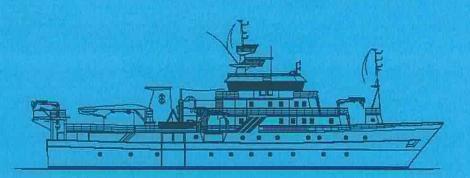
#### NORAD - FAO/UNDP PROJECT GLO 92/013

#### CRUISE REPORTS "DR. FRIDTJOF NANSEN"



### SURVEYS OF THE FISH RESOURCES OF NAMIBIA

**Cruise Report No 3/94** 

Part I Surveys of the hake stocks 19 October - 24 November 1994

#### Part II

Surveys of the pelagic stocks 26 November - 15 December 1994

Ministry of Fisheries & Marine Resources Swakopmund Republic of Namibia Institute of Marine Research Bergen Norway

The DR FRIDTJOF NANSEN RESEARCH PROGRAMME is sponsored by the Norwegian Agency for Development Cooperation (NORAD), the Food and Agriculture Organization of the United Nations (FAO), and the United Nations Development Programme (UNDP). The programme in Namibia is organized and planned under agreements between NORAD, Namibian authorities and the Institute of Marine Research, Norway. Its execution is the responsibility of the Institute of Marine Research, Bergen in cooperation with the Ministry of Fisheries & Marine Resources of Namibia.

The programme has comprised the following surveys:

Survey	1/90	25 January to 19 March 1990
n	2/90	27 May to 20 June 1990
11	3/90	11 September to 6 October 1990
IT	1/91	25 January to 23 March 1991
11	2/91	23 October to 16 December 1991
11	1/92	23 April to 21 June 1992
11	2/92	20 October to 16 December 1992
н	1/93	20 January to 19 March 1993
tt.	2/93	21 April to 25 May 1993
11	1/94	19 January to 21 February 1994*
11	2/94	26 April to 24 June 1994
11	3/94	19 October to 15 December 1994

\* First survey with the new R/V 'Dr. Fridtjof Nansen'.

## PART I

# SURVEYS OF THE HAKE STOCKS 19 October - 24 November 1994

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### **1.1 GENERAL OBJECTIVES**

Following an offer from NORAD extended through FAO and UNDP, an agreement was reached in Windhoek in January 1990 between the UNDP Resident Representative and Namibian authorities for the execution of a programme of surveys of the fish resources of the Namibian shelf with the RV 'Dr. Fridtjof Nansen'.

The main objectives were agreed as follows:

To describe the distribution, composition and abundance of the most important fish resources. Small pelagic fish, including horse mackerel, pilchard and anchovy would be investigated by the acoustic integration method combined with sampling with mid-water and bottom trawls. A swept area trawl survey programme would be used for the demersal stocks. All catches would be sampled by species, weight and numbers, including biological sampling of the commercially important stocks.

To carry out environmental studies including recording of surface temperature on a continuous basis and hydrographic sampling on a series of fixed profiles.

### 1.2 OBJECTIVES OF SURVEY 3/1994

The main objective was to continue to monitor the abundance, geographic distribution and size composition of the hake stocks within the Namibian EEZ and to describe the trends in development of the hake stocks within the programme perspective of support to rebuilding of the hake stocks since independence, in line with the national objectives set in the Government White paper of 1990. As secondary objectives, the lesser abundant, but commercial important species as monk sole and kingklip would be studied in detail as these species form a natural bycatch of a hake survey in Namibia. As part of the hake research, environment parameters where continuously recorded in order to improve knowledge on the influence of the environment on the distribution and natural mortality of the hake stocks.

The acoustic system was used to observe possible mid-water occurrence of the hakes. The survey design for the swept-area trawl programme was based on a semi-random distribution of hauls along regular transects perpendicular to the coast. The transect distance was normally around 20 nm, except in the very southern part where the distance was 30 nm due to a persistent lower density of fish observed during the previous period of the survey programme. On the slope the

stations were laid out to cover the depth ranges of the two hake species. The on-shelf stations where laid out 10 to 15 nm apart until the zero line of hake distribution were found. Biomass estimates of hake were based on post stratification by depth and density aggregations. An automatic interpolation method was also applied on the data set as a first attempt to establish alternative objective estimation methods for control of the main procedures.

#### **1.3 PARTICIPATION**

The scientific staff consisted of:

From Namibia:

Lima Maartens (19/10-7/11), Hashali Hamukuaya (8-24/11), Filimon Dausab (8-24/11), Heidrun Plarre (19/10-7/11), Hilma Asino (19/10-7/11), Malakia Shimanda and Jamy Traut (19/10-7/11), Michael Evenson (19/10-7/11), Johnny Gamathan, Siegfred Gowaseb (8-24/11), Justina Shifidi (8-24/11).

#### From Norway:

Oddgeir Alvheim, Tore Strømme (7-24/11), Guillermo Burgos, Terje Haugland, Tore Mørk and Veslemøy Eriksen (University of Bergen).

#### **1.4 NARRATIVE**

The course tracks with the positions of the fishing and hydrographic stations are shown in Figures 1 a-c.

The vessel left Cape Town on the afternoon of 19 October and steamed north for about 36 hours to the Orange River to commence the work. Trawling was mainly carried out during daylight hours except for the deeper stations on the slope that sometimes could be carried out during dark. In the Central Region CTD-stations were taken on every trawl station on the shelf in order to map the environment conditions in relation to fish distribution. Bottom sediment samples were collected with a grab to study the benthos community in the oxygen deficient waters in the central area and in a set of control stations more offshore. On 7 November the vessel called on Walvis Bay for crew change. The northern point of the survey area (off the Cunene River) was reached on 21 November, and a previously skipped transect south of Cape Frio was completed the next day. The vessel arrived in Walvis Bay on 23 November. The weather conditions were not favourable, but not bad to the extent that work had to be interrupted. The programme was completed according to the plan with what must be considered as the optimal number of days set off for the task, that is 36 days. This did however not allow any time for experimental studies. 226 bottom trawl and 116 CTD-stations were sampled.

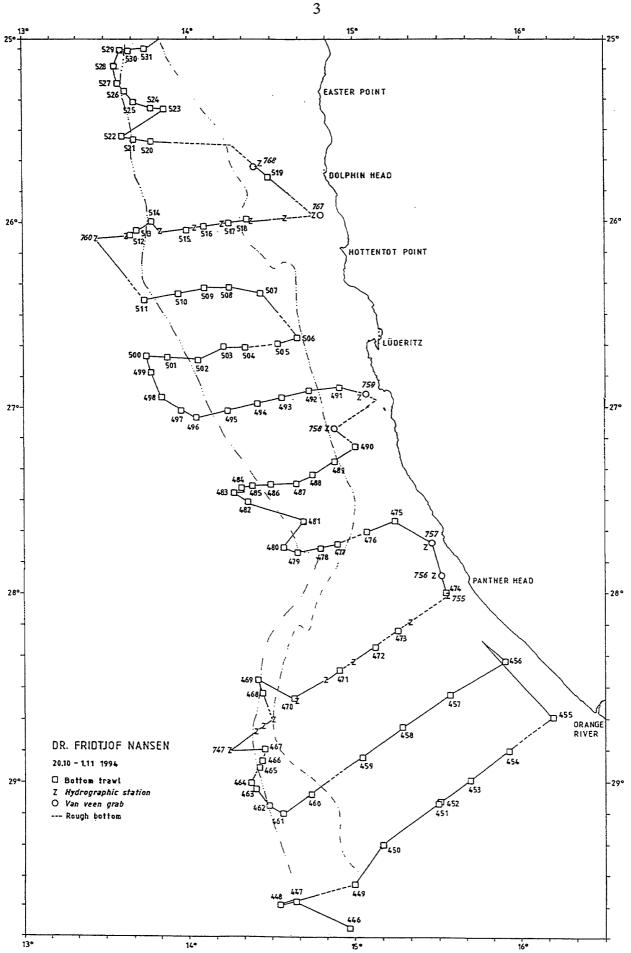


Figure 1a Southern Region (Orange River to St. Francis Bay). Course tracks, fishing stations and hydrographic stations.

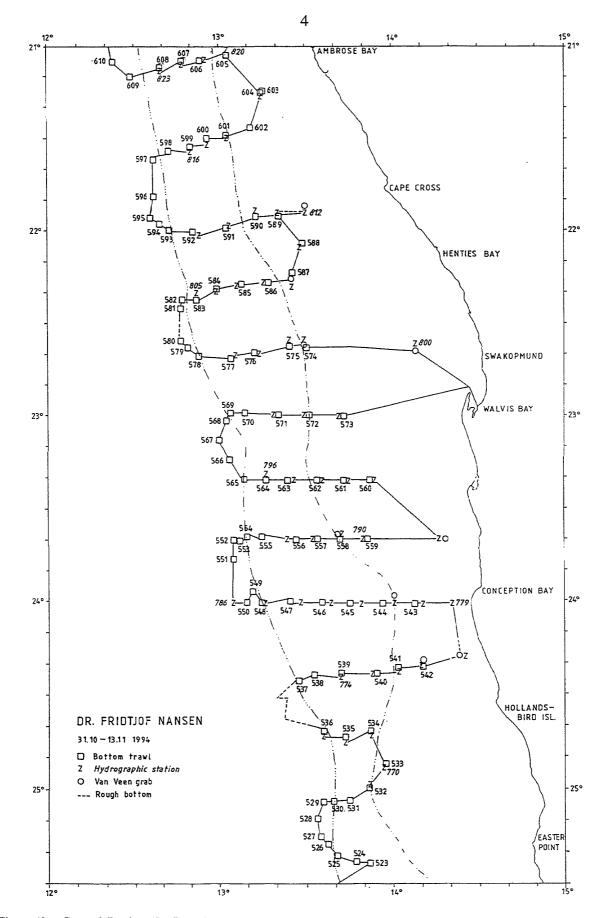


Figure 1b Central Region (St. Francis Bay to Ambrose Bay). Course tracks, fishing stations and hydrographic stations.

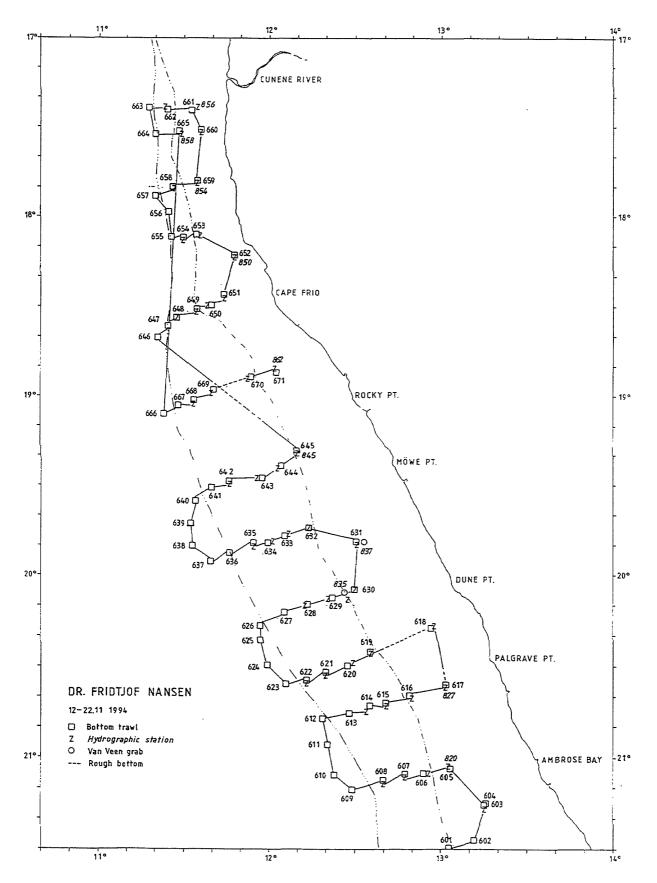


Figure 1c Northern Region (Ambrose Bay to Cunene River). Course tracks, fishing stations and hydrographic stations.

## **CHAPTER 2 HYDROGRAPHY**

Sea temperature at 5 m depth was continuously recorded along the cruise track and is shown in Figures 2a-c. Strong southern winds prevailed during most of the survey and signs of intensive upwelling are shown with one centre off Lüderitz. A second, less pronounced, upwelling cell is located with its centre off Dune Point.

Temperature, salinity and oxygen from the three standard hydrographical transects are shown in Figures 3a-c.

Bottom oxygen was recorded at all fishing stations on the shelf from Holland Bird Island and northwards (Figures 4a-b). This was done in order to investigate the effect of these parameters on the hake distribution. Low oxygen conditions defined as  $O_2 < 0.5$ ml/l characterize the shelf environment until 200 m bottom depth between Conception Bay and Cape Cross. In the previous survey (May 1994) pockets of low oxygen water covered the slope down to almost 500 m at several locations indicating a partial replacement of oxygen depleted water in the interim period.

The same oxygen maps were overlaid with the distribution maps of the Cape hake (Figures 5a-b). They show that hake commonly can sustain oxygen levels down to 0.25 ml/l.

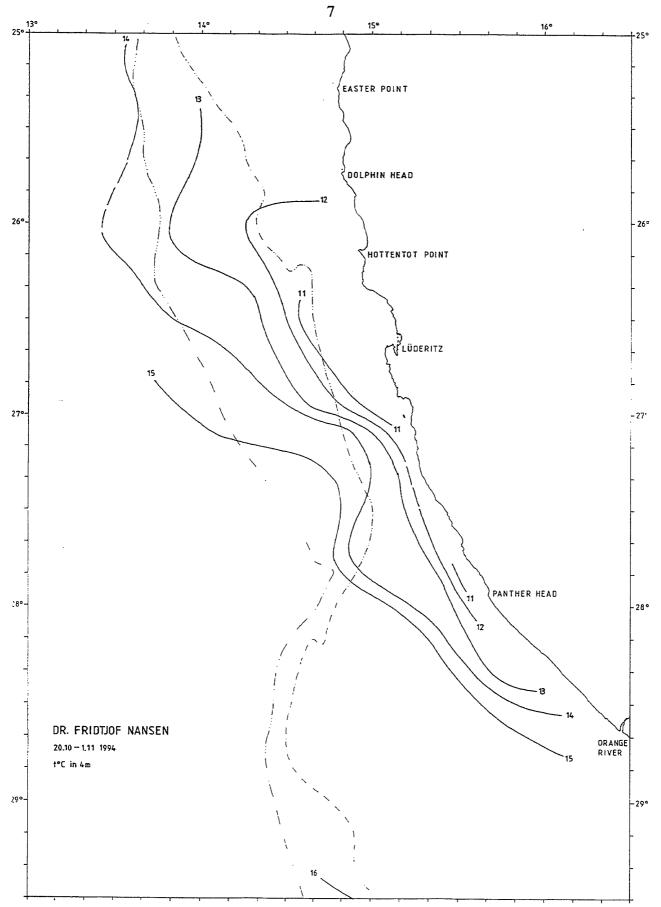


Figure 2a Orange River to St. Francis Bay. Distribution of sea temperature at 5 m depth.

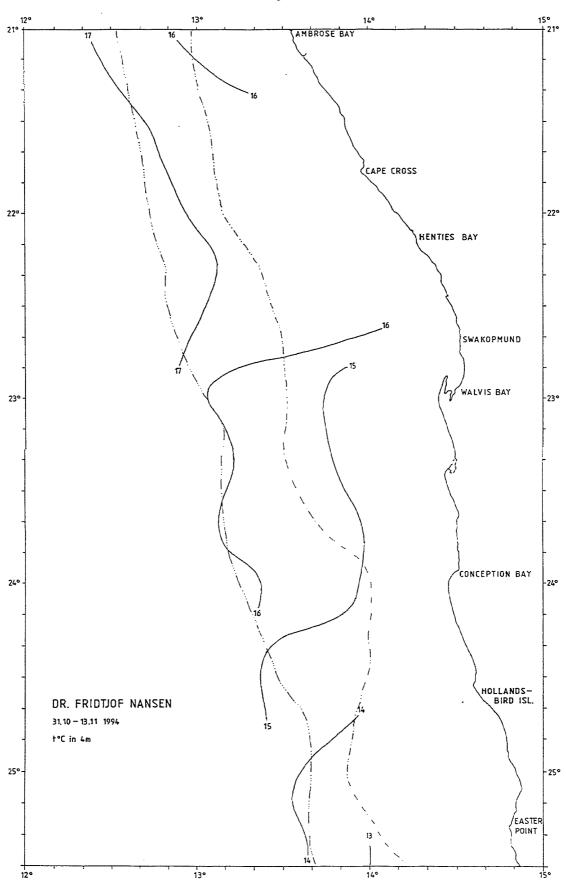


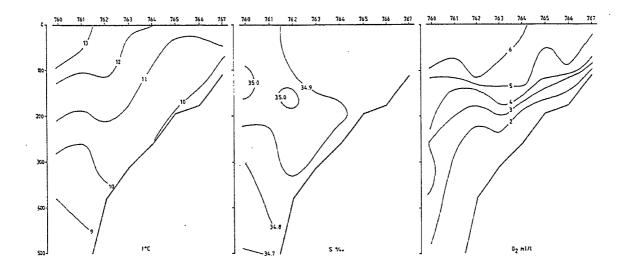
Figure 2b St. Francis Bay to Ambrose Bay. Distribution of sea temperature at 5 m depth.

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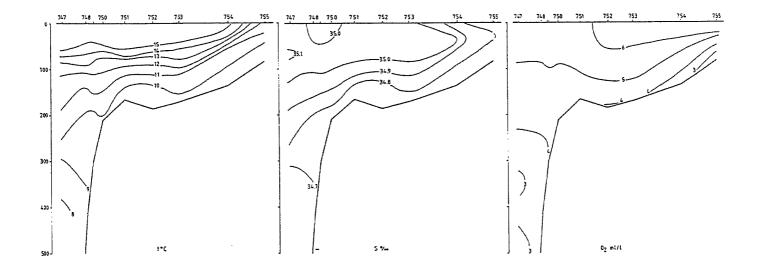
110 12 ° 13° 14° + 17° 17 CUNENE RIVER 18° -18° 15 CAPE FRID 195 ROCKY PT. 19° 1 MÖWE PT. 15 20° -20° DUNE PT. PALGRAVE PT. DR. FRIDTJOF NANSEN 12 - 22.11 1994 t°C in 4m 21° AMBROSE BAY -210 16 1 110 12 ° 13 • 140

Figure 2c Ambrose Bay to Cunene River. Distribution of sea temperature at 5 m depth.

9

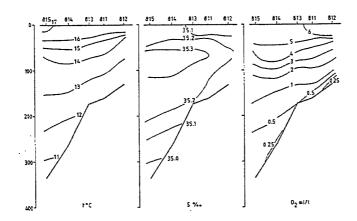


HOTTENTOT POINT 30.10 1994

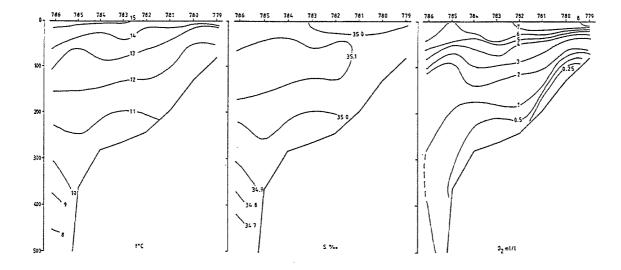


PANTHER HEAD 23-24.10 1994

Figure 3a Temperature, salinity and oxygen in the standard profiles worked.

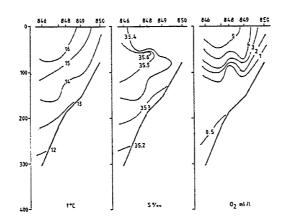


CAPE CROSS 10-11.11 1994

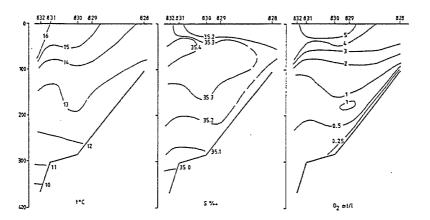


CONCEPTION BAY 3.11 1994

Figure 3b Temperature, salinity and oxygen in the standard profiles worked.



CAPE FRIO 19.11 1994



DUNE POINT 15.11 1994

Figure 3c Temperature, salinity and oxygen in the standard profiles worked.

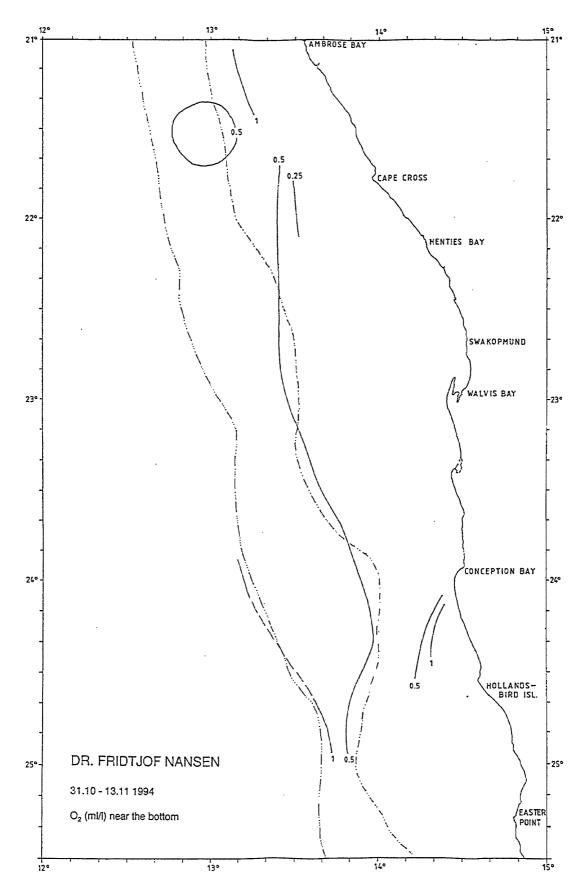


Figure 4a St. Francis Bay to Ambrose Bay. Distribution of oxygen (ml/l) near the bottom

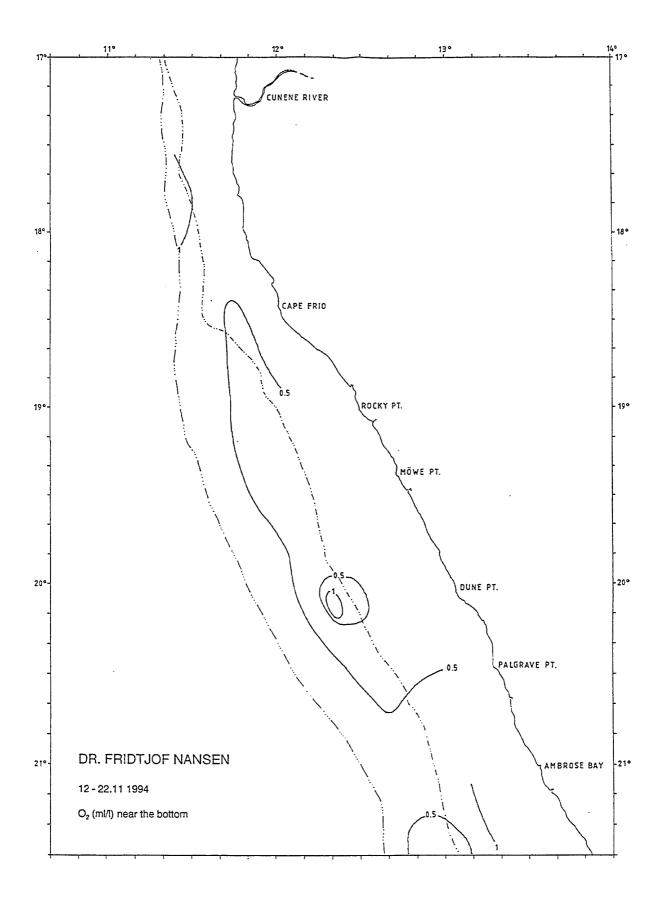


Figure 4b Ambrose Bay to Cunene River. Distribution of oxygen (ml/l) near the bottom

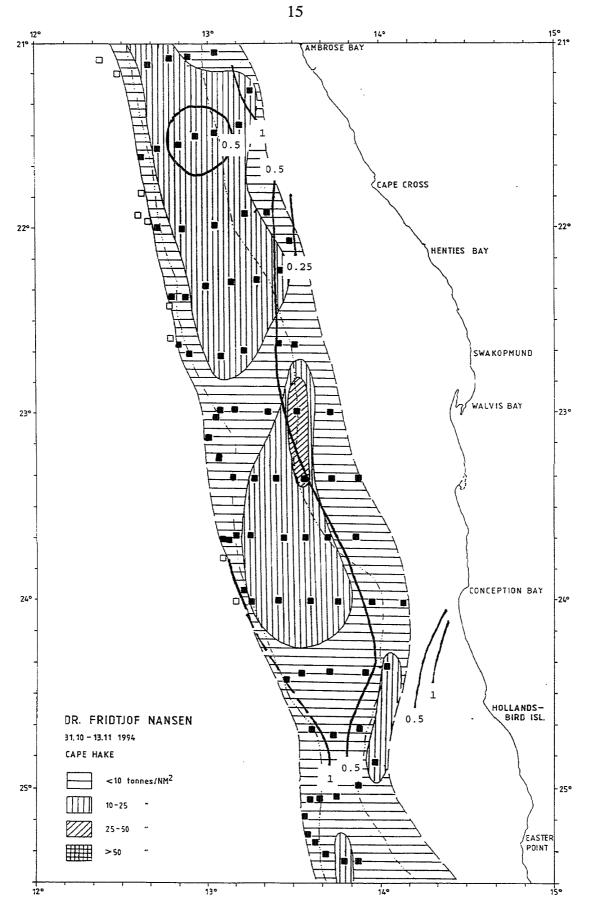


Figure 5a St. Francis Bay to Ambrose Bay. Distribution of Cape hake and oxygen (ml/l) near the bottom.

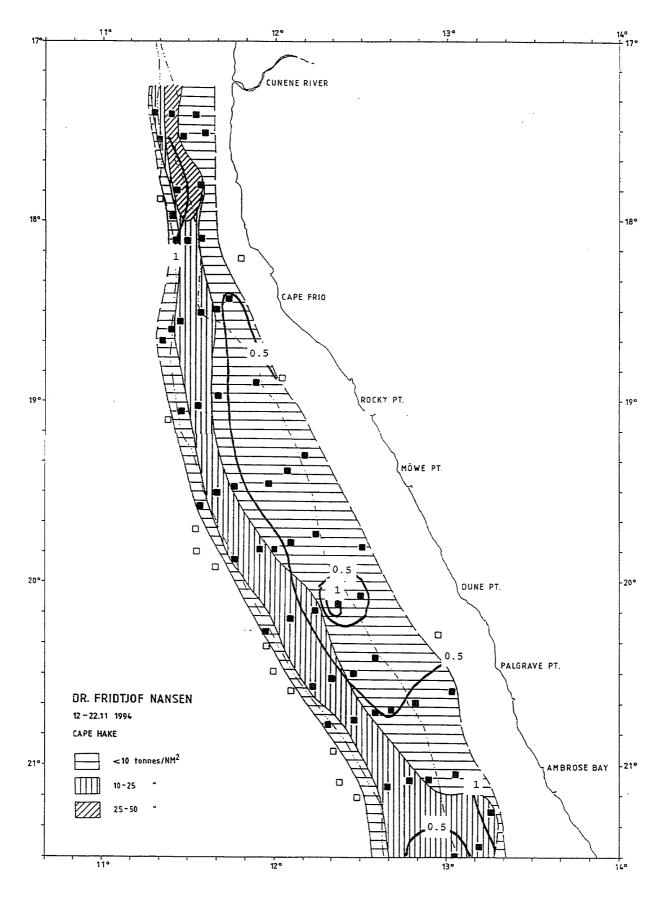


Figure 5b Ambrose Bay to Cunene River. Distribution of Cape hake and oxygen (ml/l) near the bottom.

## CHAPTER 3 RESULTS OF THE ACOUSTIC AND TRAWL SURVEY

#### 3.1 DISCUSSION OF METHODS

In the trawl survey programme all catches were sampled for composition in weight and numbers by species. The bottom trawl has a headline of 31 m (float line), a footrope of 47 m, headline height of 5-6 m and a distance between the wings during towing of about 18 m. All trawl hauls were monitored by SCANMAR trawl sensors (bottom contact, headline height and distance between the doors). This technology allows to determine with improved accuracy the actual time

the trawl is on the bottom. For conversion of catch rates to fish densities the area between the wings is assumed to be equal to the effective fishing area and the retention factor q is equal to 1. With the new vessel, starting from January 1994, a new trawl gear was introduced with smaller bobbins. This gear gives better bottom contact and higher catch rates for bottom dwelling species as monk and sole. For the hake species the new gear is assumed to have no difference in performance. The trawl doors, net, warp and wire dimensions are as with the former vessel (see Annex IV). The length of a haul over bottom, recorded as distance trawled, was measured by Doppler log tracking the bottom.

The problem of mid-water occurrence of hake and its effect on the swept area assessments has been discussed in earlier cruise reports. As in previous investigations off-bottom hake in midwater constituted only a minor problem in the south and in the central area. In

*	-	
swept area dens observations of	cy of observations wling. No. of traw ities and no. of sta hake above 5 m fr estimate (tonnes/r	l stations with tions with om bottom with
ORANGE RIVER - ST. FRANCIS BAY	DAY	NIGHT
Trawl No. stations Mean density	65 18.0	18 12.7
Acoustic obs. No. stations Mean density Average acou. corr.	25 2.9 6%	8 3.4 12%
ST. FRANCIS BAY - AMBROSE BAY		
Trawl No. stations Mean density	70 10.7	7 7.9
Acoustic obs. No. stations Mean density Average acou. corr.	21 1.9 5%	0 0%
AMBROSE BAY - CUNENE RIVER		
Trawl No. stations Mean density	51 9.8	8 7.4
Acoustic obs. No. stations Mean density Average acou. corr.	10 6.0 12%	2 2.6 9%

the north it made up an average 10% addition to the demersal biomass in the day hauls and in a more limited number of night hauls the average correction was 9% (Table 1). These corrections are much lower than those applied for the same area in survey 1/94 and are believed to be more representative (Table 1).

#### 3.2 SOUTHERN REGION, ORANGE RIVER TO ST. FRANCIS BAY

The complete record of the fishing stations is shown in Annex III. Table 2 shows the catch rates of the main commercial species standardized to kg/hour for the shelf and the slope separately. Compared with the April-May survey the mean catch rates for the hakes are about 20% lower on the shelf and almost 70% lower on the slope. Part of the decline on the slope can be associated by seasonal migration northwards for the Cape hake and southwards for the deep water hake. The mean monk catch rates have increased by almost 300% on the shelf and almost 90% on the slope and are back to the record level recorded during the survey in January. The catch rate of kingklip increased slightly on the shelf and remained at the same level as during April-May survey along the slope. The catch rates of the soles have not increased and are low as compared with the other commercial species.

ST.NO.	DEP.	Hake	Monk	Kingklip	Soles	Squid	Other
449	253	68.7	23.6	49.1		3.8	454.3
450	163	158.6	4.0			2.2	198.1
452	178	51.8	5.6	0.9		9.1	84.5
453	177	282.8	3.3	2.6		22.3	285.5
454	150	585.7	16.6	0.9		8.4	77.2
455	93	2708.1		24.8	2.0		146.4
456	100	2006.4					171.6
457	159	44.6	0.5	1.7		0.4	56.2
458	163	157.8				9.2	285.8
459	168	136.5	8.9			6.2	132.0
460	222	367.7	35.6	14.7		6.7	548.2
470	163	61.9				1.9	1677.9
471	177	100.8				8.2	118.0
472	173	96.8	0.8			3.5	478.6
474	83	204.0				10.5	35.6
475	126	414.8		45.8		7.7	9.6
476	163	263.0				2.9	13.1
489	216	767.0	4.5	3.5	2.8	8.8	136.1
490	159	324.0		9.8			6.6
491	159	3187.4					2.1
492	222	107.0	6.5	1.8	0.5	1.5	51.6
506	217	161.9	4.7	31.3	8.1	3.2	200.8
517	245	140.2	142.6		20.6		326.9
518	197	1171.0	5.8		0.8		34.0
519	163	85.8			1.2		28.6
MEAN		546.2	10.5	7.5	1.4	4.7	222.4

Table 2 Southern Region. Catch rates in kg/hour by main groups by swept area bottom trawl for the shelf and the slope.

SHELF 50-259 m

SLOPE 260-700 m

51.NO.	DEP.	Hake	Monk	Kingklip	Soles	Squid	Other
446	378	434.5	12.3	3.2		5.1	174.6
447	420	66.1	27.3	5.9		1.4	44.2
448	522	66.1 96.9 1448.9 1828.2 385.5	34.1			1.3	142.6
461	308	1448.9	9.4			78.4	1407.5
462	390	1828.2		27.5		8.2	1174.6
463	472	385.5	45.0	79.0		40.6	139.9
464	560			5.3		3.2	160.3
465	441	843.6	109.8 2.1	48.6		1.8	358.4
466	351	332.5	2 1	10.0		9.1	156.0
467	294	275.6	73			0.9	694.6
468	368	121.9	10 1	78.6		6.0	609.6
469	453	301.8	2.1 7.3 19.1 8.7	8.2		20.0	
		301.0		8.2 38.7		28.0	59.9
477	293	129.6		38.7		2.3	44.0
478	367	962.9		190.7		16.2	35.3
479	419	633.5	8.7	30.3		13.0	97.4
480	500	102.1		9.1		40.8	107.1
482	553	279.2					119.8
483	631	246.2				17.6	392.9
484		137.7	13.2	5.8		21.6	70.4
485		1176.8	10.9	58.0		18.0	217.6
486	380	1558.4		9.2		5.7	126.2
487	334	1502.8		14.2		3.1	339.5
488	292	737.4				47.3	4585.1
493	286	737.4 280.7	19.7	14.0	5.4	2.9	89.6
494	339	345.9	18.3 18.4	34.3 15.7			212.9
495	386	1034 7	18.4	15.7		30.1	238.6
496	447	489.9 1616.0 240.9	18.4 7.5 48.7	1.9		65.0	126.4
497	497	1616.0	48.7	4.8			157.6
498	580	240.9		3.5		4.0	273.7
499	525	011 2				7.9	001 0
500	477	1057.9	17.0			3.5	231.8 260.3
501			73 5	6.8		27.0	185.6
502	398	1272.9	16.2	37.7		39.4	233.5
503	367	071 0	17.4	119.7		16.4	184.6
504	336	68.8	13.4 102.0	85.6		10.4	230.6
507	296	281.5	80.0	27.7	4.2		84.1
508	318	872.6	81.1	126.5	4.2	9.5	141.4
509	346		54.7	46.6		9.5	168.4
510	383	42 0	24.7	40.0		8.7	
511	419	63.0 66.5	20.0	31.7 25.2		8./	142.2
513	419	818.4	21.1	25.2		0.0	193.5
513		010.4	54.7 38.8 21.1 63.4 31.7 38.7 150.7 54.9 493.5 5.6 40.0	4.5 35.1 13.9 2.2		0.8	396.3
	394	40.9	31.7	35.1		23.6	363.7
515	323	106.8	38.7	13.9	1.3	0.8	314.5
516	284	244.3	150.7	2.2	31.4		94.8
520	316	350.0	54.9	14.8		0.6	320.2
521	394	95.6	493.5	58.5			1185.0
523	262	322.1	5.6			2.4	503.9
524	298	284.5	40.0	2.2			185.8
		140.5	45.9	1.9		6.5	161.6
526	458	199.1	86.6	6.8			340.1
527	558	240.5	23.1	4.8			377.6
528	606	293.6					696.0
	502	845.5	15.6			5.3	461.6
530	411	82.9	152.7	18.5		2.2	567.7
531	274	36.6	7.9	_ • • •			23.8
			38.5	24.7	0.8		371.0

The depth distribution of the two hake species based on the catch rates converted to densities are shown in Table 3. Except for the young Cape hake in the 75-250 m zone, all densities are lower than in the previous survey for both species. The reduction is most drastic in the 250-350 zone, where the estimated density of Cape hake is down to 4.8 tonnes/nm<sup>2</sup> from 60 tonnes/nm<sup>2</sup> in April-May.

Table 3       Southern Region. Depth distribution of the two hake spacies. Mean densities in tonnes/nm <sup>2</sup> and mean catch rates kg/hour.										
	75-250 m	75-250 m 250-350 m 350-450 m 450-550 m 550-650 m								
Cape hake Density Catch rate	14.4 430	4.8 150	1.1 30	0.5 15	0.1 2					
Deep w. hake Density Catch rate	0.2 5	7.5 230	18.9 560	20.2 610	6.8 200					
No. of hauls	24	19	21	11	6					

The distribution of the two hake species based on plots of densities by fishing stations is shown in Figures 6 and 7. These include the acoustic estimates of fish present above the 5 m bottom channel during trawling as discussed above. The distribution pattern has changed drastically since the previous survey. The in the past regularly observed high density areas off Lüderitz have now been replaced by a almost uniform low density picture, with some denser patches of young hake close to the shore.

Biomass estimates based on a post-stratification of the densities as shown in Figure 6 and 7, give 150 000 tonnes for the Cape and 120 000 tonnes for the deep water hake (Table 4), a decline of 185 000 for the two species combined since the previous survey. As already mentioned at least part of this decline can be explained by seasonal migration. The 95% confidence limits give a range of  $\pm 48\%$  on the estimate of the Cape hake and  $\pm 15\%$  of the deep water hake.

Table 4 Southern Region. Estimates of total       biomass by surveys, 1 000 tonnes.							
Year/Survey	Cape hake	Deep water hake					
90/1	130	22					
90/3	130	25					
91/1	113	31					
91/2	80	82					
92/1	200	145					
92/2	160	125					
93/1	210	150					
93/2	180	115					
94/1	200	160					
94/2	240	215					
94/4	150	121					

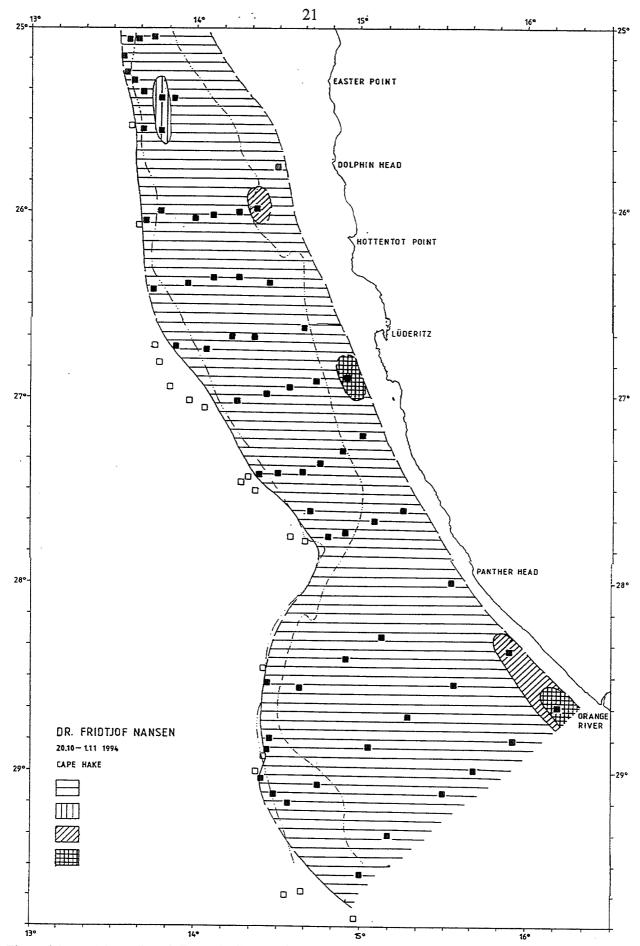


Figure 6 Orange River to Francis Bay. Distribution of Cape hake. Empty squares indicate stations where Cape hake was not caught.

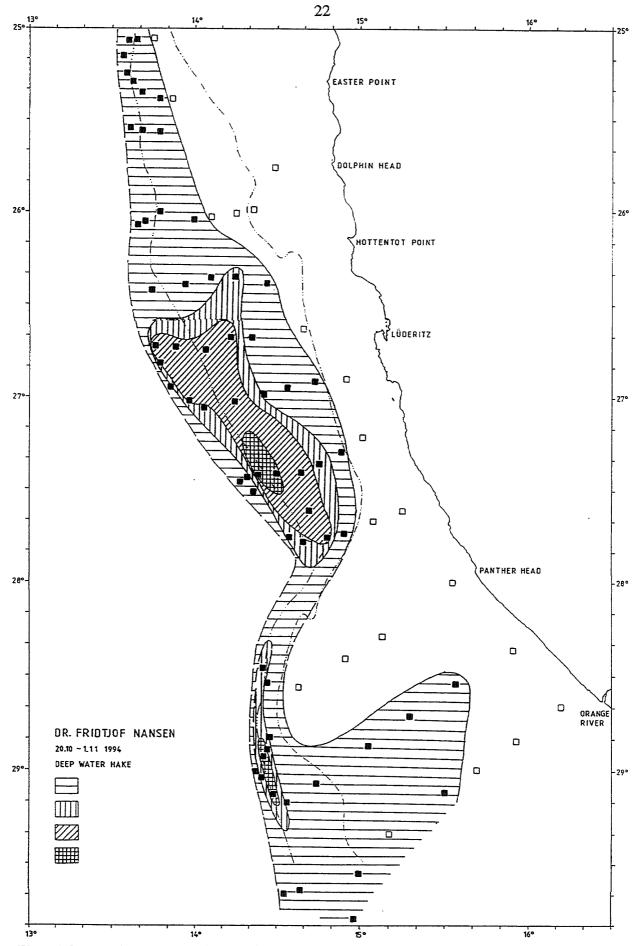


Figure 7 Orange River to St. Francis Bay. Distribution of deep water hake. Empty squares indicate stations where deep water hake was not caught.

The size compositions of the Cape hake from pooled samples weighted by catch rates are shown for each region by depth ranges in Annex I. There is as usual an increase of size with depth. A length frequency analysis to identify cohorts in the stock, was performed in the same way as during the three previous surveys. The results are shown in Table 5.

Table 5 Southern Region. Cape hake. Estimated age-cohorts from optimized length distributions.							
Year class	Mean length	Sigma	Fraction of all fish	Population million N	Biomass 1 000 t		
1993 1992 older	21.11 30.0	2.5 3.2	0.925 0.057 0.018	1727 115 18	95 25 27		

The dominating cohort is the 1993 year-class which is estimated to 93% of the total number of fish. The fishable part of the Cape hake in the region constitutes 37 mill. fish with a biomass of 35 000 tonnes. Since the previous survey the fishable biomass in the Southern Region has decreased with 103 mill. fish and about 95 000 tonnes.

The size composition of the deep water hake is shown in Annex I. Results from a length frequency analysis on the deep water hake is shown in Table 6. The fishable part of the stock in the region is estimated to about 120 mill. fish with a biomass of 60 000 tonnes, a reduction of 150 mill. fish with a biomass of about 100 000 tonnes.

		egion. Deer ngth distribu		Estimated age-	cohorts from
Year class	Mean length	Sigma	Fraction of all fish	Population million N	Biomass 1 000 t
1993 1992 1991 older	19.2 28.3 41.5	2.2 4.2 3.2	0.42 0.43 0.13 0.02	303 310 96 13	14 49 45 12

#### 3.3 CENTRAL REGION, ST. FRANCIS BAY TO AMBROSE BAY

Table 7 shows the catch composition for the shelf and the slope by main groups. The mean catch rates for hakes on the shelf have decreased by 33% since April-May survey this year, while the catch rates on the slope have decreased by about 60%. The on-shelf catches is mainly represented by young fish, so called 'non-fishable' biomass. For monk, the catch rates in the more shallow depth range have increased slightly but are still at a low level (2.6 kg/hour), while the rates in the deeper waters are down by 14% compared to April-May survey and are now 32 kg/hour.

ST.NO.	DEP.	Hakes	Monk	Kingklip	Soles	Squid	Other
532	197	125.1			1.0		37.2
533	164	1039.6					146.7
534	230	71.4				2.0	332.4
540	251	181.4	12.3		12.3		1367.0
541	156	814.8					23.5
543	145	8.6					
544	221	102.2					26.0
545	249	590.4	12.4		21.4	1.7	44.3
556	254	311.4	5.2			4.8	1416.6
557	225	526.8	4.0			5.0	621.6
558	196	518.0					628.3
559	175	20.0					
560	156	1.3					0.1
561	153	3.8				0.1	3.4
562	181	1078.4			2.6		71.7
572	213	1353.9					61.2
573	144	54.9					14.0
574	188	282.0					10.0
575	253	193.3				1.7	137.4
585	243	231.8	15.0		2.1		7008.0
587	169	764.0					21.6
588	154	60.9					31.5
589	159	205.3					36.0
590	174	494.1			0.3	0.6	104.1
601	220	464.5					3043.2
602	139	769.6	25.0		1.6	83.8	1936.4
603	120	401.2					1914.3
605	129	85.6					759.7
MEAN		384.1	2.6		1.5	3.6	707.0

Table 7 Central Region. Catch rates by main groups in swept area bottom trawl hauls, kg/hour.

SHELF 100-259 m

SLOPE 26	0-7	00	m
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ST.NO.	DEP.	Hakes	Monk	Kingklip	Soles	Squid	Other
535	352				44.6		543.4
536	411	111.0	34.5	19.8		7.4	283.5
537	365	116.1	241.0 34.6 77.9	9.6			392.0
538	337	36.8	80.5 12.8	10.8			365.8
539	324	93.0 437.8	12.8				102.6
546	268	437.8	22.9			0.6	86.3
547	285	345.5	26.5			9 9	293.7
548	365	345.5 836.1 109.9	7.8	3.2		1.7 15.6 23.9	601.2
549	471	836.1 109.9 309.8 227.3	36 9	9.9		15.6	788.3
550	593	309.8	50.5			23 9	365.0
551	650	202.0	2.6			14.4	610.8
552	551	440 7	1.7			11.8	536.2
	101	440./					
553	480	149.8	11.9			0.8	444.0
554	402	190.8	67.5			3.0	479.5
555	327	149.8 190.8 757.4 564.2 347.2	33.6			11.9	451.8
563	272	564.2	7.2 32.2 60.9		1.8	_	65.8
564	350	347.2	32.2	22.4		7.3	
565	408	347.2 230.6	60.9	10.9			736.1
566						12.2	237.0
	590	167.2 300.6 163.6 144.3 68.7 117.3 356.0 1319.9	5.8 14.0			6.7	
568	447	163.6	14.0 21.0 24.8				400.3
569	380	144.3	21.0			18.5	608.2
570	312	68.7	24.8	1.00		7.2	319.4
571	338	117.3	22.2			8.5	126.9
576	297	356.0	14.1		1.7	0.8	263.4
577	311	1319.9	49.8				78.8
578	221	505.7	43.5	25.6			361.0
579	508	170.0 170.2				19.1	964.2
	608	170.2	18.1			31.3	1049.8
581	529	73.6	22.2				477.9
	444	73.6 107.5 377.3	$   \begin{array}{r}     18.1 \\     22.2 \\     6.4 \\   \end{array} $			16.2	1978.6
583	362	377.3	56.1	3.2		16.2 15.4	301.3
584	280	670.5	10.6				3583.8
591	280	506.6				2.0	3034.0
592	334	670.5 506.6 522.5	64.4	0.8	21.4	10.4	244.9
593	428	155.1	47.6	0.0	44.7	20.3	1750.6
	525	522.5 155.1 266.8 145.4 132.4 338.2 345.6				34.6	1019.4
595	628	145 4	10.0 24.6 2.3 72.0 35.6 22.1 2.7 0.3			30.4	1120.1
596	574	132 4	27.0			50.4	541.6
597	474	338 3	72 0				778.4
598	359	345.6	72.0			3.5	179.4
599	306	345.6 181.6 197.2	22.0		1.6	5.5	110.0
600	281	107 0	22.1		τ.0		507.2
606	273	171.2 67 0	4.7		1 0		216.9
	325	201.0	31.8		7.3	2.4	
	323	202.9	31.8		2.2	2.4	273.3
	368	283.0	50.2				78.6
	497	365.5	91.4				638.5
610	589 	197.2 67.8 282.9 283.0 365.5 145.8	15.2			5.3	746.4
<b>IEAN</b>		291.9	32.0	2.4	1.6	6.9	619.4

The density index by depth ranges of the two hake species is shown in Table 8. The density for two hake stocks are considerably lower at all depth ranges compared to those found in the previous survey. The decline is most striking in the 250-350 m zone which usually is the main zone for the adult hake. Based on the season one should expect an increase in this area as fish migrate in from the Southern Region, while instead the density has decreased from  $26.2 \text{ tonnes/nm}^2$  to  $10.6 \text{ tonnes/nm}^2$ .

Table 8 Central Region. Depth distribution of the two hake species. Mean densities in tonnes/nm <sup>2</sup> and mean catch rates kg/hour.						
	100-250 m	250-350 m	350-450 m	450-550 m	550-650 m	
Cape hake Density Catch rate	10.6 320	10.6 320	5.6 170	0.6 15	0.3 10	
Deep w. hake Density Catch rate		0.4 1	2.6 75	6.2 185	7.5 220	
No. of hauls	25	21	14	8	8	

The biomass estimate of Cape hake for the Central Region based on post stratification is 112 000 tonnes (Table 9). This represents a further reduction following a pattern through all surveys since early 1993. The standing stock in the Central Region is now estimated to 112 000 tonnes, the lowest figure recorded in the time series obtained from the "Dr. Fridtjof Nansen" surveys. The estimate on the deep water hake is 30 thousand tonnes, an almost 50% reduction, but not so critical in absolute terms. The 95% confidence limits on the estimates are  $\pm 13\%$  on the Cape hake and  $\pm 32\%$  on the deep water hake.

Table 9 Central Region. Estimates of total biomass by surveys, 1 000 tonnes.					
Year/Survey	Cape hake	Deep water hake			
90/1	180	4			
90/3	219	6			
91/1	150	6			
91/2	302	13			
92/1	<b>26</b> 1	15			
92/2	542	15			
93/1	280	12			
93/2	280	20			
94/1	225	30			
94/2	160	30			
94/4	112	16			

Figure 8 shows the distribution of Cape hake over this region. Compared with previous surveys one will note that the high density aggregations defined as clusters of more than 25 tonnes/nm<sup>2</sup> has been reduced from the traditional thick and longitudinal bands between 200 and 500 m to now a small cluster of young fish off Walvis Bay. The change is very dramatic.

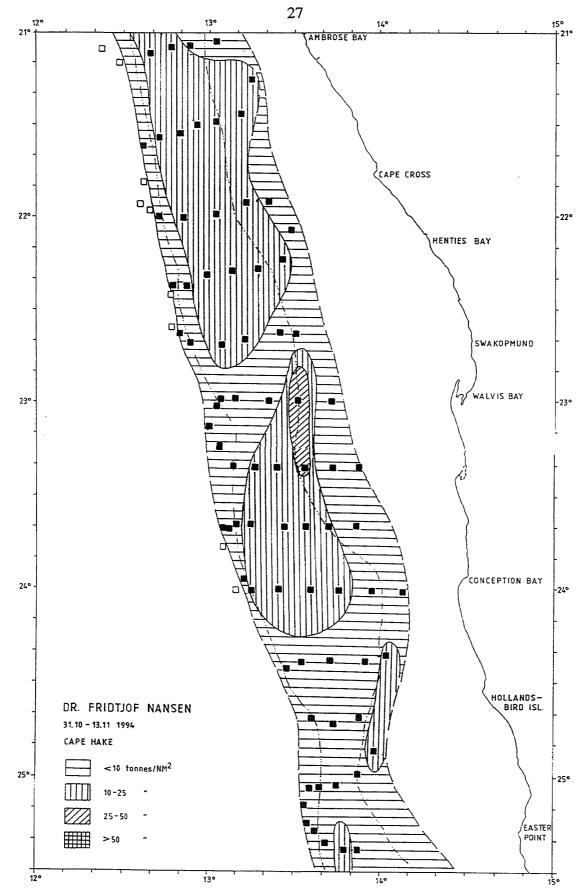


Figure 8 St. Francis Bay to Ambrose Bay. Distribution of Cape hake. Empty squares indicate stations where Cape hake was not caught.

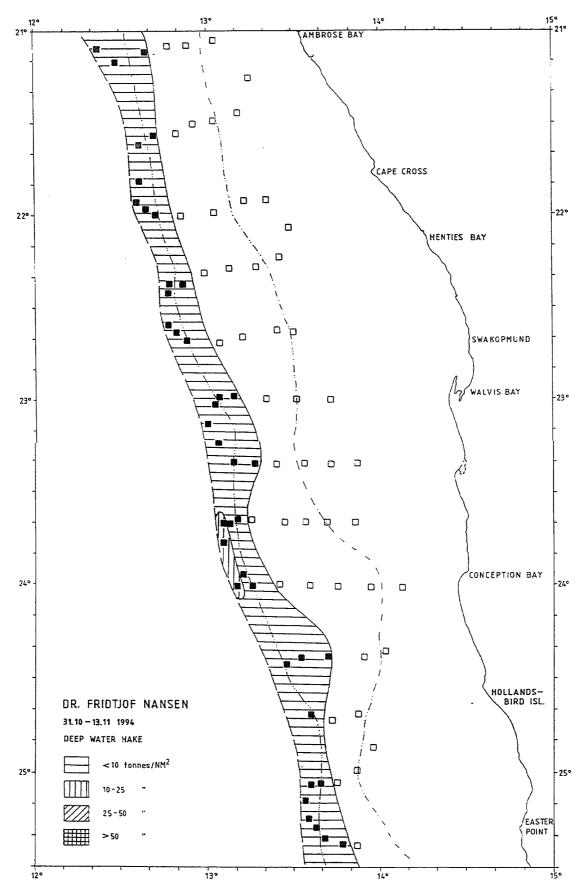


Figure 9 St. Francis Bay to Ambrose Bay. Distribution of deep water hake. Empty squares indicate stations where Cape hake was not caught.

Table 10         Central Region. Cape hake. Estimated age-cohorts from optimized length distributions.						
Year class	Mean length	Sigma	Fraction of all fish	Population million N	Biomass 1 000 t	
1993 1992? 1991 older	19.3 24.6 32.0	2.5 3.2 3.5	0.61 0.23 0.08 0.08	490 192 65 64	24 19 14 55	

The results from a cohort analysis on the regional length distribution are shown in Table 10.

The newly demersally settled 1993 year-class dominates the fish population with 83% of the number of fish, followed by a more poorly identified 1992 year-class with 23%. The fishable part of the population is 73 mill. fish and 58 000 tonnes, an increase in number (+6 mill.) but decrease in biomass (-8 000 tonnes) to the previous survey. The non-fishable biomass is estimated to 738 mill. fish with a biomass of 54 000 tonnes, which is only about one third of what was estimated in January this year and brings the recruitment potential to the fishable biomass down considerably below the normal situation in the later years.

The more narrow distribution of deep water hake is presented in Figure 9. Results from the length frequency analysis for the deep water hake is shown in Table 11. In this population the non-fishable biomass makes up 70% of the number of fish while the remaining 30% are fish of size bigger than 35 cm and are estimated to 16 mill. fish and 10 000 tonnes, 16 000 tonnes less than in the previous survey.

Table 11 Central Region. Deep water hake. Estimated age-cohorts from optimized length distributions.						
Year class	Mean length	Sigma	Fraction of all fish	Population million N	Biomass 1 000 t	
1993 1992 older	28.8 42.0	3.2 4.5	0.7 0.23 0.07	38 13 4	6 6 4	

#### 3.4 NORTHERN REGION, AMBROSE BAY TO CUNENE RIVER

Table 12 shows the catch rates by main groups for the shelf and slope separately. The mean rate for hakes has decreased by approximately 43% in the shallower zone and in the deeper zone the rate has dropped 64% compared to survey in May. The catch rates for monk in the slope is about 22% lower than in previous survey, but the difference is not significant in absolute terms.

ST.NO.	DEP.	Hakes	Monk	Dentex	Horse mck.	Squid	Other
616	168	161.4	7.9	6.2	3309.4		145.1
619 629 630 631	250 233 156 130	46.8 196.7 191.1 9.0	3.4 10.5	9.0	7.8 84.3 465.2 47.1 2.4 3.3 7.8 454.9 215.0 1002.5 1325.0 3316.0 153.7 415.3 1801.8 681.6 519.5 7.7 2800.0 3838.7 4805.6	2.7	12.5 78.4 5.5 8.0
632 644 645 649 650	221 257 201 215 181	34.8 168.4 88.4 575.8 295.4	5.0	1.5 220.2 135 0	$3.3 \\ 7.8 \\ 454.9 \\ 215.0 \\ 1002 5$	3.1	20.1 3.7 21.2 266.8 281 1
651 652 653 658	139 68 206 237	120.1 110.2 1210 8	9.4	3621.7 7.4 306.0 285.4	1325.0 3316.0 153.7 415.3	2.0	62.0 218.0 1516.4 1895.4
659 660 661 662	162 114 143 257	1071.2 67.6 211.5 1128.3	4.0	1821.6 679.2 1047.2 224.4	1801.8 681.6 519.5 7.7	5.8	447.5 11.5 139.3 1246 6
665 670 671	176 225 126	241.4 90.6		856.0	2800.0 3838.7 4805.6	18.0	842.0 72.4
		202.9	2.0	400.9	1098.5	2.9	317.3
LOPE	260-65	0 m					
ST.NO	DEP.	Hakes	Monk	Dentex	Horse mck.	Squid	Other
611 612 613 614 615 620 621 622	539 437 325 318 296 290 301 367	160.689.6698.2134.636.3220.1644.3439.2	55.4 45.4 32.2 2.6 0.7 21.6 9.2	152.1 147.2	Horse mck. 81.1 916.5 88.9 74.0 4945.66 2.8 52.7 39.2 15.6 12.4 0.5	5.2 2.2 15.6	632.2 782.1 224.1 52.0 19.2 26.1 728.4 346.2
623 624 625 626 627 628	501 601 495 450 312 267	143.1 134.6 68.6 121.0 721.8 361.2	16.7 24.2 25.6 45.2 43.0 17.2	144.0 56.3	74.0 4945.6	1.2 10.4	870.2 253.7 622.2 754.5 321.2 284.3
634 635 636 637 638 639	323 352 406 547 609 545	203.6 511.0 761.7 87.1 356.4 162.9	2.3 35.7 24.9 13.1 17.5 62.1	104.0 332.4	52.7 39.2	43.7 17.6 24.4 23.7	48.1 419.4 800.8 1176.2 484.9 603.2
641 642 643 646	475 369 334 296 559	419.2 204.3 153.9 373.1	113.0 10.5 47.3	20.8 151.5 43.0	15.6 12.4	5.6 7.2 19.0	940.0 1179.2 519.2 6.3 1016.3
647 648 654 655 656	449 315 295 473 321	253.7 1518.1 264.2 138.3 204.0	115.9	5.2 25.7	0.5		1078.3 306.8 471.2 1611.0 492.8
657 663 664 666	580 432 443 550	204.0 180.0 518.7 387.2 435.6	56.9 115.6 44.6 80.9 54.9		22.4 17.1		492.8 2981.4 1162.7 2630.7 879.2
667 668 669	352 272 291	34.5 429.9 247.7	23.5 27.6 4.2	3.4 197.9 104.4	105.6 261.0	6.3 18.2 8.6	247.6 451.6 199.5
005	<b>ـ</b> ۲	44/./	4.4	4.4	U.LU2	0.0	722.2

Table 12 Northern Region. Catch rates by main groups in swept area bottom

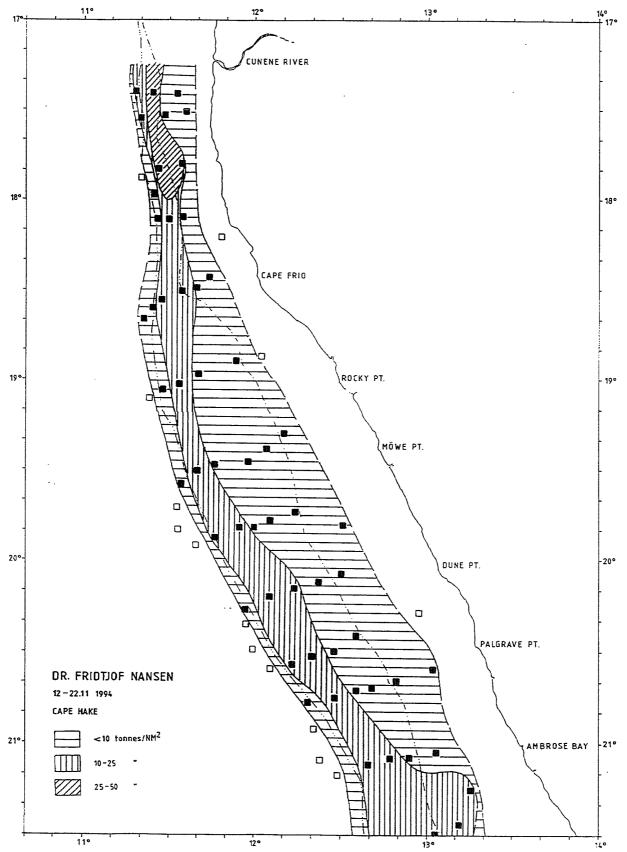


Figure 10 Ambrose Bay to Cunene River. Distribution of Cape hake. Empty squares indicate stations where Cape hake was not caught.

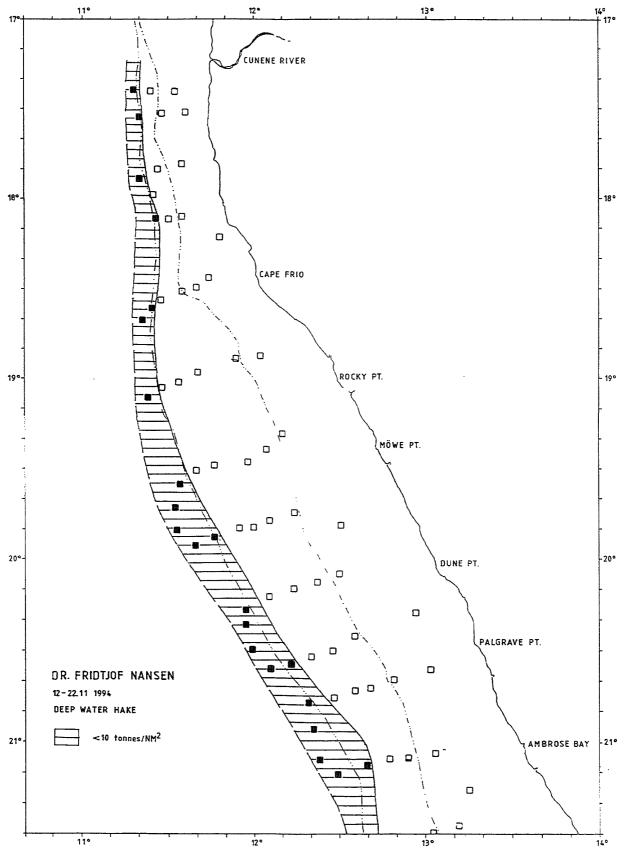


Figure 11 Ambrose Bay to Cunene River. Distribution of deep water hake. Empty squares indicate stations where deep water hake was not caught.

Figure 10 shows the distribution of Cape hake in the Northern Region by levels of density calculated from the catch rates and with correction for fish in mid-water. As for the Central Region the pattern of distribution has drastically changed compared to that found during the two previous surveys. Density aggregations beyond 25 tonnes/nm<sup>2</sup> is now only found north of Cape Frio while such aggregation previously was the common characteristic all along the slope between 250 and 500 m bottom depth.

The depth distribution of the two hake species based on catch rates converted to densities are shown in Table 13. For Cape hake there was a decrease in densities beyond 50% in all depth ranges compared to survey 94/2, except for the narrow zone 550-650 m which however does not contain significant abundance of Cape hake. The densities of deep water hake decreased in all depth zones but not as significant as for the Cape hake.

Table 13 Northern Region. Depth distribution of the two hake species. Mean densities in tonnes/nm <sup>2</sup> and mean catch rates kg/hour.									
	100-250 m	250-350 m	350-450 m	450-550 m	550-650 m				
Cape hake Density Catch rate	7.1 210	13.2 400	9.1 270	0.5 16	3.1 90				
Deep w. hake Density Catch rate			0.8 23	4.3 130	4.9 145				
No. of hauls	20	18	10	8	4				

Biomass estimates give a total of 87 000 tonnes of Cape hake and 9 000 tonnes of deep water hake (Table 14). For the Cape hake this represents a decrease of 43 000 tonnes since the last survey in May 1994. However, the most recent estimate is close to that found last February. The deep water hake shows a decline from 14 to 9 thousand tonnes. The 95% confidence limits on the estimates are  $\pm 26\%$  on the Cape hake and  $\pm 53\%$  on the deep water hake.

Table 14 Northern Region. Estimates of total biomass by surveys, 1 000 tonnes.								
Year/Survey	Cape hake	Deep water hake						
90/1	180							
90/3	105 *							
91/1	200							
91/2	140	2						
92/1	185	4						
92/2	190	8						
93/1	150	4						
93/2	110	6						
94/1	90	20						
94/2	130	14						
94/4	87	9						

\* + hake in the mid-water

The size compositions of the two hake species are shown in Annex I. A cohort analysis was attempted on the pooled length distributions but it was not possible to define consistent cohorts for the Cape hake. The explanation is probably that the migration of young fish towards the outskirts of the distribution area is a size selective process and the fish at these locations therefore do not form complete cohorts. Cohort analysis on the complete stock should form a more consistent picture as shown in Table 15. The so called 'fishable biomass' in the Northern Region, representing fish of 36 cm and larger, constitutes 98 mill. fish with a biomass of 63 000 tonnes. This is a reduction of 39 000 tonnes (38%) since the previous survey.

Table 15       All Namibia. Cape hake. Estimated age-cohorts. Estimated age-cohorts from optimized length distributions.								
Year class	Mean length	Sigma	Fraction of all fish	Population million N	Biomass 1 000 t			
1993 1992 older	20.0 28.0	2.5 3.0	0.78 0.10 0.12	2 410 310 280	130 46 174			

A similar analysis on the bigger sized deep water hake in the region is shown in Table 16. The estimated fishable biomass of deep water hake is 8 000 tonnes.

Table 16       Northern Region. Deep water hake. Estimated age-cohorts. Estimated age-cohorts from optimized length distributions.								
YearMeanSigmaFraction of all fishPopulationBiomass nillion Nclasslengthall fishmillion N1 000 t								
1992 1991 1990+	31.3 43.2	3.3 3.5	0.43 0.41 0.16	9 8 3	2 4 3			

#### 3.5 PILOT SURVEY ON HORSE MACKEREL

In the course of the work with the acoustic records to assess the amount of pelagic hake in the survey area, look-like recordings of horse mackerel were also mapped. Mesopelagic fish can sometimes, when judged from the echo-traces, be confused with horse mackerel and proper identification by trawling is sometimes necessary to properly distinguish the two species. As identification of acoustic targets did not take place during the survey, the maps are only indicative and is not an attempt to assess the abundance of the species. The maps, Figure 12 and 13, are only to serve as a pilot survey input for the following pelagic survey in order to optimize the survey effort according to expected densities of horse mackerel.

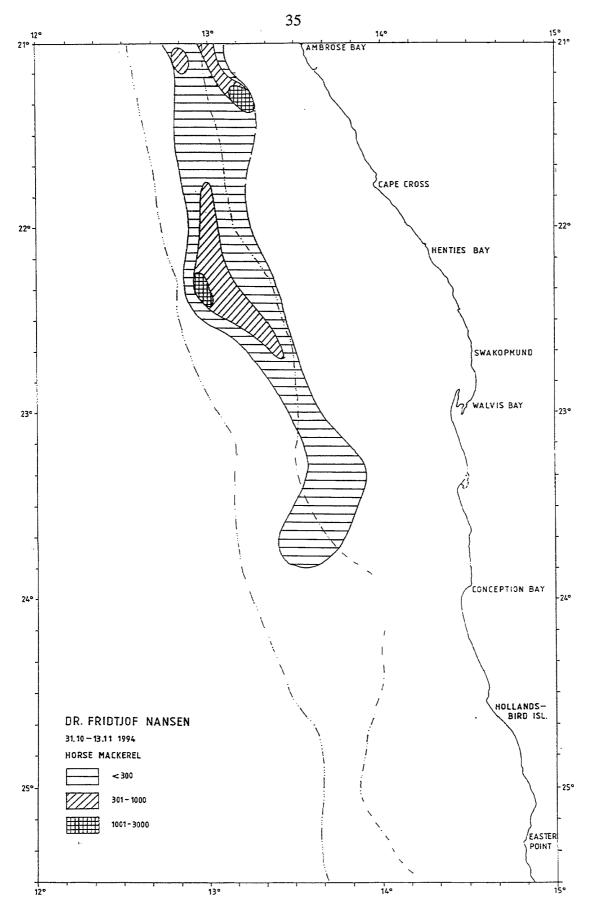


Figure 12 Distribution of horse mackerel, Easter Point to Ambrose Bay.

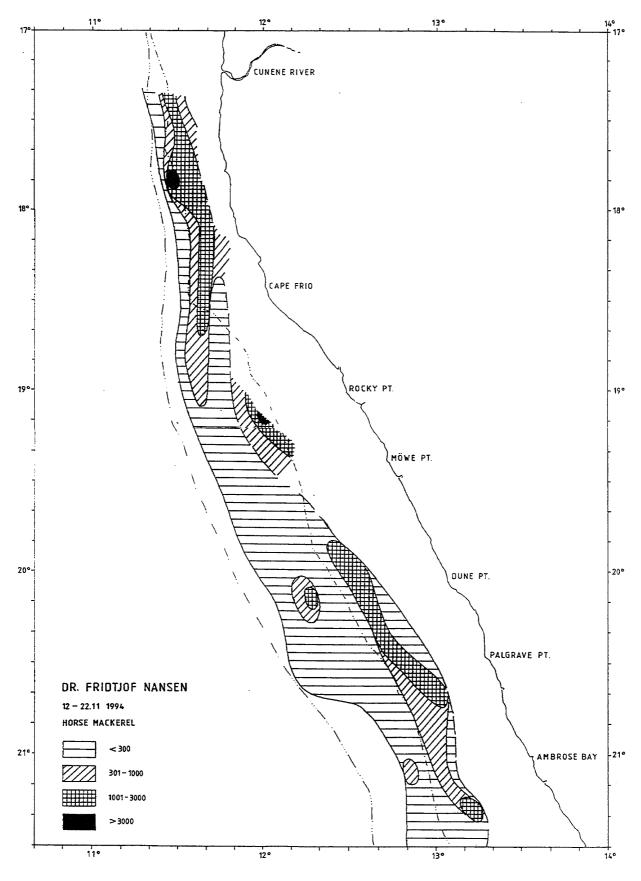


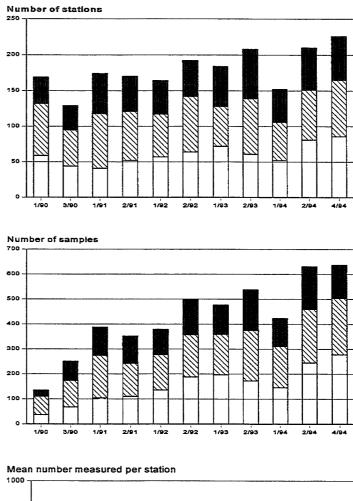
Figure 13 Distribution of horse mackerel, Ambrose Bay to Cunene River.

## **CHAPTER 4 CONSIDERATIONS ON THE SURVEY RESULTS**

#### Survey effort

The present survey is the 11th in a series started in early 1990, covering the distribution of the hake stocks over the whole Namibian shelf. Figure 14 shows effort spent in these the investigations. The effort of the present survey is the highest both in number of trawl stations and of fish length samples, and is considered to represent a full and optimal coverage of the Cape hake. The time required for this sampling scheme is 36 days with no days lost due to bad weather, and one day spent for call to port.

Mid-water behaviour of the hake can cause problems for the trawl survey methodology. However, improved acoustic technology has made it possible to establish a technique that can reduce the effect of this behaviour on the estimates. In previous surveys (1993 to Jan. 1994) the pelagic behaviour may have caused some underestimate in the biomass, especially in the Northern



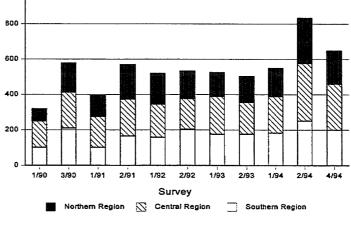


Fig. 14 Hake survey effort 1990-1994.

Region. During the previous survey in May and during the recent survey the pelagic behaviour was less pronounced, adding less than 10% to the total estimate.

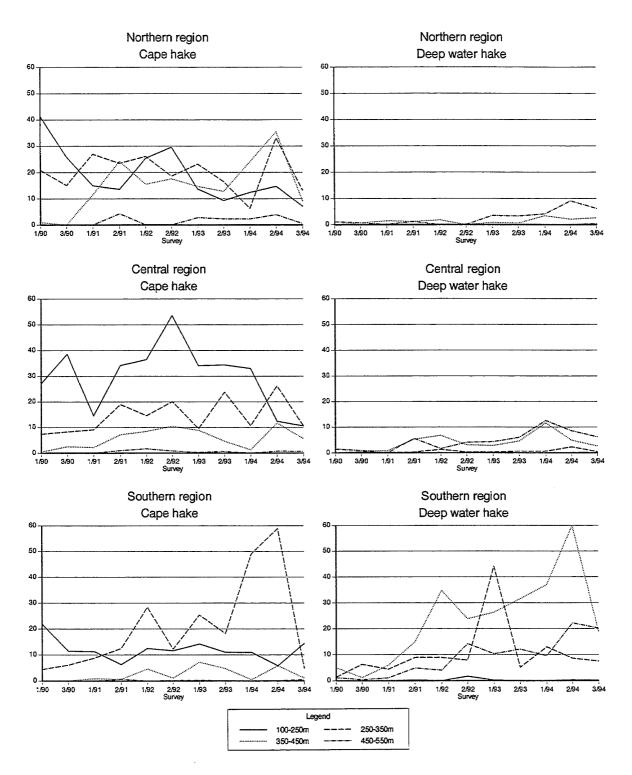


Figure 15 Estimated mean densities in depth strata by surveys. Mean densities in tonnes/nm<sup>2</sup>.

### Catch per unit effort

A summary of the estimates of the mean density of the hakes by depth strata is shown in Figure 15. Since the previous survey in May the mean densities of Cape hake have dropped in

all depth zones and in all regions except for the southern shelf area 100-250 m. The densities in the shallow range 100-250 m mainly reflect the abundance of the young fish, 2-3 years of age, that inhabit this zone. A decline in the 'shallow' central area was reported in the previous survey and is confirmed by the last results. The densities in the deeper zones mainly reflect the state of the fishable part of the hake stock, and Figure 15 shows a recent strong decline that perhaps could seriously restrict the reproduction capacity of the Cape hake. For the deep water hake there is observed a strong decline in the depth zone 350-450 m in the southern area which has held a major part of the stock in Namibian waters. For the other depth zones and regions the decline is less pronounced. It is unclear if the decline in the deep water hake should be explained by stock decline or seasonal migration out of the survey area.

#### **Biomass estimates**

Table 19 shows a summary of the biomass estimates for the two hake stocks by regions and surveys. Since May 1994, the estimated total biomass of hakes has dropped sharply from 790 to 490 000 tonnes. For the Cape hake the reduction is highest in the Southern Region (-38%), followed by the Northern Region (-33%) and least in the Central Region (-30%). Part of the relative differences can be explained by seasonal migration of adult fish towards the Central Region, but the overall picture of decline is serious. Split by fishable/non-fishable categories the fishable stock has declined 48% and the non-fishable 16%, the last has dropped further from a below normal level in May. Both size groups are now at a lower level than previously recorded in the course of the "Dr. Fridtjof Nansen" surveys in Namibian waters, Table 19. The total estimates on fishable biomass and recruits have also been summarized graphically in Figure 16. The dominant feature is the low present level of the fishable biomass of the Cape hake and its continuing declining trend that started in early 1993. This is a picture that in most cases would suggest persistent overfishing. We do not have information to support such an explanation.

Table 19 Summary of to 1 000 tonnes. (						ates for th	he two ha	ike speci	es by sur	veys and	areas.
TOTAL BIOMASS											
	Feb-	Sep-	Jan-	Oct-	Apr-	Oct-	Jan-	Apr-	Jan-	Apr-	Oct-
	Mar	Oct	Feb	Nov	May	Nov	Feb	May	Feb	May	Nov
	1990	1990	1991	1991	1992	1992	1993	1993	1994	1994	1994
SOUTHERN REGION											
Cape Hake	130	130	126	80	200	160	210	180	200	240	150
Deep water hake	22	25	31	83	145	125	150	115	160	215	120
CENTRAL REGION											
Cape Hake	180	219	150	302	261	542	280	280	225	160	113
Deep water hake	4	6	6	13	15	15	12	20	30	30	16
NORTHERN REGION											
Cape Hake	180	*105	200	140	185	1 <b>90</b>	150	110	92	130	87
Deep water hake				2	4	8	4	6	20	15	9
TOTAL NAMIBIA											
Cape hake	490	450	480	520	650	890	640	570	520	530	350
Deep water hake	25	35	40	100	160	150	170	140	210	260	145
Both	515	*485	513	620	810	1040	810	710	737	790	495
······································		·····	FISH.	ABLE	BIOM	ASS					
SOUTHERN REGION											
Cape Hake				42	145	75	115	94	112	130	35
Deep water hake				42	113	80	123	95	114	164	61
CENTRAL REGION				:							
Cape Hake				140	85	170	150	118	50	65	58
Deep water hake				(13)	15	15	9	16	26	22	10
NORTHERN REGION											
Cape Hake				135	143	143	113	88	74	102	63
Deep water hake				-	-	-	-	-	19	13	8
Cape Hake	200	*270	280	320	370	390	380	300	240	300	156
Deep water hake	20	*20	20	50	130	100	140	120	160	200	79
TOTAL FISHABLE	220	*290	300	370	503	490	520	420	400	500	235
		NC	DN-FI	SHAB	LE BI	OMAS	S				
Cape Hake	290	180	200	200	280	500	260	270	280	230	193
Deep water hake	5	15	20	50	130	50	30	20	50	60	66
NON-FISHABLE	295	195	220	250	410	550	290	290	330	290	259

 $\ast\,$  Unadjusted underestimate due to fish off the bottom.

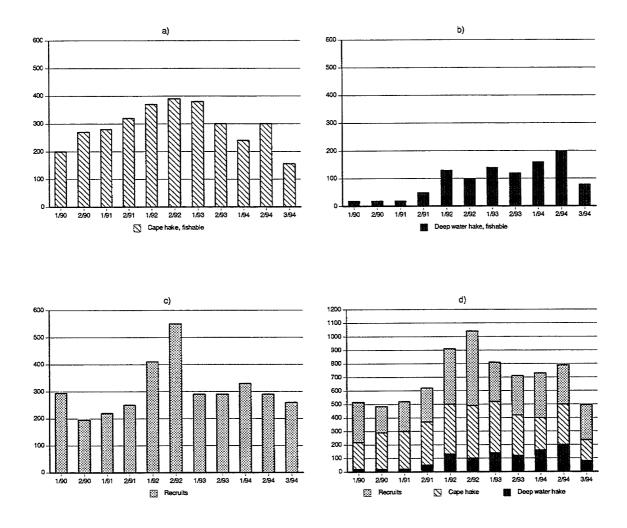


Figure 16 Trends in biomass estimates: a) Cape hake, 'fishable stock', b) deep water hake, 'fishable stock', c) recruits ('non-fishable' biomass) and d) total hake in Namibia. Thousand tonnes.

## Geographic shift in the fishable biomass

Figure 17 shows the development of the relative share of the fishable biomass of Cape hake in the regions during the last three years. The figure demonstrates that the Southern Region, which in May 1994 held a 44% share of the biomass, in the last survey had decreased to 23% while

in the Central Region in the same period the fraction of the biomass increased from 22 to 37%.

#### **Recruitment potential**

The recruitment to the stock of Cape hake can be estimated from the numerical abundance of the 1.5-2 year old fish. November is usually the month when one first time through trawl surveys can

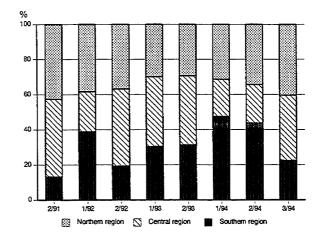
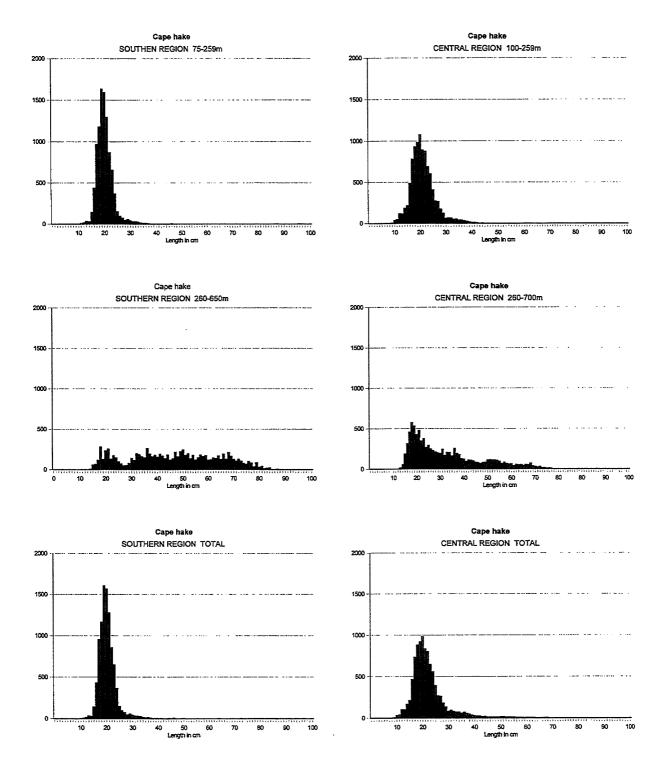


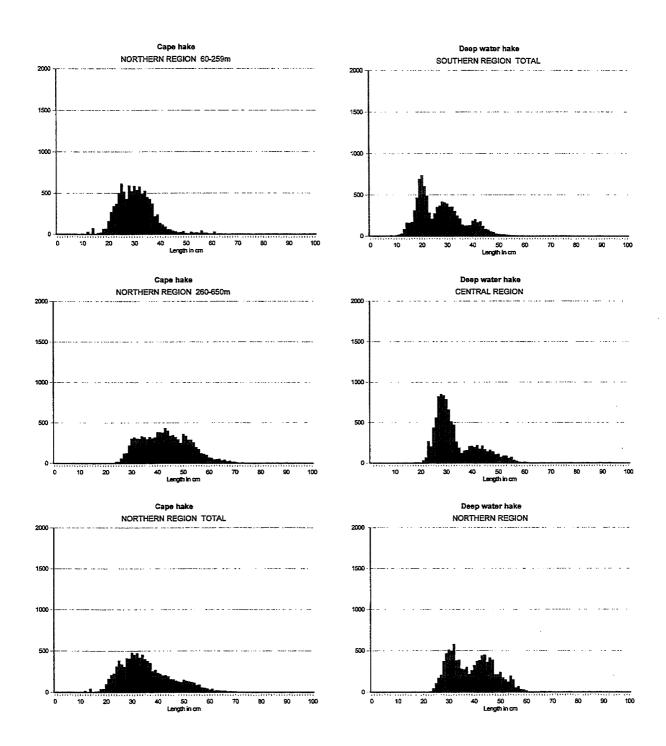
Fig. 17 Relative regional share of fishable biomass of Cape hake 1991-94.

estimate the strength of the year-class born the previous year, as it has then settled on bottom during the previous months. The estimates for the 1993 year-class, based on the current survey data, are shown in Table 20 together with previous observations. A 'normal' recruitment level after two years seems to be around 2 billion fish  $\pm 200$  million (Table 20). The 1993 year-class is at present slightly above this level but will likely in May 1995, after have been subject to half a year of natural mortality, be of the same level as the 1992 year-class, which is a 'below normal' year-class. Our data thus indicate two consecutive year-classes with year-class strength below normal. This could have serious consequences as regards the recruitment to the fishery in the next years. Another striking feature in the table is that the Southern Region stands out as the main habitat for the young fish. In all previous surveys the Central Region has contained the main part of the youngest cohort. This shift is probably caused by a change in the environmental regime.

Table 20Estimates of strength of recent year-classes of Cape hake. Cohort population numbers at about two years of age for the groups assumed to have been spawned in 1988, 1989, 1990, 1991, 1992 and 1993. Millions of fish.										
Year-class	1988	1989	1990	1 <b>990</b>	1991	1991	1991	1992	1992	1993
Southern region	980	100	160	300	990	670	390	250	230	1 730
Central region	1 320	170	1 710	1 620	3 500	1 230	1 370	1 880	830	490
Northern region	10	10	20	240	440	270	130	70	175	190
Total	2 310	280	1 890	2 160	4 930	2 170	1 890	2 200	1 235	2 410
Survey/Year	1/90	1/91	2/91	1/92	2/92	1/93	2/93	1/94	2/94	3/94

# Annex I Size composition of main stocks

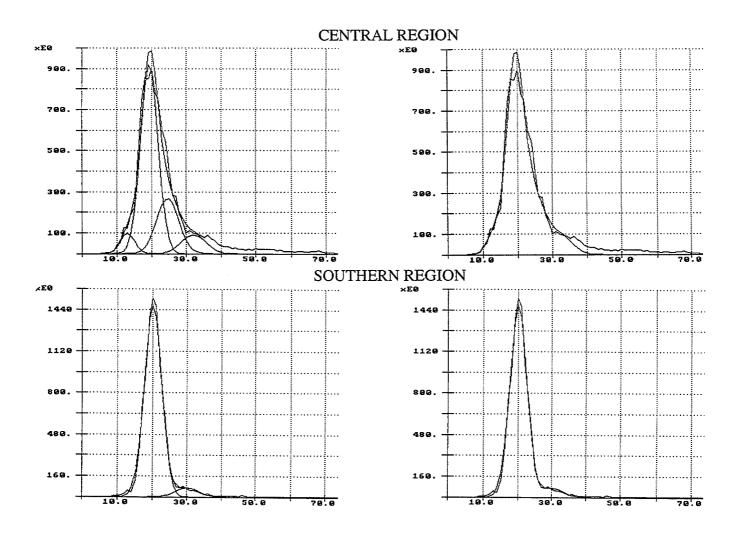




Annex II The size composition of the hake stocks split into length cohorts though optimizing techniques

CAPE HAKE

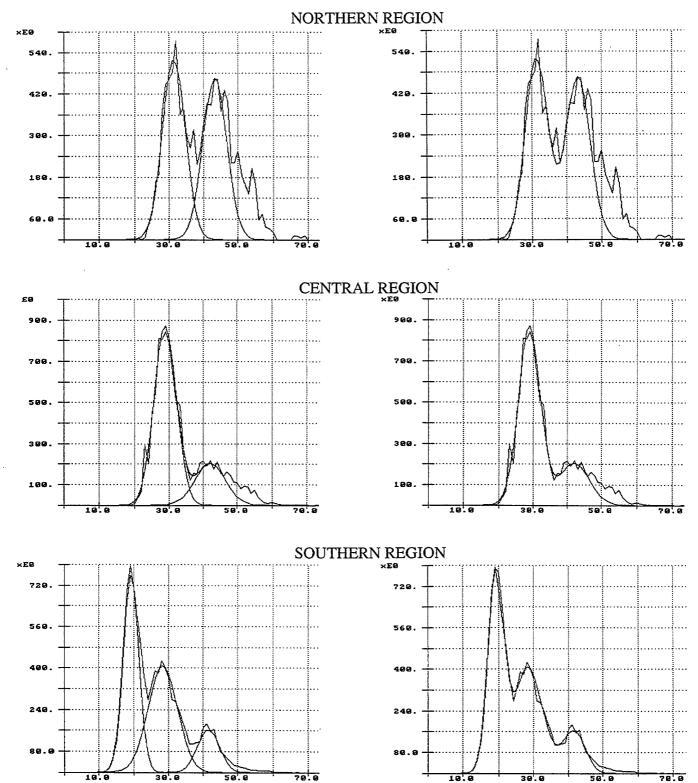




The length distribution with the estimated cohorts.

The length frequency distribution with the resultant distribution explained by the estimated cohorts.

DEEP WATER HAKE



The length distribution with the estimated cohorts.

The length frequency distribution with the resultant distribution explained by the estimated cohorts.

## Annex III Records of fishing stations

DATE: 20/10/94 GEAR	TYPE: BT No:6		JECT STATI	
start stop duratio	n			E 1457
LOG : 421.00 422.60 1.60	min) Purpose c Area code			
FDEPTH: 380 376 BDEPTH: 380 376	GearCond. Validity			
	ut:1050 m Spee		n*10	
Sorted: 71 Kg Total cat	ch: 323.65	CATCH	/HOUR:	625.42
SPECIES	CATCH/HO		OF TOT. C	SAMP
Merluccius paradoxus, male		mbers 1974	35.22	1248
Merluccius paradoxus, female	213.87	1723	34.14	1249
Helicolenus dactylopterus Zeus faber	29.81 26.32	174 29	4.76 4.20	
Coelorinchus fasciatus	25.84	590	4.13	
Squalus blainvillei Epigonus denticulatus	25.26 20.42	29 377	4.03 3.26	
Malacocephalus laevis	13.65	58	2.18	
Lophius vomerinus Galeus polli	12.29 10.26	15 135	1.96	1250
Raja leopardus	7.16	10	2.14	
Holohalaelurus regani Rossia enigmatica	5.90 4.16	19 194	0.94	
Hoplostethus mediterraneus	3.29	68	0.53	
Hoplostethus mediterraneus Genypterus capensis	3.29 3.19	68 4	0.53 0.51	1251
Paracallionymus costatus	1.45	194	0.23	
Todaropsis eblanae Tripterophycis gilchristi	0.97 0.77	10 48	0.15	
Myxine capensis	0.68	10	0.11	
Nezumia sp.	0.48	58	0.08	
Total	629.71		100.52	
			JECT STATI	
DATE:20/10/94 GEAR start stop duratio	TYPE: BT No:6	POSIT		S 2939 E 1439
TIME :22:27:00 22:57:00 30 (	min) Purpose o			
LOG : 442.40 443.90 1.50 FDEPTH: 420 420	Area code GearCond.			
BDEPTH: 420 420	Validity	code:		
	out:1150 m Spee			
Sorted: 72 Kg Total cat			/HOUR:	144.84
SPECIES	CATCH/HC weight nu	unbers	OF TOT. C	SAMP
Merluccius paradoxus, femal <del>e</del> Lophius vo <del>me</del> rinus	57.60 27.30	124 12	39.77 18.85	1253 1255
Coelorinchus fasciatus	14.40	202	9.94	1235
Epigonus denticulatus	10.04 8.50	134 34	6.93 5.87	1252
Merluccius paradoxus, male Genypterus capensis	5.90	4	4.07	1252
Malacocephalus laevis	5.74	12	3.96	
Bassanago albescens Helicolenus dactylopterus	4.74 4.56	12 22	3.27 3.15	
	3.04	2 32	2.10 0.64	
	0 0 0			
Rossia enigmatica	0,92 0,68	12	0.47	
Rossia enigmatica Myxine capensis Todaropsis eblanae	0.68 0.44	12 4	0.30	
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani	0.68	12		
Rossia enigmatica Myxine capensis Todaropsis eblanae Holchalaelurus regani Galeus polli Paracallionymus costatus	0.58 0.44 0.38 0.28 0.14	12 4 4 4 22	0.30 0.26 0.19 0.13	
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp.	0.68 0.44 0.38 0.28 0.14 0.10 0.08	12 4 4 22 10 4	0.30 0.26 0.19	
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri	0.68 0.44 0.38 0.14 0.10 0.08 0.00	12 4 4 22 10 4 2	0.30 0.26 0.19 0.13 0.07	
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp.	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00	12 4 4 22 10 4	0.30 0.26 0.19 0.10 0.07 0.05	
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp.	0.68 0.44 0.38 0.14 0.10 0.08 0.00	12 4 4 22 10 4 2	0.30 0.26 0.19 0.13 0.07	
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00	12 4 4 22 10 4 2 8	0.30 0.26 0.19 0.10 0.07 0.05	ON- 448
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAH	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 144.84 R TYPE: BT No:6	12 4 4 22 10 4 2 8	0.30 0.26 0.19 0.13 0.07 0.05 100.00	S 2939
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAT start stop duratic TIME :00:28:00 00:58:00 30 (	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 	12 4 4 22 10 4 2 8 8 POSI 20 50 Code : :	0.30 0.26 0.19 0.10 0.07 0.05 100.00	
Rossia enigmatica Myxine capencis Todaropsis eblanae Holchalælurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 CEAF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 144.04 R TYPE: BT No:6	12 4 4 22 10 4 2 8 8 PRC POSIT	0.30 0.26 0.19 0.10 0.07 0.05 100.00	S 2939
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 144.84 R TYPE: BT No:6 Dn (mib) Purpose ( Area code GearCond, Validity	12 4 4 22 10 4 2 8 8 PR POST Code: : code: :	0.30 0.26 0.19 0.17 0.07 0.05 100.00	S 2939
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 144.84 R TYPE: BT No:6 0.00 (min) Purpose of Area code GearCond. Validity Vulidity	12 4 4 22 0 0 4 2 8 PRC POSIT code: : code: : code: : code: : code: : code: :	0.30 0.26 0.19 0.17 0.07 0.05 100.00 DJECT STATI TION: Lat Long L	S 2939
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire co Sorted: 89 Kg Total cat	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 0.00 144.84 R TYPE: BT No:6 0 min) Purpose of Area code GearCond. Validity put:1500 m Speet	12 4 4 22 10 4 2 8 9 POSI' 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.30 0.26 0.19 0.10 0.07 0.07 0.06 	S 2939 E 1432 274.88
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 89 Kg Total cat	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0 min) Purpose of Area code GearCond. Validity put:1500 m Spec tch: 137.44 CATCH/HK	12 4 4 22 10 4 2 2 8 Post code: code: code: code: code: code: code: code: code: code:	0.30 0.26 0.19 0.17 0.07 0.05 100.00 DJECT STATJ HON:Lat Long Long Long Lan*10 4/HOUR:	S 2939 E 1432 274.88 C SAMP
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAI start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452:30 453:80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female	0.68 0.44 0.38 0.28 0.14 0.10 0.00 0.00 144.84 R TYPE: BT No:6 on (min) Purpose of Area code GearCond. Validity put:1500 m Spee tch: 137.44 CATCH/HK weight m 76.70	12 4 4 22 10 4 2 2 8 9 9 9 9 9 9 9 9 4	0.30 0.26 0.19 0.19 0.07 0.07 0.05 	S 2939 E 1432 274.88 C SAMP
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0.00 144.84 R TYPE: BT No:6 0.00 0.00 144.84 R TYPE: BT No:6 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	12 4 4 4 2 10 4 2 8 8 9 8 9 9 8 9 8 9 8 9 8 9 8 9 4 798 8 8	0.30 0.26 0.19 0.10 0.07 0.07 0.05 	S 2939 E 1432 274.88 C SAMP 1257
Rossia enigmatica Myxine capensis Todaropsis eblanae Kolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 CEAI start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170* Wire of Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis	0.68 0.44 0.38 0.28 0.14 0.10 0.00 0.00 144.84 R TYPE: BT No:6 0.00 (min) Purpose of Area code GearCond Validity Vulidity Dut:1500 m Spee tch: 137.44 CATCH/HG weight m 76.70 36.60 34.10 25.82	12 4 4 2 2 8 POST code: : code: : : code: : code: : : : : : : : : : : : : : :	0.30 0.26 0.29 0.19 0.17 0.07 0.07 100.00 DJECT STATI FION:Lat Long L sn*10 4/HOUR: 4 OF TOT. 0 13.31 2.41 9.76	s 2939 E 1432 274.88 C SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Murolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.00 1.50 LOG : 452.30 453.00 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire co Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0.00 144.84 R TYPE: BT No:6 0.00 144.84 CarCond Validity put:1500 m Spee tch: 137.44 CATCH/HK weight m 76.70 36.60 34.10 25.82 25.08 23.20	12 4 4 2 2 10 4 2 8 8 9 9 9 9 9 9 9 4 30 9 4 798 8 8 4 6 30	0.30 0.26 0.26 0.19 0.10 0.07 0.07 0.05 100.00 DJECT STATJ TION:Lat Long L Sm*10 4/HOUR: 4 OF TOT. C 27.90 13.31 12.41 9.76 9.12 7.35	s 2939 E 1432 274.88 C SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEAT start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTN: 525 518 Towing dir: 170° Wire c Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Roja confudens	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0.00 (min) Purpose of Area code GearCond. Validity Jut:1500 m Spec Ech: 137.44 CATCH/HK Weight nu 76.70 36.60 34.10 25.82 25.08 20.20 18.24	12 4 4 2 2 0 8 7 2 0 0 2 2 0 0 2 2 0 0 2 0 0 2 4 2 0 0 2 4 2 0 0 2 4 2 0 0 2 4 2 0 0 2 4 2 0 0 2 0 0 2 0 0 0 2 0 0 0 0	0.30 0.26 0.26 0.19 0.17 0.07 0.05 100.00 DJECT STATJ FION:Lat Long 3 Long 1 Long 3 Long 1 Long 3 Long 1 Long 3 Long 1 Long Long Long Long Long Long Long Long	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEA start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 30 (min) Purpose of Area code GearCond (wind) Purpose of Area code GearCond taldity yut:1500 m Spec tch: 137.44 CATCH/HK weight nu 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64	12 4 4 2 2 8 9 2 8 8 2 8 8 2 2 8 8 2 2 8 8 4 2 3 0 4 2 3 0 4 3 0 2 4 150 3 0 2 4 150 3 0 2 4 3 0 2 4 3 0 2 4 3 0 2 4 3 10 5 2 8 10 10 10 10 10 10 10 10 10 10 10 10 10	0.30 0.26 0.26 0.19 0.17 0.07 0.07 0.07 100.00 DJECT STATI FION:Lat Long 3 L m*10 4/HOUR: 27.90 13.31 12.41 9.76 9.12 7.35 6.64 3.56	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia Sp. Tripterophycis gilchristi Murolicus muelleri Stereomastis Sp. Total DATE:21/10/94 GEMF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 150 DEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire co Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp.	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0.00 144.84 R TYPE: BT No:6 0.00 144.84 R TYPE: BT No:6 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	12 4 4 4 2 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.30 0.26 0.26 0.19 0.10 0.07 0.07 0.05 	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 CEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Melicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaecon maritae	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0 min) Purpose of Area code GearCond. Validity put:1500 m Spec tch: 137.44 CATCH/HK weight nu 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64 7.14 2.34 1.86	12 4 4 4 2 2 8 9 PRC POSI 2 2 3 3 2 4 3 9 4 798 8 8 4 6 3 0 2 4 6 3 0 3 0 3 0 3 0 1 8 4 1 50 3 0 1 2 4 6 1 9 4 7 9 8 1 1 9 4 1 9 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1	0.30 0.26 0.19 0.10 0.07 0.07 0.05 	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holchalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Murolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEMF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.00 1.50 LOG : 452.30 453.00 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire of Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Emopterus lucifer Chaceon maritae Photichthy sp.	0.68 0.44 0.38 0.28 0.14 0.10 0.00 0.00 	12 4 4 2 2 8 9 2 3 8 2 2 3 8 2 2 3 3 3 2 4 3 0 4 3 0 2 4 3 0 2 4 3 0 2 4 3 0 2 4 3 0 3 0 0 4 3 0 2 4 3 0 2 4 3 0 4 2 8 8 9 4 9 5 8 9 4 9 5 1 9 4 9 5 1 1 1 1	0.30 0.26 0.26 0.19 0.10 0.07 0.05 100.00 DJECT STATJ TION:Lat Long L Mn*10 4/HOUR: 27.90 13.31 12.41 9.12 7.35 6.64 3.14 2.65	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 CEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Melicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaecon maritae	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0 min) Purpose of Area code GearCond. Validity put:1500 m Spec tch: 137.44 CATCH/HK weight nu 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64 7.14 2.34 1.86	12 4 4 4 2 2 8 9 PRC POSI 2 2 3 3 2 4 3 9 4 798 8 8 4 6 3 0 2 4 6 3 0 3 0 3 0 3 0 1 8 4 1 50 3 0 1 2 4 6 1 9 4 7 9 8 1 1 9 4 1 9 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1 1 1 9 1	0.30 0.26 0.26 0.19 0.10 0.07 0.05 100.00 DJECT STATJ TION:Lat LODG 3 L Sh*10 4/HOUR: 4 OF TOT. C 27.90 13.31 12.41 9.12 7.35 6.64 3.14 2.60 8.14 2.65 0.85 0.68 0.55 0.52 0.42	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Rolchalaelurus regani Galeus polli Paracallionymus costatus Mezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEA start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire c Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaceon maritae Photichthys sp. Shrimps, small, non comm. Todaropsis eblanae Galeus polli	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 Area code GearCond Validity Jut:1500 m Spec Ech: 137.44 CATCH/HK Weight nn 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64 7.14 2.34 1.86 1.50 1.44 1.26 0.84	12 4 4 2 2 8 9 2 2 8 8 9 2 2 3 8 9 2 4 2 8 8 9 4 7 8 8 8 4 6 30 2 4 4 50 8 7 8 8 8 4 6 30 2 2 4 6 30 2 4 6 10 9 4 7 9 4 7 9 5 8 7 9 5 8 7 9 5 8 7 9 5 8 7 9 5 8 7 9 5 7 9 5 7 9 5 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 5 7 9 5 7 9 5 7 9 4 7 9 5 7 9 5 7 9 4 7 9 5 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 7 9 5 7 9 4 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0.30 0.26 0.26 0.19 0.17 0.07 0.07 0.05 100.00 DJECT STATJ FION:Lat Long 4 4/HOUR: 4 4/HOUR: 4 5 5 6.64 3.56 6.64 3.56 6.64 3.56 6.52 0.68 0.55 0.46 0.52 0.41 0.55 0.41 0.55 0.52 0.41 0.55 0.55 0.41 0.55 0.55 0.55 0.55 0.55 0.55 0.55 0.5	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia Sp. Tripterophycis gilchristi Murolicus muelleri Stereomastis Sp. Total DATE:21/10/94 GEAH start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 00:58:00 30 ( SpEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire co Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaceon maritae Photichchys sp. Shrimps, small, non comm. Todaropsis eblanae Galeus polli Myxine capensis	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 A TYPE: BT No:6 0 Area code GearCond. Validity put:1500 m Spec tch: 137.44 CATCH/HK weight nu 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64 7.14 2.34 1.50 1.44 1.26 0.84 0.72	12 4 4 4 2 2 8 9 9 9 9 9 9 9 1 150 30 2 4 6 6 6 150 30 2 4 6 6 6 12 12	0.30 0.26 0.26 0.19 0.10 0.07 0.05 	S 2939 E 1432 274.68 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaroppis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Mezumia Sp. Tripterophycis gilchristi Murolicus muelleri Stereomastis Sp. Total DATE:21/10/94 GEMF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire co Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaceon maritae Photichthys sp. Shrimps, small, non comm. Todaropsis eblanae Galeus polli Myxine capensis Tripterophycis gilchristi Notacanthus sexspinis	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: BT No:6 0 min) Purpose of Area code GearCond. Validity put:1500 m Spec tch: 137.44 CATCH/HK weight m 76.70 36.60 34.10 25.82 25.08 20.20 18.24 9.78 8.64 7.14 2.34 1.50 1.50 1.50 1.54	12 4 4 4 2 2 8 9 Post code: co	0.30 0.26 0.26 0.19 0.10 0.07 0.07 0.05 0JECT STATI TION:Lat Long L MATEL 4/HOUR: 27.90 13.31 12.41 9.76 9.12 7.35 6.64 3.56 3.14 2.60 0.85 5.65 0.85 0.68 0.55 0.52 0.46 0.31 0.26 0.20 0.20	S 2939 E 1432 274.88 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Holchalæelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 GEMF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.00 1.50 LOG : 452.30 453.00 1.50 FDEFTH: 525 518 BDEPTH: 525 518 DDEPTH: 525 518 Towing dir: 170° Wire of Sorted: 89 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Shrimps, small, non comm. Todaropsis eblanae Galeus polli Myxine capensis Tripterophycis gilchristi Notacanthus sexplnis	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.64 R TYPE: BT No:6 0.00 144.64 R TYPE: BT No:6 0.00 0.00 144.64 R TYPE: BT No:6 Chreaterond. Chreaterond	12 4 4 2 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.30 0.26 0.26 0.19 0.17 0.07 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.01 0.00 0.00 0.00 0.13 0.07 0.00 0.20 0.20 0.20 0.20 0.20 0.20	S 2939 E 1432 274.68 SAMP 1257 1258
Rossia enigmatica Myxine capensis Todaropsis eblanae Holohalaelurus regani Galeus polli Paracallionymus costatus Nezumia sp. Tripterophycis gilchristi Maurolicus muelleri Stereomastis sp. Total DATE:21/10/94 CEMF start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.00 1.50 FDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 BDEPTH: 525 518 Towing dir: 170° Wire of Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chaceon maritae Photichthys sp. Shrimps, small, non comm. Todaropsis eblanae Galeus polli Myxine capensis Tripterophycis gilchristi Notacanthus sexapinis MycropHIDAS Bassanago albescens Epigonus denticulatus	0.68 0.44 0.38 0.28 0.14 0.10 0.00 0.00 144.84 R TYPE: BT No:6 0.00 144.84 R TYPE: BT No:6 0.00 Area code CearCond Validity Validity Validity Validity Validity Validity Nut:1500 m Spee tch: 137.44 CATCH/HG Weight m 76.70 36.60 34.10 25.08 20.20 18.24 9.78 8.64 7.14 1.86 1.50 1.44 1.86 1.50 1.44 1.26 0.54 0.54 0.54 0.06	12 4 4 4 22 2 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	0.30 0.26 0.26 0.19 0.10 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.05 0.07 0.07	S 2939 E 1432 274.88 SAMP 1257 1258
DATE:21/10/94 GEAN start stop duratic TIME :00:28:00 00:58:00 30 ( LOG : 452.30 453.80 1.50 FDEPTH: 525 518 DDEPTH: 525 518 Towing dir: 170° Wire of Sorted: 39 Kg Total cat SPECIES Merluccius paradoxus, female Coelorinchus braueri Lophius vomerinus Malacocephalus laevis Torpedo nobiliana Merluccius paradoxus, male Raja confundens Selachophidium guentheri Helicolenus dactylopterus Nezumia sp. Etmopterus lucifer Chacen maritae Photichthys sp. Shrimps, small, non comm. Tcdaropsis eblanae Galeus polli Myxine capensis Tripterophycis gilchristi Notacanthus sexspinis MYCTOPHIDAE Bassanago albescens	0.68 0.44 0.38 0.28 0.14 0.10 0.08 0.00 144.84 R TYPE: ET No:6 0.00 144.84 R TYPE: ET No:6 0.00 0.00 144.84 R TYPE: ET No:6 0.00 0.00 144.84 R TYPE: ET No:6 0.00 0.00 144.84 R TYPE: ET No:6 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	12 4 4 4 2 2 8 8 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.30 0.26 0.19 0.10 0.07 0.07 0.06 0.17 0.07 0.31 1.2.41 9.76 0.3.14 0.55 0.64 0.55 0.52 0.46 0.45 0.55 0.52 0.46 0.260 0.20 0	S 2939 E 1432 274.88 SAMP 1257 1258

DATE:21/10/94 GEAR TYP	E: BT No:6		CT STATION	1: 449 2933
start stop duration TIME :05:30:00 06:50:00 20 (min)			Long E	
LOG : 486.40 487.40 1.00	Area code	: 1		
FDEPTH: 255 250 BDEPTH: 255 250	GearCond. Validity o			
	730 m Speed		10	
Sorted: 94 Kg Total catch:	203.21	CATCH/I	OCR: 60	00.63
		abers	OF TOT. C	SAMP
Helicolenus dactylopterus Callorhinchus capensis	103.53 93.03	1062 42	17.24 15.49	
Zeus faber	72.99	285	12.15	
Thyrsites atun Genypterus capensis	51.60 49.05	27 39	8.59 8.17	1261 1263
Coelorinchus fasciatus Merluccius paradoxus, juvenile	37.50 25.83	348 1272	6.24 4.30	1258
Merluccius paradoxus, juvenile Merluccius capensis, female	25.05 23.55	12	4.17	1278
Lophius vomerinus Squalus megalops	20.79	6 33	3.92 3.46	1262
Brama brama Chelidonichthys capensis	16.71 13.56	12 63	2.78 2.26	
Holohalaelurus regani Merluccius paradoxus, female	12.51 9.00	33 63	2.08	1268
Cynoglossus capensis	6.69	87	1.11	
Merluccius paradoxus, male Sphoeroides pachgaster	6.60 6.09	.53 12	1.10 1.01	1260
RAJIDAE Todaropsis eblanae	5,67 3,78	12 54	0.94 0.63	
Trachurus capensis	3.48	21	0.58	
Congiopodus spinifer Callanthias legras	2.85 2.64	12 12	0.47 0.44	
Lepidopus caudatus Merluccius capensis, male	2.52 2.22	42 3	0.42	1259
Etrumeus whiteheadi	1.47	12	0.24	
Notopogon macrosolen	0.63	12	0.10	
Total	599.34		99.76	
DATE: 21/10/94 GEAR TYP	PE: BT No:6		ECT STATIO ON:Lat S	
start stop duration			Long E	
TIME :08:40:00 09:10:00 30 (min) LOG : 502.10 503.60 1.50	Area code	: 1		
FDEPTH: 160 166 BDEPTH: 160 166	GearCond. Validity			
Towing dir: 40° Wire out:			+10	
Sorted: 110 Kg Total catch:	181.47	CATCH/	HOUR: 3	62.94
SPECIES	CATCH/HO	-	OF TOT. C	SAMP
	weight nu	mbers		
Merluccius capensis, female Merluccius capensis, male	98.54 60.06	82 76	27.15 16.55	1269 1264
Squalus megalops Emmelichthys ritidus	54.60 46.00	190 7360	15.04 12.67	
Chelidonichthys capensis	35.00	200	9.64	1267
Thyrsites atun Trachurus capensis	24.00 17.80	14 90	6.61 4.90	1267
Holohalaelurus regani Zeus faber	12.10 5.00	50 90	3.33 1.38	
Lophius vomerinus RAJIDAE	4.04 2.30	8 10	1.11 0.63	1265
Sepía australis	1.20	130	0.33	
Cynoglossus capensis Todaropsis eblanae	1.20 1.00	10 20	0.33	
Congiopodus spinifer	0.10	10	0.03	
Total	362.94		99.98	
DATE: 21/10/94 GEAR TY.	PE: BT No:6		ECT STATIC	
start stop duration			Long I	
LOG : 523.90 525.50 1.60	Area code	: 1		
FDEPTH: 177 178 BDEPTH: 177 178	GearCond. Validity			
Towing dir: 50" Wire out:			*10	
Sorted: 15 Kg Total catch:	15.49	CATCH/	HOUR:	30.98
SPECIES	CATCH/HC	NIP 1	OF TOT. C	SAMP
	weight nu	umbers		64 6 1 K
Mustelus mustelus Callorhinchus capensis	6.20 5.64	2 2	20.01 18.21	
Brama brama Merluccius paradoxus, juvenile	4.30 2.32	2 66	13.88 7.49	
Helicolenus dactylopterus	2.30	70	7.42	
Sepia australis Holohalaelurus regani	2.22 1.72	212 4	7.17 5.55	
Cynoglossus capensis Paracallionymus costatus	1.62	40 104	5.23 3.62	
Chelidonichthys capensis	0,74	2	2.39	
Merluccius capensis Genypterus capensis	0.68 0.64	2	2.19	
Trachurus capensis Emmelichthys nitidus	0.42 0.38	2 26	1.36	
Chelidonichthys queketti	0.28	6 76	0.90	
Lolligoncula mercatoris Maurolicus muelleri	0.14	118	0.45	
Lepidopus caudatus	0.08	2	0.26	
Total	30.98		100.01	

DATE: 21/10/94 GEAR TY	PE: BT No:6		CT STATION	2906
start stop duration TIME :12:50:00 13:20:00 30 {min	) Purpose c	ode: 3	Long E	1530 ·
LOG : 529.10 530.80 1.70	Area code	: 1		
FDEPTH: 177 179 BDEPTH: 177 179	GearCond. Validity			
Towing dir: 225* Wire out:			10	
Sorted: 12 Kg Total catch:		CATCH/1		51.84
SPECIES	CATCH/HC	UR %	OF TOT. C	SAMP
Paracallionymus costatus	weight nu 24.30	umbers 2556	16.00	
Merluccius paradoxus, juvenile	24.20	680	15.94	1274
Helicolenus dactylopterus Trachurus capensis	23.40 17.40	594 64	15.41 11.46	1277
Merluccius capensis, female	17.10	24	11.26 10.99	1270
Cynoglossus capensis Merluccius paradoxus, female	16.68 7.30	222 72	4.81	1273
Sepia australis Lophius vomerinus	6.00 5.60	504 4	3.95 3.69	1275
Lolligoncula mercatoris	2.88	942	1.90	
Merluccius paradoxus, male Merluccius capensis, male	1.70 1.46	22 2	1.12 0.96	1272 1271
Mustelus mustelus Holohalaelurus regani	1.14 1.14	6 6	0.75	
Genypterus capensis	0.88	10	0.58	1275
Lepidopus caudatus Todaropsis eblanae	0.36 0.18	18 132	0.24 0.12	
CALAPPIDAE	0.12	6	0.08	
Total —	151.84		100.01	
DATE: 21/10/94 GEAR TY	PE: BT No:6		ECT STATIO ON:Lat S	
start stop duration TIME :14:54:00 15:24:00 30 (min				1540
LOG : 543.30 544.90 1.60	Area code	e : 1		
FDEPTH: 176 177 BDEPTH: 176 177	GearCond Validity			
Towing dir: 60° Wire out:	600 m Spee	ed: 32 km	•10·	
Sorted: 74 Kg Total catch:	298.25	CATCH/	HOUR: 5	96.50
SPECIES	CATCH/H	UR 1	OF TOT. C	SAMP
	weight n	unbers		
Merluccius paradoxus, juvenile Trachurus capensis	235.76 172.68	7422 470	39.52 28.95	1283 1284
Paracallionymus costatus Galeorhinus galeus	37.98 29.00	2528 2	6.37 4.86	
Merluccius capensis, female	18.70	190	3.13	1282
Merluccius capensis, male Helicolenus dactylopterus	17.96 17.08	212 910	3.01 2.86	1281
Sepia australis Holohalaelurus regani	13.84 11.06	1320 146	2.32 1.85	
Cynoglossus capensis	10.18	388	1.71	
Merluccius capensis, female Todaropsis eblanae	7.60 5.36	20 96	1.27	1279
Brama brama	4.80 3.26	2 26	0.80 0.55	1286
Lophius vomerinus Lolligoncula mercatoris	3.06	1230	0.51	
Merluccius capensis, male Genypterus capensis	2.80	8 34	0.47	1280 1285
Thyrsites atun Lepidopus caudatus	2.52	2	0.42	
· · · _	0.22	14	0.04	
Total	596.50		99.98	
			ECT STATIO	
DATE: 21/10/94 GEAR TY start stop duration	PE: BT No:6	POSITI	ON:Lat S Long E	
TIME :17:06:00 17:36:00 30 (min LOG : 559.50 561.00 1.50	<ol> <li>Purpose</li> <li>Area code</li> </ol>			
FDEPTH: 152 147	GearCond	.code:		
BDEPTH: 152 147 Towing dir: 50° Wire out:	Validity 550 m Spec		<b>*</b> 10	
	-			00 76
Sorted: 49 Kg Total catch:		CATCH/		88.76
SPECIES	CATCH/H weight n		OF TOT. C	SAMP
Merluccius capensis, juveniles Merluccius capensis, female Merluccius capensis, male	226.82 174.90	6852 2486	32.93 25.39	1290 1293
Merluccius capensis, male	160.60	2090	23.32	1252
Trachurus capensis Merluccius capensis, female	26.84 18.00	176 28	3.90 2.61	1289 1295
Thyrsites atun	16.94 16.60	88 92	2.46	1287
Lophius vomerinus Chelidonichthys capensis	12.76	44	2.41 1.85	1291
Merluccius capensis, male Sepia australis	5.40 5.06	14 198	0.78 0.73	1294
Paracallionymus costatus	4.62	154	0.67	
Helicolenus dactylopterus Holohalaelurus regani	4.18 3.96	88 88	0.61 0.57	
Rossia enigmatica Sufflogobius bibarbatus	3.30 3.08	44 88	0.48	
Etrumeus whiteheadi	2.86	22	0.42	
Cynoglossus capensis Genypterus capensis	1.76 0.86	88 10	0.26 0.12	1288
Lepidopus caudatus	0.22	22	0.03	
Total —	688.76		99.99	
DATE: 21/10/94 GEAR TY	PE: BT No:6		ECT STATIO	
start stop duration			Long E	
TIME :19:43:00 20:13:00 30 (mir LOG : 579.30 581.00 1.70	Area cod	e : 1		
FDEPTH: 95 91 BDEPTH: 95 51	GearCond Validity	.code:		
Towing dir: 335* Wire out:	360 m Spe	ed: 34 kn	*10	
Sorted: 42 Kg Total catch:	1440.62	CATCH/	HOUR: 28	81.24
-				
SPECIES	Сатси /ч	DUR 9	OF TOT C	SAMD
SPECIES Merluccius capensis	CATCH/H weight n 2708.10	OUR % umbers 63546	OF TOT. C 93.99	SAMP 1296

weight	numbers		
2708.10	63546	93.99	1296
75.48	102	2.62	1300
68.34	102	2.37	1299
24.80	10	0.86	1298
2.56	22	0.09	1301
1.96	8	0.07	1297
2881.24		100.00	
	75.48 68.34 24.80 2.56 1.96	2708.10 63546 75.48 102 68.34 102 24.60 10 2.56 22 1.96 8	2708.10 63546 93.99 75.48 102 2.62 68.34 102 2.37 24.80 10 0.86 2.56 22 0.09 1.96 8 0.07

		PROJ	ECT STATION	: 456
	YPE: BT No:6	POSITI		2822
start stop duration		a	Long E	1554
TIME :06:33:00 07:03:00 30 (mi LOG : 627.40 628.80 1.40	n) Purpose co. Area code			
FDEPTH: 100 100	GearCond.c			
BDEPTH: 100 100	Validity c			
Towing dir: 325* Wire out	: 340 m Speed		*10	
Sorted: 33 Kg Total catch	1089.00	CATCH/	HOUR: 21/	8.00
SPECIES	CATCH/HOU		OF TOT. C	SAMP
Merluccius capensis, juveniles		bers 0228	54.24	1302
Merluccius capensis, juveniles Merluccius capensis, male		6600	19.24	1302
Merluccius capensis, female		5874	18.64	1304
Chelidonichthys capensis		1122	6.91	1307
Trachurus capensis	16.50	56	0.76	1305
Photichthys argenteus	4.62	1320	0.21	1306
- Total	2178.00		100.00	
10001			100100	
		PRO	JECT STATION	1: 457
DATE: 22/10/94 GEAR 5	TYPE: BT No:6			2833
start stop duration				1534
	in) Purpose co	de: 3		
LOG : 649.90 651.40 1.50	Area code	: 1		
FDEPTH: 157 160	GearCond.c			
BDEPTH: 157 160	Validity c	ode:	5810	
BDEPTH: 157 160		ode:	n*10	
BDEPTH: 157 160	Validity c 1: 470 m Sp <del>ec</del> d	ode: : 30 kr		)3.44
BDEPTH: 157 160 Towing dir: 270° Wire out	Validity c 1: 470 m Sp <del>ec</del> d	ode: : 30 kr		)3.44
BDEPTH: 157 160 Towing dir: 270° Wire out	Validity c 1: 470 m Sp <del>ec</del> d	ode: : 30 kr CATCH,		)3.44 SAMP
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catcl SPECIES	Validity c t: 470 m Speed h: 51.72 CATCH/HOU weight num	ode: : 30 kr CATCH, R <b>t</b> bers	/HOUR: 10 OF TOT. C	
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catc: SPECIES Callorhinchus capensis	Validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90	ode: : 30 kr CATCH, R & bers 12	/HOUR: 10 OF TOT. C 17.30	SAMP
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile	Validity c t: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10	ode: : 30 kr CATCH, R <b>t</b> bers 12 526	/HOUR: 10 OF TOT. C 17.30 15.56	SAMP 1312
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Merluccius capensis, female	Validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70	ode: : 30 kr CATCH, R 1 bers 12 526 26	/HOUR: 10 OF TOT. C 17.30 15.56 14.21	SAMP
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Merluccius capensis, female Mustelus mustelus	Validity c :: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00	ode: : 30 kr CATCH, R 1 bers 12 526 26 4	/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63	SAMP 1312 1309
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Merluccius capensis, female Mustelus mustelus Merluccius capensis, male	validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00 10.40	Dde: : 30 kr CATCH, R 1 bers 12 526 25 4 30	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05</pre>	SAMP 1312
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Merluccius capensis, female Mustelus mustelus	Validity c :: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00	ode: : 30 kr CATCH, R 1 bers 12 526 26 4	/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63	SAMP 1312 1309
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis	Validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00 10.40 5.18 5.04 3.58	ode: : 30 kr CATCH, CATCH, bers 12 526 26 4 30 64 2 16	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46</pre>	SAMP 1312 1309 1308
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atum Trachurus capensis Chelidonichthys capensis	Validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56	ode: : 30 kr CATCH, R 1 bers 12 526 25 4 30 64 2 16 6	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44</pre>	SAMP 1312 1309 1308 1316
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Merluccius capensis, female Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus	validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00 10.40 5.18 5.04 3.58 3.56 3.32	ode: : 30 kr CATCH, CATCH, 12 526 25 4 30 64 2 16 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21</pre>	SAMP 1312 1309 1308 1316 1314
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thysites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80	ode: : 30 kr CATCH, bers 12 526 26 4 30 64 2 16 6 10 20	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71</pre>	SAMP 1312 1309 1308 1316
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidopus caudatus Merluccius paradoxus, female Squalus megalops	validity c : 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22	ode: : 30 kr CATCH, catch, is 12 526 26 4 30 64 2 16 6 10 20 6	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15</pre>	SAMP 1312 1309 1308 1316 1314
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohaledurus regani	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80	ode: : 30 kr CATCH, bers 12 526 26 4 30 64 2 16 6 10 20	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71</pre>	SAMP 1312 1309 1308 1316 1314
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidopus caudatus Merluccius paradoxus, female Squalus megalops	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12	ode: : 30 kr CATCH, CATCH, CATCH, 12 526 25 4 30 64 2 16 6 10 20 6 10 20 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05</pre>	SAMP 1312 1309 1308 1316 1314 1311
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalaelurus regani Genyterus capensis	Validity c 1: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74	ode: : 30 kr CATCH, R 1 bers 12 526 25 4 30 64 20 6 10 20 6 10 20 6 10 20 6 4 4 4 4 4 6	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalaelurus regani Genypterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 11.00 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60	ode: : 30 kr CATCH, R 1 bers 12 526 26 4 30 64 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 20 8 44 45 12 10 10 10 10 10 10 10 10 10 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophius vomerinus	Validity c 1: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60 0.54	ode: : 30 kr CATCH, R 1 bers 12 526 4 30 64 2 16 6 10 20 6 10 8 4 4 4 6 10 20 6 10 8 10 8 10 10 10 10 10 10 10 10 10 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalaelurus regani Genyterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophus vomerinus Sepia australis	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight mun 17.90 16.10 14.70 14.70 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60 0.54 0.28	ode: : 30 kr CATCH, CATCH, tr 12 526 4 30 64 20 6 10 6 10 8 446 12 6 16 16 16 16 16 16 16 16 16	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.58 0.52 0.27</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalelurus regani Genypterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophus vomerinus Sepia australis Zeus faber	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60 0.54 0.28 0.18	ode: : 30 kr CATCH, kr 1 bers 12 526 4 30 64 2 16 6 10 20 10 20 10 10 20 10 10 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 6 10 10 6 10 10 10 10 10 10 10 10 10 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.65 10.05 5.01 4.87 3.46 3.24 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.58 0.52 0.17</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus mustelus Merluccius capensis, male Etrumeus whitcheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalælurus regani Genypterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophius vomerinus Sepia australis Zeus faber Sufflopohus biharbatus	Validity c 1: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.54 0.28 0.18 0.18	ode: : 30 kr CATCH, CATCH, tr 12 526 4 30 64 20 6 10 6 10 8 446 12 6 16 16 16 16 16 16 16 16 16	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.58 0.52 0.27</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
BDEPTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalelurus regani Genypterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophus vomerinus Sepia australis Zeus faber	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60 0.54 0.28 0.18	ode: : 30 kr CATCH, R 1 2526 4 2526 4 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 20 10 10 10 10 10 10 10 10 10 1	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.65 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.27 0.17</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
EDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalelurus regani Genypterus capensis Helicolenus dactylopterus Paracallionymus coetatus Merluccius paradoxus, male Lophius vomerinus Sepia australis Zeus faber Sufflogobius bibarbatus Todaropsis eblanae	Validity c 2: 470 m Speed h: 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.18 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.60 0.54 0.18 0.18 0.18 0.18	ode: : 30 kr CATCH, R 1 bers 12 526 25 4 30 64 2 10 20 6 10 8 8 4 4 4 4 4 4 4 4 4 4 4 4 4	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.65 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.58 0.52 0.27 0.17 0.15</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310
BDEFTH: 157 160 Towing dir: 270° Wire out Sorted: 51 Kg Total catch SPECIES Callorhinchus capensis Merluccius paradoxus, juvenile Mustelus mustelus Merluccius capensis, female Mustelus mustelus Merluccius capensis, male Etrumeus whiteheadi Thyrsites atun Trachurus capensis Chelidonichthys capensis Lepidopus caudatus Merluccius paradoxus, female Squalus megalops Holohalaelurus regani Genyterus capensis Helicolenus dactylopterus Paracallionymus costatus Merluccius paradoxus, male Lophius vomerinus Sepia australis Zeus faber Sufflogobius bibarbatus Todaropsis eblanae	Validity c 1 470 m Speed 1 51.72 CATCH/HOU weight num 17.90 16.10 14.70 10.40 5.04 3.58 3.56 3.32 2.80 2.22 2.12 1.70 0.90 0.74 0.64 0.54 0.18 0.18 0.18 0.16 0.12	ode: 30 kr : 30 kr CATCH, R 1 526 526 526 526 225 4 2 16 6 10 20 6 10 20 6 10 20 6 10 20 6 10 20 6 10 10 20 6 10 10 10 10 10 10 10 10 10 10	<pre>/HOUR: 10 OF TOT. C 17.30 15.56 14.21 10.63 10.05 5.01 4.87 3.46 3.44 3.21 2.71 2.15 2.05 1.64 0.87 0.72 0.58 0.52 0.27 0.17 0.15 0.12</pre>	SAMP 1312 1309 1308 1316 1314 1311 1315 1310

		DD.	OJECT STATIO	N: 458
DATE: 22/10/94 GEAR TY	PE: BT No		TION:Lat S	
start stop duration	10. 01 10		Long E	
TIME :13:08:00 13:38:00 30 (min	Parnos	e code:	3	1011
LOG : 671.10 672.50 1.40	Area c		-	
FDEPTH: 160 165		nd.code:	-	
BDEPTH: 160 165		ty code:		
Towing dir: 335° Wire out:			kn*10	
		_		
Sorted: 129 Kg Total catch:	226.1	.3 CATC	H/HOUR: 4	52.26
	~	HOUR	& OF TOT. C	SAMP
SPECIES	weight	numbers	t OF TOT. C	SAMP
and the state between a second a	117.00	230	25.87	
Chelidonichthys capensis	102.80	230	22.73	1333
Merluccius capensis, female Trachurus capensis	60.10	170	13.29	1335
	43.30	54	9.57	1332
Merluccius capensis, male Paracallionymus costatus	26.50	2370	5.86	1352
Squalus megalops	24.60	2370	5.44	
Squalus megalops Mustelus mustelus	14.60	10	3,23	
Helicolenus dactylopterus	11.70	250	2.59	
Cynoglossus capensis	6.50	230	1.44	
Merluccius capensis, juveniles	5.80	240	1.28	1334
Chelidonichthys gueketti	5.80	50	1.28	13.94
Brama brama	5.00	2	1.11	
Callorhinchus capensis	4.90	10	1.08	
Lolligoncula mercatoris	4.00	1248	0.88	
Holohalaelurus regani	3.80	20	0.84	
Merluccius paradoxus, male	3.60	10	0.80	1344
Sepia australis	3.20	480	0.71	2044
Zeus capensis	3.10	90	0.69	
Merluccius paradoxus, female	2.30	10	0.53	1343
Todaropsis eblanae	2.00	20	0.44	
Etrumeus whiteheadi	1.60	20	0.35	
Ennelichthys nitidus	0.50	50	0.11	
Lepidopus caudatus	0.10	10	0.02	
repropas caucicus	0.10	10	0.72	
Total	452.80		100.12	

		PROJECT STATIO	N: 459
DATE: 22/10/94	GEAR TYPE: BT No:6	POSITION:Lat S	2853
	luration	Long E	1503
TIME :16:21:00 16:51:00		de: 3	
LOG : 691.50 693.00	1.50 Area code	: 1	
FDEPTH: 169 167	GearCond.co	ode:	
BDEPTH: 169 167	Validity co	de:	
Towing dir: 330*	Wire out: 600 m Speed:		
Sorted: 87 Kg Tot	al catch: 141.80	CATCH/HOUR: 2	83,60

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP	
	weight	numbers			
Merluccius capensis, juveniles	58.14	1488	20.50	1341	
Merluccius capensis, female	54.50	56	19.22	1339	
Squalus megalops	43.08	138	15.19		
Chelidonichthys capensis	24.30	60	8.57		
Merluccius capensis, male	21.10	20	7.44	1338	
Thyrsites atun	18.20	8	6.42	1336	
Helicolenus dactylopterus	16.62	372	5.86		
Lophius vomerinus	8,90	10	3.14	1337	
Brama brama	8.20	4	2.89		
Trachurus capensis	6.70	18	2.36	1340	
Holohalaelurus regani	4.80	18	1.69		
Sepia australis	3.30	426			
Todaropsis eblanae	2.88	54			
Cynoglossus capensis	2.82	30	0.99		
Merluccius paradoxus, female	2.80	10		1342	
Paracallionymus costatus	2.70	234	C.95		
Congiopodus spinifer	2.28	24	C.80		
Zeus faber	1.74	36	C.61		
Emmelichthys nitidus	0.30	36	C.11		
Lepidopus caudatus	0.24	6	0.08		
Total	283.60		99.99		

DATE: 23/10/94 GEAR	TYPE: BT No		DJECT STATI TION:Lat	S 290
start stop duration			Long	E 142
TIME :10:08:00 10:38:00 30 (m	in) Purpos	e code:		
LOG : 757.90 759.40 1.50	Area o			
FDEPTH: 390 390	GearCo	nd.code:	-	
BDEPTH: 390 390	Validi	ty code:		
Towing dir: 330* Wire out	t:1180 m S		kn*10	
Sorted: B5 Kg Total cate	h: 1517.0	5 CATC	H/HOUR: 3	034.10
10007.00				
SPECIES			OF TOT. C	SAM
	weight	numbers		
Merluccius paradoxus, female	1048.80		34.57	136
Epigonus denticulatus	1042.08		34.35	
ferluccius paradoxus, male	760.80		25.07	136
Brama brama	60.00		1.98	
Coelorinchus fasciatus	40.80		2.34	
Senypterus capensis	27.50	12	0.91	136
ferluccius capensis, female	18.60	12	0.61	136
YCTOPHIDAE	15.36	144	0.51	
falacocephalus laevis	15.36	144	0.51	
fodaropsis eblanae	8.16	240	0.27	
Paracallionymus costatus	0.96	96	0.03	
Total	3038.42		100.15	

			PROJECT STAT	ION: 45
DATE:23/10/94	GE	AR TYPE: BT No:6	POSITION:Lat	S 2903
start	stop durat;	ion	Long	E 142
TIME :11:52:00	12:22:00 30	(min) Purpose		
LOG : 765.10	766.60 1.50	Area cod		
FDEPTH: 468	476	GearCond	. code :	
BDEPTH: 468	476	Validity	code :	
Towing o	ir. 340" Wire	out:1400 m Spee		

Sorted: 21 Kg Total catch: 346.68 CATCH/HOUR: 693.36

3038.42

DATE: 2	3/	10/94			GE	AR TY	PE: BT	No:6	PO	SITIO	N:Lat	S	2904
		star		stap	durat						Long	Е	1445
TIME	: 0	6:29:6	0 00	6:59:0	0 30	(min	) Purp	pose (	code:	3	-		
LOG	:	740.20	, ·	741.70	1.50		Area	a cod	e	: 1			
FDEPTH	:	220	)	223			Geat	rCond	. code				
BDEPTH	:	220	)	223			Val	idity	code				
	T	owing	dir	: 250*	Wire	out:	660 m				10		

Sorted:	99 Kg	Total catch:	486.46	CATCH/HOUR:	972.92
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SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Trachurus capensis	389.20	980	40.00	1351
Merluccius paradoxus, juvenile	247.24	6496	25.41	1349
Merluccius capensis, female	60.90	40	6.26	1346
Lepidopus caudatus	60.20	1148	6.19	
Lophius vomerinus	35.60	32	3.56	1352
Merluccius paradoxus, female	35.56	364	3.65	1348
Helicolenus dactylopterus	28.56	336	2.94	
Cynoglossus capensis	24.64	308	2.53	
Thyrsites atun	24.30	20	2.50	1350
Merluccius paradoxus, male	19.32	336	1.99	1347
Genypterus capensis	14.70	8	1.51	1353
Squalus megalops	9.24	28	0.95	
Sepia australis	4.76	336	0.49	
Merluccius capensis, male	4.70	8	0.48	1345
Paracallionymus costatus	3.36	532	0.35	
MURAENIDAE	2.52	112	0.26	
Zeus faber	2.24	28	0.23	
Chelidonichthys capensis	1.96	28	0.20	
Todaropsis eblanae	1.96	28	0.20	
Malacocephalus laevis	1.68	28	0.17	
Photichthys argenteus	0.28	364	0.03	
Total	972.92		100.00	

		PROJECT STAT	PION: 461
DATE: 23/10/94	GEAR TYPE: BT No:6	POSITION:Lat	S 2910
start	stop duration	Long	E 1434
TIME :08:35:00 0	9:05:00 30 (min) Purpose co	ode: 3	
LOG : 752.50	754.00 1.50 Area code	: 1	
FDEPTH: 295	320 GearCond.c	code:	
BDEPTH: 295	320 Validity of	ode:	
Towing dir	: 270* Wire out: 900 m Speed	1: 30 kn*10	
Sorted: 158 Kg	Total catch: 1472.10	CATCH/HOUR:	2944.20

SPECIES	CATCH	/HOUR	OF TOT. C	SAMP
	weight	numbers		
Zeus faber	932.00	2800	31.66	
Merluccius paradoxus, juvenile	926.40	14160	31.47	1358
Merluccius capensis, female	195.80	114	6.65	1355
Merluccius paradoxus, male	173.60	2000	5.90	1356
Lepidopus caudatus	159.20	2000	5.41	
Trachurus capensis	147.20	400	5.00	1361
Merluccius paradoxus, female	116.00	1120	3.94	1357
Todaropsis eblanae	78.40	160	2,66	1000
Coelorinchus fasciatus	63.20	1920	2.15	
Helicolenus dactylopterus	43.20	240	1.47	
Merluccius capensis, male	37.10	26	1.26	1354
Holohalaelurus regani	26.40	160	0.90	2001
Malacocephalus laevis	15.20	160	0.52	
Lophius vomerinus	9.40	8	0.32	1360
Thyrsites atun	8.30	6	0.28	1359
Squalus megalops	8.00	80	0.27	2000
Photichthys argenteus	2.40	1360	0.08	
Paracallionymus costatus	1.60	320	0.05	
Squilla sp.	0.80	80	0.03	
Total	2944.20		100.02	

SPECIES	CATCH/HOUR		& OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	362.10	282	52.22	1367
Genypterus capensis	79.00	22	11.39	1370
Lophius vomerinus	45.00	10	6.49	1369
Todarodes sagittatus	40.56	102	5.85	
Ruvettus pretiosus	32.00	4	4.62	
Torpedo nobiliana	20.00	2	2.88	
Helicolenus dactylopterus	19.56	48	2.82	
CHAMPSODONTIDAE	18.42	18	2.66	
Scyliorhinus capensis	16.02	12	2.31	
Coelorinchus fasciatus	12.42	144	1.79	
Merluccius capensis, female	12.00	4	1.73	1368
Merluccius paradoxus, male	11.40	16	1.64	1366
Raja confundens	6.66	6	0.96	
Myxine capensis	5.04	120	0.73	
Holohalaelurus regani	3.00	12	0.43	
Ebinania costaecanarie	3.00	12	0.43	
PARAPAGURIDAE	1.32	72	0.19	
Yarrella blackfordi	1.14	90	0.16	
Notacanthus sexspinis	0.90	18	0.13	
MYCTOPHIDAE	0.42	216	0.06	
Total	689.96		99.49	

	PROJECT STATION: 464
DATE:23/10/94	GEAR TYPE: BT No:6 POSITION:Lat S 2900
	duration Long E 1422
TIME :13:38:00 14:08:00	0 30 (min) Purpose code: 3
LOG : 771.50 772.90	1.40 Area code : 1
FDEPTH: 557 563	GearCond.code:
BDEPTH: 557 563	Validity code:
Towing dir: 350"	Wire out:1550 m Speed: 30 kn*10

Sorted: 79 Kg Total catch:	95.90	CATCH/HO	UR: 19	91.80
SPECIES	CATCH/H		тот. с	SAMP
		umbers		
Centrophorus squamosus	39.00	6	20.33	
Etmopterus sp.	34.20	510	17.83	
Merluccius paradoxus, female	21.40	14	11.16	1371
Deania profundorum	14.46	18	7.54	
Raja confundens	13.08	18	6.82	
CHIMAERIDAE	12.78	18	6.66	
Trachyrincus scabrus	8.34	108	4.35	
Nezumia sp.	7.20	132	3.75	
Merluccius paradoxus, male	6.70	4	3.49	1372
Coelorinchus braueri	6.60	138	3.44	
Genypterus capensis	5.30	2	2.76	1373
Coloconger cadenati	5.16	6	2.69	
Todarodes sagittatus	3.24	30	1.69	
Selachophidium guentheri	3.18	72	1.66	
Parapenaeus longirostris	3.12	444	1.63	
Myxine capensis	2.70	78	1.41	
Helicolenus dactylopterus	2.22	6	1.16	
Chaceon maritae	1.50	12	0.78	
Yarrella blackfordi	1.44	156	0.75	
Holohalaelurus regani	1.32	5	0.69	
Plesiopenaeus edwardsianus	1.08	390	0,56	
Malacocephalus occidentalis	0,90	24	0.47	
Hoplostethus cadenati	0.84	48	0.44	
Bassanago albescens	0.60	5	0.31	
Notacanthus sexspinis	0.48	18	0.25	
Coelorinchus fasciatus	0.12	6	0.06	
Total	196.95		102.68	

		PROJECT STATION: 46
DATE: 23/10/94	GEAR TYPE: BT No:6	POSITION:Lat 5 285
start stop	duration	Long E 142
TIME :15:33:00 15:43:	00 10 (min) Purpose ca	ode: 3
LOG : 777.90 778.4	0 C.50 Area code	: 1
FDEPTH: 450 43	1 GearCond.c	code:
BDEPTH: 450 43	1 Validity of the second se	code:
Towing dir: 360	<ul> <li>Wire out:1350 m Speed</li> </ul>	d: 30 kn*10

Sorted: 27	7 Kg	Total catch:	227.04	CATCE/HOUR:	1362.24
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SPECIES	CATCH/	HOUR N	OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	669.30	1044	49.13	1374
Merluccius paradoxus, male	174.30	366	12.80	1375
Lophius vomerinus	109.80	18	8.05	1377
Shrimps, small, non comm.	84.00		6.17	
Helicolenus dactylopterus	51.24	132	3.76	
Genypterus capensis	48.60	24	3.57	1376
Coelorinchus fasciatus	41.64	624	3.06	
Deania profundorum	30.12	24	2.21	
Raja confundens	28.32	35	2.08	
Scyliorhinus capensis	27.36	36	2.01	
Holohalaelurus regani	27.24	60	2.00	
Torpedo nobiliana	25.08	6	1.84	
CHIMAERIDAE	11.16	12	0.82	
Maurolicus muelleri	10.56	6720	0.78	
Malacocephalus laevis	8.40	36	0.62	
Hoplostethus cadenati	4.68	108	0.34	
Rossia sp.	1.80	48	0.13	
Etmopterus lucifer	1.32	24	0.10	
Myxine capensis	1.32	24	0.10	
MYCTOPHIDAE	1.20	120	0.09	
Epigonus denticulatus	1.20	168	0.09	
Notacanthus sexspinis	0.84	12	0.06	
Tripterophycis gilchristi	0.48	12	0.04	
Bathynectes piperitus	0.48	12	0.04	
Malacocephalus occidentalis	0.48	12	0.04	
Photichthys argenteus	0.36	24	0.03	
Nezumia sp.	0.36	12	0.03	
Coelorinchus braueri	0.36	12	0.03	
Physiculus capensis	0.24	12	0.02	
Total	1362.24		100.05	

		PROJE	CT STATION	: 466
DATE: 23/10/54 GEAR TYP	E: BT No:6	POSITIO	N:Lat S	2854
start stop duration			Long E	1426
TIME :16:49:00 17:19:00 30 (min)	Purpose co	ode: 3		
LOG : 799.80 801.20 1.40	Area code	: 1		
FDEPTH: 349 352	GearCond.	code:		
BDEPTH: 349 352	Validity o	code:		
Towing dir: 350° Wire out:1	050 m Speed	d: 30 kn*	10	
Sorted: 52 Kg Total catch:	249.86	CATCH/H	OUR: 49	9.72
SPECIES	CATCH/HO		F TOT. C	SAMP
		nbers		
Merluccius paradoxus, male	181.50	1090	35.32	1378
Merluccius paradoxus, female	148.00	1200	29.62	1379
Raja clavata	42.50	10	8.50	
Coelorinchus fasciatus	29.70	370	5.94	
Helicolenus dactylopterus	25.80	110	5.16	
Holohalaelurus regani	14.50	40	2.90	
Malacocephalus laevis	9.80	20	1.96	
Todarodes sagittatus	8.00	20	1.60	
Epigonus denticulatus	7.80	2600	1.56	
Squalus megalops	7.10	10	1.42	
Epigonus denticulatus	6.10	100	1.22	
Photichthys argenteus	5.30	4710	1.06	
Galeus polli	4.10	40	0.82	
Merluccius capensis, female	3.00	2	0.60	1380
Lophius vomerinus	2.12	2	0.42	1381
Beryx splendens	1.50	10	0.30	
CRABS	1.20	160	0.24	
Todaropsis eblanae	1.10	40	0.22	
MYCTOPHIDAE	0.60	30	0.12	

		PROJECT STAT	ION: 45
DATE: 23/10/94	GEAR TYPE: BT No:	FOSITION:Lat	S 284
start st	top duration	Long	E 142
TIME :18:20:00 18	:29:00 9 (min) Purpose	code: 3	
LOG : 805.90 84	05.40 0.50 Area coo	de : 1	
FDEPTH: 292	295 GearCond	d.code:	
BDEPTH: 292	295 Validity	code:	
Towing dir:	270° Wire out: 870 m Spe	ed: 30 kn*10	
Sorted: 38 Kg	Total catch: 146.76	CATCH/HOUR:	978.40

Total

499.72

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Epigonus denticulatus	474.00	9840	48.45	
Brama brama	148.20	93	15.15	
Merluccius paradoxus, female	120.60	2240	12.33	1383
Merluccius paradoxus, male	111.33	1113	11.38	1382
Merluccius capensis, female	43.67	33	4.46	1384
Lepidopus caudatus	22.20	300	2.27	
Coelorinchus fasciatus	18.60	453	1.90	
Holohalaelurus reçani	13.53	60	1.38	
Helicolenus dactylopterus	8.13	93	0.83	
Lophius vomerinus	7,27	7	0.74	1385
Malacocephalus laevis	6,93	93	0.71	
Photichthys argenteus	3.00	2400	0.31	
Todaropsis eblanae	0.93	33	0.10	
Total	978.39		100.01	

			P	ROJECT STAT	ION: 468
DATE: 24/1	0/94	GEAR TYPE: 1	BT No:6 POS	ITION:Lat	S 2832
	start stop	duration		Long	E 1426
TIME :00	:16:00 00:46:00	30 (min) P	arpose code:	3	
LOG : 8	46.50 848.DO	1.50 A	rea code :	1	
FDEPTH :	365 371	Ge	earCond.code:		
BDEPTH :	365 371	Va	alidity code:		
Го	wing dir: 25*	Wire out:1050	m Speed: 30	kn*10	
Sorted:	38 Kg To	tal catch:	417.60 CAT	CH/HOUR:	835.20
SPECIES			CATCH/HOUR	S OF TOT.	C SAMP
JE LOIDS			aht numbers		C DIGHE

SPECIES	CATCH	THOUR	I OF TOT. C	SAMP
	weight	numbers		
Epigonus denticulatus	267.00	5600	31.97	
Malacocephalus laevis	109.60	830	13.12	
Helicolenus dactylopterus	97.60	420	11.69	
Genypterus capensis	78,60	40	9.41	1390
Merluccius paradoxus, female	56.50	270	6.76	1387
Coelorinchus fasciatus	47.00	460	5.63	
Merluccius capensis, female	42.20	22	5.05	1388
Holohalaelurus regani	30.60	80	3.66	
Galeus polli	28,60	22	3.42	
Scyliorhinus capensis	25.40	20	3.16	
Lophius vomerinus	19.10	6	2.29	1391
Merluccius paradoxus, male	19.00	140	2.27	1386
OCTOPODIDAE	6.00	2	0.72	
Merluccius capensis, male	4.20	4	0.50	1389
Lepidopus caudatus	2.00	20	C.24	
MYCTOPHIDAE	0.80	180	0.10	
Total	835.20		99.99	

		PROJECT STATION: 469
DATE: 24/10/94	GEAR TYPE: BT No:6	POSITION:Lat 5 2828
start stop du	ration	Long E 1424
TIME :01:47:00 02:17:00	30 (min) Purpose code	e: 3
LOG : 852.40 854.00 1	.60 Area code	: 1
FDEPTH: 450 456	GearCond.co	de:
BDEPTH: 450 456	Validity co	de:
Towing dir: 350° W	ire out:1300 m Speed:	30 kn*10
Sorted: 21 Kg Tota	l catch: 198.94	CATCH/HOUR: 397.08

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	235.90	666	59.29	1393
Merluccius paradoxus, male	65.90	234	16.56	1392
Todarodes sagittatus	28.00	76	7.04	
Coelorinchus fasciatus	16.88	380	4.24	
Raja confundens	13.72	12	3.45	
Etmopterus lucifer	11.76	528	2.96	
Genypterus capensis	8.20	6	2.06	1394
Holohalaelurus regani	4.96	12	1.25	
Tripterophycis gilchristi	4.56	24	1.15	
Helicolenus dactylopterus	2.20	8	0.55	
Myxine capensis	2.20	8	0.55	
Nezumía sp.	1.00	100	0.25	
Galeus polli	0.68	12	0.22	
Notacanthus sexspinis	0.88	28	0.22	
Photichthys argenteus	0.48	32	0.12	
Bassanago albescens	0.28	4	0.07	
MYCTOPHÍDAE	0.08	48	0.02	
Total	397.88		100.00	

															P	ROJ	ECI	STA	TIO	N: 4	70
DATE:	24,	/10	/94					GE	AR	TYP	E:	вт	No:	6	POS	ITI	ON:	Lat	s	28	34
		5	tar	t	st	op	du	rat	ion									Long	E	14	38
TIME	:(	)6:	26:	00	06:	56:1	0	30	(m.	in)	P	urp	ose	cod	e:	3		-			
LOG	:	87	5.8	D	87	7.3	) 1	. 50			А	rea	CO	de	:	2					
FDEPT	н:		16	3		16	3				G	ear	Con	d.co	de:						
BDEPTI	H :		16	3		163	:				v	ali	díty	7 CO	de:						
	2	'ow	ing	di	π:	330*	Ŵ	ire	out	t:	480	m	Spe	ed:	29	kr	*10				

Sorted: 102 Kg Total catch	: 870.8	1 CATC	H/HOUR:	1741.62
SPECIES	CATCH	/HOUR	S OF TOT.	C SAMP
01 002100	weight	numbers		
Thyrsites atun	1186.98	1492	68.1	5 1397
Holohalaelurus regani	117.76	1072	6.7	
Chelidonichthys capensis	105.40	256		
Zeus faber	104.70	1166		
Callorhinchus capensis	47.80	24	2.7	4
Merluccius capensis, male	35.80	34	2.0	6 1395
Trachurus capensis	28.92	116	1.6	6 1398
Lepidopus caudatus	26,36	24	1.5	1
Merluccius capensis, female	26.10	16	1.5	i0 1396
Emmelichthys nitidus	20.52	3648	1.1	.8
Chelidonichthys queketti	18.38	186	1.0	18
Congiopodus spinifer	8.86	70	0.5	1
Raja leopardus	8.40	24	0.4	8
Cynoglossus capensis	3.04	46	0.3	7
Todaropsis eblanae	1.86	24	0.3	1
Nezunia sp.	0.24	46	0,0	1
Total	1741.52		99.5	8

	PE: BT No:6	PF POSI	OJECT STATION TION:Lat S	2825
start stop duration TIME :09:34:00 10:04:00 30 (min			Long E	1454
LOG : 896.60 898.10 1.50 FDEPTH: 177 177	Area code GearCond.	:	1	
BDEPTH: 177 177 Towing dir: 30° Wire out:	Validity (	code:	km#10	
Sorted: 113 Kg Total catch:	113.49	CATO	H/HOUR: 2	26.98
SPECIES	CATCH/HO weight nu	UR mbers	& OF TOT. C	SAMP
Merluccius capensis, female	75.00	92 94	33.04	1400
Chelidonichthys capensis Merluccius capensis, male	34.00 25.80	34	14.98 11.37	1399
Thyrsites atun Squalus megalops	23.50 14.30	22 36	10.35 6.30	1401
Etrumeus whiteheadi Raja leopardus	10.70 8.60	132 2	4.71 3.79	
Todaropsis eblanae	6.82	152	3.00	
Raja wallacei Holohalaelurus regani	6.80 5.88	2 25	3.00 2.59	
2eus faber Lepidopus caudatus	3.44 2.86	82 14	1.52	
Paracallionymus costatus Raja straeleni	2.36	246 2	1.04	
Chelidonichthys gueketti	1.64	16	0.72	
Lolligoncula mercatoris Cynoglossus capensis	1.00 0.60	334 8	C.44 C.26	
Helicolenus dactylopterus Congiopodus spinifer	0.48	16 4	C.21 C.19	
Emmelichthys nitidus	0.42	92	0.19	
Sepia australis Trachurus capensis	0.36 0.18	26 2	0.16 0.08	
Total	226.98		99.99	
namp. 27. 110-101			OJECT STATIO	
start stop duration	PE: BT No:6		TION:Lat S Long E	
TIME :12:39:00 13:09:00 30 (min LOG : 915.50 917.10 1.70	) Purpose c Area code	ode: :	3	
FDEPTH: 173 173 BDEPTH: 173 173	GearCond.	code:		
	Validity 580 m Spee	d: 33	kn*10	
Sorted: 26 Kg Total catch:	289.83	CATO	H/HOUR: 5	79.66
SPECIES	CATCH/HO	UR	OF TOT. C	SAMP
	weight nu	mbers		
Thyrsites atun Merluccius capensis, female	372.10 74.80	256 106	64.19 12.90	1405 1403
Chelidonichthys capensis Merluccius capensis, male	23.00 21.70	96 46	3.97 3.74	1402
RAJIDAE Etrumeus whiteheadi	17.52 15.40	16 200	3.02 2.66	
Squalus megalops	14.00	32	2.42	
Lepidopus caudatus Callorhinchus capensis	7.96 5.88	4	1.37	
Holohalaelurus regani Mustelus mustelus	5.76 5.70	20 2	0.99	
Todaropsis eblanae Chelidonichthys queketti	2.36	56 20	0.41	
Helicolenus dactylopterus	2.36			
	2.24	236	0.39	
Paracallionymus costatus Zeus capensis	2.24 2.16 1.88	236 200 52	0.37	
Paracallionymus costatus Zeus capensis Congiopodus spinifer	2.16 1.88 1.48	200 52 8	0.37 0.32 0.26	1406
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichtlys nitidus	2.16 1.88 1.48 0.78 0.68	200 52 8 2 132	0.37 0.32 0.26 0.13 0.12	1406
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris	2.16 1.88 1.48 0.78 0.68 0.64 0.52	200 52 8 2 132 24 132	0.37 0.32 0.26 0.13 0.12 0.11 0.09	1406
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis	2.16 1.88 1.48 0.78 0.68 0.64	200 52 8 2 132 24	0.37 0.32 0.26 0.13 0.12 0.11	1406
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40	200 52 8 132 24 132 4	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07	
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30	200 52 8 2 132 24 132 4 132 4	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05	
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04	200 52 8 2 132 24 132 4 132 4 12 4	0.37 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01	1404
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66	200 52 8 2 132 24 132 4 12 4 9 F	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01	1404 N: 473
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04 579.66	200 52 8 2 132 24 132 4 12 4 24 9 9 9 905J	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichtlys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 CEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code	200 52 8 21 132 24 132 4 12 4 12 4 9 PPOSJ 0de: :	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO CTION:LAL S Long E 3	1404 N: 473 2812
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 CEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 Area code GearCond. Validity	200 52 8 2132 24 132 4 12 4 12 4 25 50 50 50 50 50 50 50 50 50 50 50 50 50	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TITION:LAL S Long E 3 1 8 4	1404 N: 473 2812
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichtlys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 1135 143	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 Area code GearCond. Validity	200 52 8 2132 24 132 4 12 4 12 4 25 50 50 50 50 50 50 50 50 50 50 50 50 50	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TITION:LAL S Long E 3 1 8 4	1404 N: 473 2812
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 CEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spee	200 52 8 2132 24 132 4 12 4 12 4 12 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S Long E 1 8 4 4 kn*10	1404 N: 473 2812
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out:	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/HO	200 52 8 2 24 132 24 132 4 132 4 24 9 Post ode: : code: code: d: 35 CATC	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S Long E 1 8 4 4 kn*10	1404 N: 473 2812 1515
Paracallicnymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 BDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340* Wire out: Sorted: 34 Kg Total catch: SPECIES	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50	200 52 8 2 24 132 24 132 4 132 4 24 9 Post ode: : code: code: d: 35 CATC	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:Lat S Long E 3 1 8 4 kn*10 CH/HOUR: 14 1 OF TOT. C 74.30	1404 N: 473 2812 1515 35.44
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis	2.16 1.88 1.48 0.78 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/HO weight nu 1066.50 155.00	2000 522 8 2 1322 24 132 24 132 4 122 4 9051 00de: code: code: code: code: 18642	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S Long E 3 1 8 4 km*10 CH/HOUR: 14 \$ 0F TOT. C 74.30 10.87	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichtys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callortinchus capensis Codaropsis eblanae	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spec. 478.48 CATCH/HO weight nu 1066.50 156.00 67.08 47.19	2000 52 8 2 132 24 132 24 132 24 132 4 9 0051 00de: code: code: code: code: 18642 2 8 9 15642	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TION:Lat S Long E 3 1 8 4 kn*10 CH/HOUR: 14 \$ 0F TOT. C 74.30 10.87 3.29	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 CEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/HO weight nu 1066.50 156.00 67.08 47.19 45.00 33.00	2000 52 8 2 132 24 132 24 132 4 122 4 122 4 122 4 20 8 7 80 8 132 8 9 80 80 80 80 80 80 80 80 80 80 80 80 80	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S Long E 3 1 8 4 kn*10 CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.13 2.30	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 DOPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorthinchus capensis Todaropsis eblanae Galeorthinus galeus	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/MO 156.00 67.08 47.19 45.00	2000 52 8 2 132 24 132 24 132 4 122 4 122 4 122 6 0de: : code: code: code: 18642 18642 39 15663 3	<pre>0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 </pre>	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 EDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun Genypterus capensis	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 weight nu 1066.50 155.00 33.00 15.99	2000 52 8 2 2 4 132 2 4 122 4 122 4 122 4 122 6 8 8 9 9051 00de: code: code: code: 18642 18642 18642 18642 18642 18752 18642 18752 1	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S Long E 3 1 8 4 kn*10 CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.13 2.30	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928:30 929:50 1.20 TDEPTH: 135 143 BDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun Gempyterus capensis Lophius vomerinus	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 > Purpose c Area code GearCond. validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50 155.00 67.08 47.19 45.00 33.00 15.99 2.73	2000 52 8 2 24 132 24 132 24 4 122 4 122 4 20 4 122 6 0 0 2 2 6 2 2 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 122	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION.LAL S Long E 3 Lang E 4 kn*10 PH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.29 3.13 2.30 1.11 0.19	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 DOTE: 34 Kg Total catch: Species Etrumeus whiteheadi Merluccius capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun Genypterus capensis Lophius vomerinus Lolligoncula mercatoris	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 > Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50 156.00 67.08 47.19 45.00 33.00 15.99 2.73 1.95	2000 52 8 2 24 132 24 132 24 4 122 4 122 4 20 4 122 6 0 0 2 2 6 2 2 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 4 122 122	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAL S 1 8 4 kn=10 CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.29 3.13 2.30 1.11 0.19 0.14	1404 N: 473 2812 1515 35.44 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Bmmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 DOTE: 34 Kg Total catch: Species Etrumeus whiteheadi Merluccius capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun Genypterus capensis Lophius vomerinus Lolligoncula mercatoris	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 > Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50 156.00 67.08 47.19 45.00 33.00 15.99 2.73 1.95	2000 52 52 8 2 132 24 4 12 7 8 9 9 9 507 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 30 7 8 2 4 8 2 4 4 2 2 4 4 2 4 4 2 2 3 5 5 5 7 5 7 5 7 8 7 8 7 8 7 8 7 8 7 8 7	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO ITTION:Lat S Long E 3 1 8 4 4 kn*10 CH/HOUR: 14 \$ 0F TOT. C 74.30 10.87 4.67 3.29 3.13 2.30 0.14 0.15 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.19 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 0.14 1.11 1.11 0.14 1.11 1.14 1.11 1.	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 EDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhincus galeus Thysites atun Genypterus capensis Lolligoncula mercatoris Total	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 > Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50 156.00 67.08 47.19 45.00 33.00 15.99 2.73 1.95	2000 52 52 8 24 4 132 4 4 122 4 4 9 Possi code: code: code: code: 18642 39 1566 3 30 78 3507 78 9 507	0.37 0.32 0.26 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TOEPTH: 135 143 BDEPTH: 135 143 DDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Todaropsis eblanae Galeorhinus galeus Thyrsites atun Genypterus capensis Lophius vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME : 19:06:00 19:36:00 30 (min	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/HO weight nu 1066.50 155.00 67.08 47.19 45.00 33.00 33.00 33.00 35.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c	2000 52 8 21 24 4 132 24 4 132 4 9 005 10 00de: 135 00de: 18642 3 300 78 330 78 330 78 3507 9 507 9 9051 00de:	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.13 2.30 1.11 0.14 100.00 ROJECT STATIO CTION:LAL S 1.00	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallicnymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorthinchus capensis Collogis eblanae Galeorthinus galeus Thyrsites atun Cenypterus capensis Lophius vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/MO 156.00 156.00 156.00 155.00 33.00 1.95 1.95 1.435.44 PE: BT No: ) Purpose c Area code	2000 52 8 8 24 4 132 4 122 4 122 4 122 4 122 4 122 4 122 4 122 6 23 6 24 122 4 24 122 4 24 122 4 24 122 4 24 122 4 24 24 122 4 24 4 24 24 4 24 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 4 24 4 22 24 22 4 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 24 22 22	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.13 2.30 1.11 0.14 100.00 ROJECT STATIO CTION:LAL S 1.00	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhinchus gapensis Lophus vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 BDEPTH: 83 83	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/NO 156.00 156.00 156.00 155.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/NO 15.99 2.73 1.95 1435.44	2000 52 52 8 24 132 24 122 4 122 4 122 4 122 4 122 4 122 6 0de: 3 0de: 3 18642 19652 196642 19662 196642 19665 1970 1970 1970 1970 1970 1970 1970 1970	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO ITTION:Lat S 1 8 4 kn*10 CH/HOUR: 14 1 OF TOT. C 74.30 10.87 4.67 3.29 3.13 2.30 0.14 10.00 ROJECT STATIO 0.87 4.67 3.29 3.13 2.30 1.11 0.19 0.14 10.00 ROJECT STATIO 0.87 4.67 3.29 3.13 2.30 1.11 0.19 0.14 100.00 ROJECT STATIO 0.14 10.00 14.00 10.00 1	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME : 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 DEPETH: 135 143 DEPETH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhinus galeus Thysites atun Genypterus capensis Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME : 19:06:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 BDEPTH: 83 83 Towing dir: 330° Wire out:	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/MO weight nu 1066.50 155.00 67.08 47.09 45.00 33.00 155.00	2000 52 8 8 24 132 4 122 4 122 4 122 4 122 4 122 4 2 4 122 4 2 4	0.37 0.32 0.26 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 Towing dir: 340* Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhincus capensis Lophus vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 933.60 955.20 1.60 FDEPTH: 83 83 BDEPTH: 83 83	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Spect 478.48 CATCH/MO weight nu 1066.50 155.00 67.08 47.09 45.00 33.00 155.00	2000 52 8 8 24 132 4 122 4 122 4 122 4 122 4 122 4 2 4 122 4 2 4	0.37 0.32 0.26 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407
Paracallicnymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TPDEPTH: 135 143 DDEPTH: 135 143 DDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhinus galeus Thysites atun Genypterus capensis Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME :19:06:00 30 (min LOG : 953.60 955.20 1.60 PDEPTH: 83 83 BDEPTH: 83 83 Towing dir: 330° Wire out:	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/MO 156.00 156.00 156.00 155.00 33.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 260 m Speet 125.02 CATCH/MO	2000 52 52 8 8 24 132 4 132 4 12 4 12 7 9 00de: 50 7 8 30 00de: 156 6 3 30 00 7 8 39 507 7 9051 00de: 15 6 4 2 30 00 7 8 2 4 2 4 4 2 2 4 4 2 4 4 2 2 4 4 2 4 4 2 2 5 5 5 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	0.37 0.32 0.26 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533
Paracallicnymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 DOPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Collorhinchus capensis Collorhinchus capensis Lophus vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 PDEPTH: 83 83 DDEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES Merluccius capensis, juveniles	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/MO Weight nu 1066.50 156.00 156.00 156.00 155.00 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 260 m Speet 125.02 CATCH/HO Weight nu 125.02 CATCH/HO	2000 52 52 8 8 132 24 132 4 122 4 122 4 122 4 122 4 125 code: 5 code: 135 co	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TITION.LAT S 1 8 4 kn*10 CH/HOUR: 14 1 OF TOT. C 74.30 1.87 4.67 3.29 0.14 100.00 ROJECT STATIO 0.14 100.00 ROJECT STATIO 0.14 100.00 100.00 ROJECT STATIO 0.14 100.00	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928:30 929:50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Collorhinchus capensis Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 BDEPTH: 83 83 BDEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/MO Weight nu 1066.50 156.00 156.00 155.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 260 m Speet 125.02 CATCH/HO Weight nu 125.02 CATCH/HO	2000 52 52 8 24 4 132 24 4 122 4 9 9051 00de: : : code: : : code: 18642 39 1566 3 30 78 9 507 9 1567 6 6 30 7 8 9 507 9 1064 2 4 4 10 2 4 4 10 2 4 4 10 2 4 4 10 2 10 2	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION.LAT S 1 8 4 kn*10 ROJECT STATIO 1.11 0.19 0.14 1.01 1.01 0.19 0.14 1.01 1.01 1.01 0.19 0.14 1.01 1.01 0.19 0.14 1.01 1.01 0.05 1.01 1.01 0.07 0.14 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 0.07 1.01 1.07 1.01 0.07 1.01 1.07 1.01 1.07 1	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME 14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 FDEPTH: 135 143 BDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Lophius vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 BDEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. validity 500 m Speet 478.48 CATCH/NO Weight nu 1066.50 156.00 67.08 47.19 45.00 33.00 1.55 1.435.44 PE: BT No: ) Purpose c Area code Gearcond. validity 2.73 1.95 1.435.44 PE: BT No: ) Purpose c Area code Gearcond. validity 260 m Speet 125.02 CATCH/NO Weight nu 10.80 24.36 21.84 11.34	2000 52 52 8 24 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 4 132 6 132 6 132 132 132 132 132 132 132 132 132 132	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 99.99 ROJECT STATIO TTION:LAT S 3 Long E 3 4.67 3.29 0.14 100.90 1.11 0.19 0.14 100.00 ROJECT STATIO 1.087 4.67 3.29 0.14 100.00 ROJECT STATIO CH/HOUR: 14 5 1 1 1 0.19 0.14 100.00 1 1 1 1 1 1 1 1 1 1 1 1 1	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP 1410
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 DEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Collorhinchus capensis Collorhinus galeus Thyrsites atun Genypterus capensis Lophius vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 DEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/NO Weight nu 1066.50 156.00 47.19 478.48 CATCH/NO 15.00 33.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 260 m Speet 125.02 CATCH/NO Weight nu 170.80 24.36 21.84 11.34 5.88 5.46	2000 52 52 8 24 4 132 132 4 132 132 132 132 132 132 132 132 132 132	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP 1410 1409
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophus vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorthinchus capensis Collorinichus galeus Thyrsites atun Genypterus capensis Lophus vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 DEDEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES Merluccius capensis, juveniles MYCTOPHIDAE Merluccius capensis, female Merluccius capensis, male Lolligoncula mercatoris SPECIES	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/NO Weight nu 1066.50 156.00 156.00 33.00 15.00 33.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code Gearcond. Validity 260 m Speet 125.02 CATCH/NO Weight nu 170.80 24.36 21.84 11.34 5.88 5.46 4.62 3.36	2000 52 52 8 8 24 4 12 132 4 14 12 14 14 12 14 14 12 14 15 15 18 16 42 15 15 16 42 15 15 10 15 10 15 10 10 15 10 15 10 15 10 10 15 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP 1410 1409
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Emmelichthys nitidus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY Start stop duration TIME :14:40:00 15:00:00 20 (min LOG : 928.30 929.50 1.20 TODETH: 135 143 DEEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Callorhinchus capensis Callorhincks capensis Collorpis eblana Galeorhinus galeus Thysites atun Genypterus capensis Lophius vomerinus Lolligoncula mercatoris Total DATE: 24/10/94 GEAR TY Start stop duration TIME 19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 DOTING dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES Merluccius capensis, juveniles MYCCOPHIDAE Merluccius capensis, female Merluccius capensis, female	2.16 1.88 1.48 0.68 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/HO weight nu 1066.50 15.00 67.08 47.19 45.00 33.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code GearCond. Validity 260 m Speet 125.02 CATCH/HO Weight nu 170.80 24.36 21.84 11.34 5.86 5.46 4.62	2000 52 52 8 24 4 132 24 4 12 132 4 12 7 4 12 7 8 7 8 30 0 6 7 8 30 156 6 3 30 0 7 8 39 507 7 8 39 507 7 8 507 7 8 507 7 8 20 4 20 4 20 4 20 4 20 4 20 4 20 4 20	0.37 0.32 0.26 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP 1410 1409
Paracallionymus costatus Zeus capensis Congiopodus spinifer Lophius vomerinus Sepia australis Lolligoncula mercatoris Coelorinchus fasciatus Merluccius capensis, juveniles Bathynectes piperitus Total DATE: 24/10/94 GEAR TY start stop duration TIME :14:40:00 52:00:00 20 (min LOG : 928.30 929.50 1.20 TDEPTH: 135 143 Towing dir: 340° Wire out: Sorted: 34 Kg Total catch: SPECIES Etrumeus whiteheadi Merluccius capensis Collorinichus gapensis Collorinichus gapensis Colligoncula mercatoris Total DATE: 24/10/94 GEAR TY start stop duration TIME :19:06:00 19:36:00 30 (min LOG : 953.60 955.20 1.60 FDEPTH: 83 83 DEPTH: 83 83 Towing dir: 330° Wire out: Sorted: 17 Kg Total catch: SPECIES Merluccius capensis, juveniles MYCOPHIDAE Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Lolligoncula mercatoris	2.16 1.88 1.48 0.78 0.64 0.52 0.40 0.30 0.04 579.66 PE: BT No:6 ) Purpose c Area code GearCond. Validity 500 m Speet 478.48 CATCH/NO Weight nu 1066.50 156.00 156.00 33.00 15.00 33.00 15.99 2.73 1.95 1435.44 PE: BT No: ) Purpose c Area code Gearcond. Validity 260 m Speet 125.02 CATCH/NO Weight nu 170.80 24.36 21.84 11.34 5.88 5.46 4.62 3.36	2000 52 52 8 8 24 4 12 132 4 14 12 14 14 12 14 14 12 14 15 15 18 16 42 15 15 16 42 15 15 10 15 10 15 10 10 15 10 15 10 15 10 10 15 10 15 10 10 10 10 10 10 10 10 10 10 10 10 10	0.37 0.32 0.26 0.13 0.12 0.11 0.09 0.07 0.05 0.01 	1404 N: 473 2812 1515 35.44 SAMP 1407 N: 474 2801 1533 50.04 SAMP 1410 1409

DATE: 25/10/94 GEAR TY	PE: BT No:7		JECT STATIO	
start stop duration			Long E	
TIME :06:29:00 06:59:00 30 (min LOG : 998.40 1000.10 1.70	) Purpose c Area code	:ode: 3 : :1		
FDEPTH: 125 126 BDEPTH: 125 126	GearCond. Validity			
Towing dir: 340° Wire out:	370 m Spee	d: 32 k	n*10	
Sorted: 31 Kg Total catch:	237.91	CATCH	/HOUR: 4	75.82
SPECIES	CATCH/HC	UR 1	OF TOT. C	SAMP
Merluccius capensis, juveniles	weight nu 147.00	unbers 3330	30.89	1414
Merluccius capensis, juveniles Merluccius capensis, female	147.00	1666	30.89	1412
Merluccius capensis, male Genypterus capensis	120.76 45.78	1800 210	25.38 9.62	1411 1413
Todarodes sagittatus Trachurus capensis	7.50 3.30	16 16	1,58 0,69	
Chelidonichthys capensis	3.16	16	0.66	
MYCTOPHIDAĒ Sepia australis	3.00 0.16	1890 16	0.63 0.03	
Sufflogobius bibarbatus	0.16	16	0.03	
Total	477.82		100.40	
		PRO	JECT STATIC	N: 476
start stop duration	PE: BT No:7		ION:Lat S Long E	1505
TIME :08:18:00 C8:48:00 30 (min LOG :1008.90 1010.60 1.70	<ul> <li>Purpose of Area code</li> </ul>			
FDEPTH: 159 167 BDEPTH: 159 167	GearCond	code:		
BDEPTH: 159 167 Towing dir: 250° Wire out:	Validity 480 m Spee	d: 33 k	n*10	
Sorted: 27 Kg Total catch:	139.50	CATCH	HOUR: 2	79.00
SPECIES				
	CATCH/H weight nu	unbers	OF TOT. C	
Merluccius capensis, male Merluccius capensis, female	106.50 98.50	1240 990	38.17 35.30	1415 1416
Merluccius capensis, female Merluccius capensis, juveniles	58.00	1360	20.79	1417
MYCTOPHIDAE Chelidonichthys capensis	5.30 3.20	2940 10	1.90 1.15	
Trachurus c <mark>apens</mark> is Sepia australis	3.10 2.10	20 100	1.11 0.75	
Thyrsites atun	1.40	10	0.50	
Lolligoncula mercatoris Sufflogobius bibarbatus	0.80	240 50	0.29	
Total	279.00		100.00	
start stop duration TIME :10:28:00 10:45:00 17 (min			ION:Lat S Long I	1453
start stop duration TIME :10:28:00 10:45:00 17 (min LOG :1021.40 1022.40 1.00 FDEFTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 %g Total catch:	<ul> <li>Purpose of Area code GearCond Validity</li> <li>850 m Spee</li> </ul>	code: 3 code: 1 code: code: ed: 32 k	Long I n*10	21453
TIME :10:28:00 10:45:00 17 (min Loc :1021.40 1022.40 1.00 FDEFTH: 285 300 BDEFTH: 285 300 Towing dir: 240* Wire out:	<ul> <li>Purpose of Area code GearCond Validity 850 m Spec 61.22</li> <li>CATCH/HK</li> </ul>	code: 3 e : 1 .code: code: code: ed: 32 k CATCH	Long I n*10	2 1453 216.07
TIME :10:28:00 10:45:00 17 (min LoC :1.221:40 1022:40 1.00 FDEPTH: 285 300 BDEPTN: 285 300 Towing dir: 240° Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius paradoxus, female	<ul> <li>Purpose of Area code GearCond Validity 850 m Spec 61.22</li> <li>CATCH/Ha weight m</li> </ul>	code: 3 e : 1 .code: code: code: ed: 32 k CATCH	Long I n*10 1/HOUR: 2 OF TOT. C	2 1453 216.07 SAMP
TIME :10:28:00 10:45:00 17 (min LoC :1221.40 1022.40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240* Wire out: Sorted: 61 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female	<ul> <li>Purpose of Area code GearCond Validity 850 m Spec 61.22</li> <li>CATCH/HK weight no 49.24 45.53</li> </ul>	code: 3 code: code: code: 2 k code: 2 k code: 2 k code: 12 k code: 10 k code:	Long 2 n*10 OF TOT. C 22.79 21.07	216.07 SAMP 1421 1419
TIME :10:28:00 10:45:00 17 (min LoC :1221:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240" Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, male	)) Purpose of Area code GearCond Validity 850 m Spee 61.22 CATCH/HK weight ni 49.24 45.53 38.65 25.06	code: 3 code: 1 code: code: ed: 32 k CATCH DUR 1 imbers 109	Long 2 n*10 V/HOUR: 2 0F TOT. C 22.79 21.07 17.89 11.60	216.07 SAMP 1421
TIME :10:28:00 10:45:00 17 (min LoC :1221:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male	)) Purpose of Area code GearCond Validity 850 m Spee 61.22 CATCH/HK weight n 49.24 45.53 38.65 25.06 13.13 9.53	code: 3 code:	Long 2 n*10 //HOUR: 2 0F TOT. C 22.79 21.07 17.89	216.07 SAMP 1421 1419 1422
TIME :10:28:00 10:45:00 17 (min LoG :1021.40 1022.40 1.00 FDEPTH: 285 300 DEPTH: 285 300 Towing dir: 240" Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri	)) Purpose of Area codi Gearcond Validity 850 m Spec 61.22 CATCH/HK weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22	Code: 3 code: code: code: 22 k CATCH DUR 1 mbers 109 42 18 21 32 85	Long 2 n*10 oF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LOG :1221:40 1022:40 1.00 PDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240" Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis	)) Purpose of Area cook GearCond Validity 850 m Spec 61.22 CATCH/H weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69	code: 3 code: 1 code: 2 code: 2 code: 32 k CATCH 0UR 1 imbers 109 42 18 21 32 85 678 4	Long 2 //HOUR: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.61 3.55	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, female Genypterus capensis, male Merluccius paradoxus, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus	Purpose of Area cosid GearCond Validity 850 m Spee 61.22 CATCH/HK Weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80	code: 3 code: 1 code: code: 2 k CATCH UUR CATCH 109 42 18 21 32 85 678 4 25 11	Long 2 n*10 VHOUR: 2 0F TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 3.61	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPFH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis Merluccius capensis Merluccius paradoxus, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todarodes sagittatus Epigonus denticulatus	)) Purpose of Area code GearCond Validity 850 m Spec 61.22 CATCH/HK weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38	Code: 3 code: 1 code: 2 code:	Long 2 n*10 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 3.61 3.56 1.93 0.95 0.64	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240" Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Collorinchus fasciatus Todarodes sagittatus Epişonus denticulatus Beryx splendens Galeus polli	Purpose of Area cook Gearcond Validity 850 m Spee 61.22 CATCH/HK weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 0.42	Code: 3 code: 1 code: 22 k CATCH DUR 1 109 42 18 85 679 4 25 11 388 4 7	Long 2 n=10 oF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 3.61 1.93 0.95 0.64 0.21 0.19	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240" Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, female Merluccius capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Epişonus denticulatus Beryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie	)) Purpose of Area cook GearCond Validity 850 m Spee 61.22 CATCH/H weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 0.42 0.35	code: 3 code: 2 code: 2 code: 32 k CATCH DUR 4 109 42 13 2 85 679 4 2 5 11 388 4 7 32 4 4 7 32 4	Long 2 n*10 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 3.61 3.56 1.93 0.95 0.64 0.21	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTW: 285 300 Toving dir: 240 Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis Merluccius capensis Merluccius capensis Merluccius capensis Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus Capensis Coelorinchus fasciatus Todarodes sagittatus Epigonus denticulatus Beryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile	Purpose of Area codi GearCond Validity 850 m Spee 61.22 CATCH/HK weight n 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.46 0.42 0.35	Code: 3 code: 2 code: 2 code: 2 code: 2 code: 2 code: 3 code: 4 code: 3 code: 3 code: 4 code: 3 code: 4 code: 3 code: 4 code:	Long 2 n*10 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.13	2 1453 216.07 SAMP 1421 1419 1422 1418
THE :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Toving dir: 240 Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius capensis, female Genypterus capensis Merluccius capensis Merluccius paradoxus, female Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus Gaensis Coelorinchus fasciatus Todarodes sagittatus Epigonus denticulatus Beryx splendens Galeus polli Bathynectes piperitus Ebinania costaccanarie Merluccius paradoxus, juvenile Sepia australis	Purpose of Area code GearCond Validity 850 m Spec 61.22 CATCH/HK weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 2.05 1.38 0.46 0.42 0.35 0.22 0.21	Code: 3 code: 2 code:	Long 2 n*10 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.61 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.13 0.10	2 1453 216.07 SAMP 1421 1419 1422 1418
THE :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Toving dir: 240 Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius capensis, female Genyterus capensis Merluccius capensis Merluccius capensis Merluccius capensis Merluccius paradoxus, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus Capensis Todarodes sagittatus Epigonus denticulatus Beryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile	Purpose of Area cosid GearCond Validity 850 m Spee 61.22 CATCH/HK Weight nu 49.24 45.53 38.65 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.42 0.35 0.35 0.28	Code: 3 code: 2 code:	Long 2 n*10 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.13	2 1453 216.07 SAMP 1421 1419 1422 1418
TIME :10:28:00 10:45:00 17 (min LoC :1221:40 1022:40 1.00 FDEPTH: 285 300 BDEPTN: 285 300 Towing dir: 240 Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis Merluccius capensis Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Epigonus denticulatus Dery splendens Galeus polli Bathymectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY Start stop duration	Purpose of Area codi GearCond Validity 850 m Spee 61.22 CATCH/HK weight m 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 62.05 1.38 0.42 0.35 0.28 0.21 214.51	Code: 3 code: code: code: 2 k cATCH 100R 4 21 32 85 678 4 21 32 85 678 4 21 388 4 7 7 7 7 7 9 0 9 87 4 7 7 7	Long 2 I/Hour: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.361 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.13 0.10 99.28 DJECT STATIC LONG 14 LONG 14	216.07 SAMP 1421 1419 1422 1418 1420
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TIME :10:23:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 DDEPTH: 285 300 Towing dir: 240 <sup>-</sup> Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todarodes sagittatus Epigonus denticulatus Deryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 CEAR TI start stop duration TIME :12:07:00 12:37:00 30 (min LOG :1030.00 1031.40 1.40 FDEPTH: 370 363	Purpose of Area codd GearCond Validity 850 m Spee 61.22 CATCH/HK weight n 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 0.42 0.35 0.35 0.28 0.21 214.51	Code: 3 code: 1 code: 2 code: 2 code: 32 k CATCH Umbers 109 42 13 32 85 678 42 21 32 85 678 42 5 11 388 4 7 7 7 7 7 9 0 9 0 9 10 2 11 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 21 32 85 678 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 85 678 32 10 32 10 32 85 678 32 10 32 10 32 10 32 10 32 10 32 10 32 85 678 32 10 10 10 10 10 10 10 10 10 10 10 10 10	Long 2 I/Hour: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.3.61 3.56 0.64 0.21 0.19 0.16 0.16 0.13 0.10 99.28 DJECT STATIC Long 1 2000 100 100 100 100 100 100 100 100 100	216.07 SAMP 1421 1419 1422 1418 1420
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TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis Merluccius capensis Merluccius paradoxus, male Selachophidium guentheri Sguilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Epigonus denticulatus Beryx splendens Caleus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY start stop duration TIME 12:07:00 30 (min LOG :1030.00 1031.40 1.40 FDEPTH: 370 363 Towing dir: 350° Wire out:	Purpose of Area cosis GearCond Validity 850 m Spee 61.22 CATCH/HK Weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.46 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 1 code: 2 code: 32 k cATCH 100 100 100 100 100 100 100 100 100 10	Long 2 I/HOUR: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.3.61 3.80 0.95 0.64 0.21 0.19 0.16 0.17 0.17 0.16 0	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>2418</li> <li>2746</li> <li>2746</li> <li>2746</li> <li>1448</li> <li>205.08</li> </ul>
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTW: 285 300 Towing dir: 240° Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis Merluccius capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Collorinchus fasciatus Todardes sagittatus Epigonus denticulatus Beryx splendens Caleus polli Bathynectes piperitus Ebinania costaceanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 CEAR TY Start stop duration TIME :12:07:00 30 (min LOG :1030.00 1031.40 1.40 FDEPTH: 370 363 BDEPTH: 370 363 Towing dir: 350° Wire out: Sorted: 158 %g Total catch:	Purpose of Area codd GearCond Validity 850 m Spee 61.22 CATCH/HK weight nn 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.42 0.35 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 2 code: 2 code: 2 code: 32 k CATCH UMDers 10 21 32 85 678 22 13 32 85 678 21 38 4 25 11 388 4 25 678 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 I/HoUR: 2 OF TOT. C 22.79 21.07 17.89 21.07 1.60 6.08 0.64 0.16 0.17 0.	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> </ul>
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Colorinchus fasciatus Todardes sagittatus Epigonus denticulatus Beryx splendens Caleus poli Bathynectes piperitus Ebinania costaccanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TI start stop duration TIME 12:07:00 30 (mir LoC :1030.00 1031:40 1.40 FDEPTH: 370 363 BDEPTH: 370 363 Towing dir: 350° Wire out: Sorted: 158 %g Total catch: SPECIES	Purpose of Area cost GearCond Validity 850 m Spee 61.22 CATCH/HK Weight nn 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.42 0.35 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 1 code: 2 code:	Long 2 I/HoUR: 2 OF TOT. C 22.79 21.07 17.89 21.07 17.89 11.60 6.08 4.41 3.80 0.56 1.93 0.95 0.64 0.21 0.19 0.16 0.13 0.10 99.28 DJECT STATIC ION:LAT 2 Long 1 	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1424</li> <li>1424</li> </ul>
TIME :10:28:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, female Merluccius capensis, female Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagitatus Epigonus denticulatus Deryx splendens Galeus polli Bathynettes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 CEAR TI start stop duration TIME :12:07:00 12:37:00 30 (mir LoG :1030.00 1031.40 1.40 FPEPTH: 370 363 BDEPTH: 370 363 Towing dir: 350° Wire out: Sorted: 158 Kg Total catch: SPECIES	Purpose of Area cond Validity 850 m Spee 61.22 CATCH/HK weight nn 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 0.42 0.35 0.35 0.28 0.21 214.51	Code: 3 code: 4 code: 2 code: 2 cod	Long 2 I/HOUR: 2 OF TOT. C 22.79 21.07 17.89 21.07 17.89 11.60 6.08 4.41 3.80 3.61 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.16 0.16 0.13 0.95 2.279 2.79 2.79 2.79 2.07 17.89 1.07 1.07 1.07 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.16 0.16 0.13 0.95 2.107 1.93 0.44 0.21 0.19 0.16 0.07 1.95 0.64 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.07 1.0	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> </ul>
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240 Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius capensis, female Genypterus capensis Merluccius capensis, female Genypterus capensis Merluccius capensis, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Total DATE:25/10/94 CEAR TI ESPIA dustralis Total DATE:25/10/94 CEAR TI LOC :1030.00 1031:40 1.40 FDEPTH: 370 363 EDEPTH: 370 363 Towing dir: 350° Wire out: Sorted: 158 %g Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis Merluccius paradoxus, female Coelorinchus fasciatus SPECIES	Purpose of Area codd GearCond Validity 850 m Spee 61.22 CATCH/HK weight nu 49.24 45.53 38.65 325.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.23 0.65 1.38 0.42 0.35 0.21 214.51 2	Code: 3 code: 4 code: 2 code: 2 code: 32 k cATCH 100 42 18 21 32 85 679 42 18 21 32 85 679 42 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 1 //HOUR: 2 OF TOT. C 22.79 21.07 17.89 21.07 19.38 0.64 0.16 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1424</li> <li>1424</li> </ul>
TIME :10:28:00 10:45:00 17 (min LoC :1021:40 1022:40 1.00 FDEPTH: 285 300 BDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 %g Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Colorinchus fasciatus Todardes sagittatus Epigonus denticulatus Beryx splendens Caleus paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY start stop duration TIME 12:07:00 30 (mir LOC :1030.00 1031.40 1.40 FDEPTH: 370 363 BDEPTH: 370 363 Toving dir: 350° Wire out: Sorted: 158 %g Total catch: SPECIES Merluccius paradoxus, female Gelovinchus capensis Merluccius paradoxus, female Genytery: 370 363 Toving dir: 350° Wire out: Sorted: 158 %g Total catch: SPECIES	Purpose of Area codd GearCond Validity 850 m Spee 61.22 CATCH/HK weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.42 0.35 0.21 214.51 Purpose of Area cod GearCond Validity 1100 m Spee 602.54 CATCH/HK weight nu 735.04 190.70 188.80 29.56 24.78 16.18 14.28	Code: 3 code: 4 code: 2 code: 2 code: 2 mbers 10 21 32 85 678 21 32 85 678 42 11 388 4 21 32 85 678 42 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 Long 2 //Hour: : OF TOT. C 22.79 21.07 17.89 2.10 0.16 0.13 0.10 99.28 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.10 2.10 1.	2 1453 216.07 SAMP 1421 1419 1422 1423 1420 0N: 478 5 2746 5 1448 205.08 SAMP 1424 1427 1423
TIME :10:23:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 DDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, female Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Deryx splendens Galeus polli Bathynettes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE:25/10/94 CEAR TI start stop duration TIME :12:07:00 12:37:00 30 (mir LoG :1030.00 1031.40 1.40 FPEPTH: 370 363 BDEPTH: 370 363 Towing dir: 350° Wire out: Sorted: 158 Kg Total catch: SPECIES Merluccius paradoxus, female Coelorinchus fasciatus Merluccius paradoxus, male Coelorinchus fasciatus Merluccius capensis, male PORTWINDEE	b) Purpose of Area codi GearCond Validity 850 m Spee 61.22 CATCH/HW weight nu 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 4.16 2.05 1.38 0.46 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 4 code: 2 code: 2 mbers 109 42 18 21 22 13 85 679 42 13 85 679 42 13 85 679 42 25 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 I/HOUR: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.95 0.64 0.21 0.19 0.16 0.16 0.16 0.16 0.13 0.95 0.64 0.21 0.95 0.64 0.21 0.95 0.64 0.13 0.95 0.64 0.13 0.95 0.64 0.13 0.10 99.28 DJECT STATIC Long 1 	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1427</li> <li>1423</li> <li>1426</li> </ul>
TIME :10:23:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 51 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, female Merluccius capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Dodarodes sagittatus Deiyanus denticulatus Deryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 CENR TY start stop duration TIME :12:07:00 12:37:00 30 (mir LoC :1030.00 1031.40 1.40 FDEPTH: 370 363 BDEPTH: 370 363 BDEPTH: 370 363 SPECIES Merluccius paradoxus, female Genypterus capensis Merluccius paradoxus, female Coelorinchus fasciatus Merluccius paradoxus, male Coelorinchus fasciatus Merluccius paradoxus, male Coelorinchus fasciatus Merluccius capensis, female Todarodes sagittatus Merluccius capensis, male PORTUNIDAE Nezumia sp. Hoplostethus cadenati	Purpose of Area codd GearCond Validity 850 m Spee 61.22 CATCH/HW weight m 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.38 0.46 0.42 0.35 0.28 0.21 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 214.51 215.04 215.50 215	Code: 3 code: 4 code: 2 code: 2 code: 4 mbers 109 42 18 21 32 85 679 42 13 88 4 25 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 Long 2 //Hour: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.95 0.64 0.13 0.19 0.16 0.16 0.13 0.10 99.28 DECT STATIC ION:Lat 2 Long 1 	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1427</li> <li>1423</li> <li>1426</li> </ul>
TIME :10:23:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 Towing dir: 240° Wire out: Sorted: 61 Kg Total catch: SFECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY Start stop duration TIME :12:07:00 1031.40 1.40 FDEPTH: 370 363 BDEPTH: 370 3	Purpose of Area codd Garea codd Validity 850 m Spee 61.22 CATCH/HK weight m 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 7.69 4.16 2.05 1.38 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 4 code: 2 code: 2 code: 32 k cATCH 100 42 18 21 32 85 679 42 13 85 679 42 13 85 679 42 13 85 679 42 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 I/HOUR: 2 OF TOT. C 22.79 21.07 17.89 21.07	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1427</li> <li>1423</li> <li>1426</li> </ul>
TIME :10:23:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 Towing dir: 240 Wire out: Sorted: 51 Xg Total catch: SPECIES Merluccius paradoxus, female Merluccius capensis, female Genypterus capensis, male Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todardes sagittatus Epigonus denticulatus Berry splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY Start stop duration TIME :12:07:00 12:37:00 30 (mir LOG :1030.00 1031.40 1.40 FPEFTH: 370 363 Towing dir: 350* Wire out: Sorted: 158 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis Merluccius paradoxus, male Coelorinchus fasciatus Merluccius paradoxus, female Genypterus capensis Merluccius capensis Merluccius capensis Merluccius capensis, female Genypterus capensis, male Coelorinchus fasciatus Merluccius capensis, male Coelorinchus fasciatus Merluccius capensis, male Merluccius capensis, male Coelorinchus fasciatus Merluccius capensis, male Merluccius capensis	Purpose of Area cosd GearCond Validity 850 m Spee 61.22 CATCH/HK weight m 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.80 7.69 4.16 2.05 1.3.8 0.28 0.21 214.51 215 214.51 215 215 215 215 215 215 215 215 215 2	Code: 3 code: 3 code: 4 code: 4 cod	Long 2 I/HoUR: 2 OF TOT. C 22.79 21.07 17.89 11.60 6.08 4.41 3.80 0.3.61 3.56 1.93 0.95 0.64 0.21 0.19 0.16 0.16 0.13 0.10 99.28 DJECT STATIC ION:LAT 2 Long 1 	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1427</li> <li>1423</li> <li>1426</li> </ul>
THE :10:28:00 10:45:00 17 (min LoC :1021.40 1022.40 1.00 FDEPTH: 285 300 Towing dir: 240' Wire out: Sorted: 61 Kg Total catch: SPECIES Merluccius paradoxus, female Genypterus capensis, female Genypterus capensis, female Merluccius capensis, female Deepwater fish mixture Merluccius paradoxus, male Selachophidium guentheri Squilla sp. Callorhinchus capensis Coelorinchus fasciatus Todarodes sagittatus Epigonus denticulatus Beryx splendens Galeus polli Bathynectes piperitus Ebinania costaecanarie Merluccius paradoxus, juvenile Sepia australis Total DATE: 25/10/94 GEAR TY start stop duration TIME :12:07:00 10:37:00 30 (mir LoC :1030.00 1031.40 1.40 FDEPTH: 370 363 BDEPTH: 370 363 BDEPT	Purpose of Area codd Garea codd Validity 850 m Spee 61.22 CATCH/HK weight m 49.24 45.53 38.65 25.06 13.13 9.53 8.22 7.69 7.69 4.16 2.05 1.38 0.42 0.35 0.28 0.21 214.51	Code: 3 code: 4 code: 2 code: 2 code: 32 k cATCH 100 42 18 21 32 85 679 42 13 85 679 42 13 85 679 42 13 85 679 42 11 388 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Long 2 I/HOUR: 2 OF TOT. C 22.79 21.07 17.89 21.07	<ul> <li>2 1453</li> <li>216.07</li> <li>SAMP</li> <li>1421</li> <li>1419</li> <li>1422</li> <li>1418</li> <li>1420</li> <li>1420</li> <li>1420</li> <li>205.08</li> <li>SAMP</li> <li>1424</li> <li>1427</li> <li>1423</li> <li>1426</li> </ul>

Total

	-		-	Mar. 17		-				130 10 4	
2747	S	ON:Lat	POST	ND:/	: BI	TIP	GEA			/10/94	DATE: 2
1440	Е	Long				n	duratio	top	t s'	start	
			code:	pose	Pur	min)	30	:48:00	00 14	14:18:0	TIME
			le :	a cod	Are		1.60	43.80	0 10	1042.20	LOG
			l.code:	rCond	Gea			414	4	424	FDEPTH
			code:	idity	Val			414	4	424	BDEPTH
		*10	ed: 30	Spe	CO m	ut:12	Wire o	335*	dir:	Towing	

Sorted: 82 Kg Total catch:	391.46	CATC	H/HOUR: 7	82.92
SPECIES	CATCH/HO weight nu	UR mbers	• OF TOT. C	SAMP
Merluccius paradoxus, female	408.20	1256	52.14	1429
Merluccius paradoxus, male	225.34	840	28.78	1429
Coelorinchus fasciatus	52.40	1160	6.69	1420
	30.30	16	3.87	1430
Genypterus capensis	30.00	10	3.83	1430
Hexanchus gríseus Todarodes sagittatus	12.98	44	1.66	
Lophius vomerinus	8,72	2	1.11	1431
Raja confundens	6.06	8	0.77	1431 -
Helicolenus dactylopterus	4.24	34	0.54	
Galeus polli	4.24	18	0.22	
	1.48	148	0.22	
Nezumia sp.	0.50	78		
Photichthys argenteus		78	0.06	
Trachyrincus scabrus	0.44		0.06	
Parapenaeus longirostris	0.26	148	0.03	
Malacocephalus laevis	0.18	8	0.02	
Hoplostethus cadenati	0.08	8	0.01	
Total	782.92		99.98	
DATE: 25/10/94 GEAR TY	PE: ET No:7		OJECT STATIO	
start stop duration	FD. DI NO./	FUSI	Long S	
TIME :16:11:00 16:41:00 30 (min	) Purpose c	ode.	3	1424
LCG :1051.20 1052.80 1.60	Area code			
FDEPTH: 500 500			-	
	GearCond.	code:		
	GearCond. Validity			
BDEPTH: 500 500	GearCond. Validity 1400 m Spee	code:	kn*10	
BDEPTH: 500 500	Validity 1400 m Spee	code: d: 32		39.68
BDEPTH: 500 500 Towing dir: 340° Wire out:	Validity 1400 m Spee 469.84 CATCH/HO	code: d: 32 CATC		39.68 SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES	Validity 1400 m Spee 469.84 CATCH/HO weight nu	code: d: 32 CATC UR mbers	CH/HOUR: 9	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34	CATC CATC UR mbers 1190	CH/HOUR: 9 % OF TOT. C 59.74	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34	CATC CATC OUR mbers 1190 558	CH/HOUR: 9 • OF TOT. C 59.74 23.55	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 40.80	CATC CATC UR Imbers 1190 558 96	CH/HOUR: 9 OF TOT. C 59.74 23.55 4.34	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagitatus Coelorinchus braueri	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34 40.80 30.06	code: d: 32 CATC UR mbers 1190 558 96 394	CH/HOUR: 9	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CSHMAERIDAE	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34 40.80 30.06 18.84	code: d: 32 CATC UR mbers 1190 558 96 394 20	CH/HOUR: 9 OF TOT. C 59.74 23.55 4.34 3.20 2.00	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34 40.80 30.06 18.84 13.26	Code: d: 32 CATC UR mbers 1190 558 96 394 20 14	CH/HOUR: 9 4 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41	SAMP
BDEPTH: 500 500 Towing dir: 340" Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHMAERIDAE Deania profundorum Nezunia sp.	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34 40.80 30.06 18.84 13.26 12.10	Code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496	CH/HOUR: 9 * OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis	Validity 1400 m Spee 469.84 CATCH/HO weight nu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52	Code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496 48	CH/HOUR: 9	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Genypterus capensis	Validity 1400 m Spee 469.84 CATCH/H0 weight nu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10	Code: d: 32 CATC UR mberss 1190 558 96 394 20 14 496 48 2	CH/HOUR: 9 • OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.97	SAMP
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHHMERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus	Validity 1400 m Spee 469.84 CATCH/HO weight m561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48	code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496 48 2 96	CH/HOUR: 9 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.97 0.80	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Goenyterus capensis Coelorinchus fasciatus Helicolenus dactylopterus	Validity 1400 m Spee 469.84 CATCH/H0 weight nu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48 3.20	Code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496 48 2 96 34	<pre>H/HOUR: 9</pre>	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Mezunia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecamarie	Validity 1400 m Spee 469.84 CATCH/HO veight mu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48 3.20 3.06	code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496 48 2 96 34 20	<pre>H/HOUR: 9</pre>	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarcdes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezumia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecanarie Selachophidium guentheri	Validity 1400 m Spee 469.84 CATCH/H0 Weight nu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48 3.20 3.06 2.18	Code: d: 32 CATC UR mbers 1190 558 96 394 20 14 496 48 2 96 34	<pre>H/HOUR: 9</pre>	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus datylopterus Ebinania costaecamrie Selachophidium guentheri MACROGRIDAE	Validity 1400 m Spee 469.84 CATCH/HO weight mu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.52 9.10 7.48 3.20 2.18 3.20 2.18 1.50	Code: d: 32 CATC UR mbers 1190 558 96 394 200 14 496 48 29 6 34 20 34 20 34	H/HOUR: 9 4 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.97 0.60 0.34 0.33 0.23 0.16	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezumia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecanarie Selachophidium guntheri MACROURIDAE Galeus polli	Validity 1400 m Spee 469.84 CATCH/HO Weight m561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 9.52 9.10 9.52 9.10 3.06 2.18 1.50 1.36	code: d: 32 CATC UR mberss 1190 558 96 394 20 14 496 34 20 34 20 34 15 20 14	CH/HOUR: 9 % OF TOT. C 59.74 23.55 4.34 3.20 1.01 0.60 0.34 0.33 0.23 0.16 0.14 1.01 0.34 0.33 0.23 0.16 0.14	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340" Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHMAERIDAE Deania profundorum Mezunia sp. Malacocephalus laevis Genyterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecanarie Selachophidium guentheri MACROURICAE Galeus polli Notacanthus sexspinis	Validity 1400 m Spee 469.84 CATCH/H0 Weight mu 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48 3.06 2.18 1.50 1.36 1.50 1.36 1.22	code: d: 32 CATC UR mberss 1190 558 96 394 20 14 496 48 2 96 34 20 34 150 14 150 14	<pre>H/HOUR: 9 4 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.97 0.60 0.34 0.33 0.23 0.16 0.14 0.13</pre>	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecansie Selachophidium guentheri MACROURIDAE Galeus polli Notacanthus sexspinis MYCTOPHIDAE	Validity 1400 m Spee 469.84 CATCH/HO Weight m561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 9.52 9.10 9.52 9.10 3.06 2.18 1.50 1.36	code: d: 32 CATC UR mberss 1190 558 96 394 20 14 496 34 20 34 20 34 15 20 14	CH/HOUR: 9 % OF TOT. C 59.74 23.55 4.34 3.20 1.01 0.60 0.34 0.33 0.23 0.16 0.14 1.01 0.34 0.33 0.23 0.16 0.14	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340" Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagitatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Mezunia sp. Malacocephalus laevis Genyterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecansrie Selachophidium guentheri MACROURIDAE Galeus polli Notacantus sexpinis MYCTOPHIDAE Photichthys argenteus	Validity 1400 m Spee 469.84 CATCH/H0 561.34 221.34 40.80 30.06 18.84 13.26 12.10 9.52 9.10 7.48 3.20 7.48 3.20 7.48 3.20 1.36 1.36 1.22 1.16	code: d: 32 CATC UUR mbberss 1190 558 966 394 200 144 496 488 2966 488 29 96 344 200 34 150 14 150 14	CH/HOUR: 9 4 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.60 0.34 0.33 0.33 0.23 0.16 0.14 0.14 0.13 0.12	SAMP 1433 1432
BDEPTH: 500 500 Towing dir: 340° Wire out: Sorted: 136 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Todarodes sagittatus Coelorinchus braueri CHIMAERIDAE Deania profundorum Nezunia sp. Malacocephalus laevis Genypterus capensis Coelorinchus fasciatus Helicolenus dactylopterus Ebinania costaecansie Selachophidium guentheri MACROURIDAE Galeus polli Notacanthus sexspinis MYCTOPHIDAE	Validity 1400 m Spee 469.84 CATCH/MO weight nu 561.34 221.34 40.80 30.06 30.06 32.84 13.26 12.10 9.52 9.52 9.10 7.48 3.06 2.18 1.50 1.36 1.22 1.16 0.88	code: d: 32 CATC UR mbers 1190 558 96 394 200 14 496 48 2 96 34 20 34 150 14 116 258 74	H/HOUR: 9 4 OF TOT. C 59.74 23.55 4.34 3.20 2.00 1.41 1.29 1.01 0.97 0.60 0.34 0.33 0.23 0.16 0.14 0.13 0.12 0.09	SAMP 1433 1432

	P	ROJECT STATION	1. 481
DATE: 25/10/94 GEAR T		TION:Lat S	
start stop duration	FE: BI NO.7 F03.	Long E	
	) Purpose code:		1442
LOG :1065.10 1066.60 1.50	Area code :		
FDEPTH: 350 346	GearCond.code:	1	
	Validity code:	h-+10	
Towing dir: 340° Wire out:	1050 m speed: 31	kn*10	
Sorted: 100 Kg Total catch	549.64 CAT	CH/HOUR: 109	9.28
SPECIES	CATCH/HOUR	& OF TOT. C	SAMP
	weight numbers		
Merluccius paradoxus, female	475.96 4010	43.30	1440
Merluccius paradoxus, male	293.56 2432	26.70	1439
Coelorinchus fasciatus	115.90 2148	10.54	
Merluccius paradoxus, juvenile	70.30 1710	6.40	1438
Merluccius paradoxus, female	42.50 64	3.87	1436
Merluccius capensis, female	37,06 38	3,37	1437
Genypterus capensis	24.60 18	2.24	1441
Todarodes sagittatus	19.80 42	1.80 .	
Merluccius paradoxus, male	7.60 20	0.69	1435
Bathynectes piperitus	6.46 228	C.59	
Cynoglossus capensis	2.10 20	C.19	
Galeus polli	2.10 38		
Helicolenus dactylopterus	1.34 20	0.12	

Total

Total

939.68

99.98

	PROJECT STATION: 482
DATE: 25/10/94 GEAR TY	PE: BT No:7 POSITION:Lat S 2731
start stop duration	Long E 1422
	<ol> <li>Purpose code: 3</li> </ol>
LOG :1085.90 1087.50 1.60	Area code : 1
FDEPTH: 561 545	GearCond.code:
BDEPTH: 561 545	Validity code:
Towing dir: 330° Wire out:	1550 m Speed: 30 kn*10
Sorted: 50 Kg Total catch:	201.36 CATCH/HOUR: 402.72
SPECIES	CATCH/HOUR & OF TOT. C SAMP
	weight numbers
Merluccius paradoxus, female	244.40 472 60.69 1443
Trachyrincus scabrus	37.76 1200 9.38
Nezumia sp.	36.32 1408 9.02
Merluccius paradoxus, male	34.80 96 8.64 1442
Galeus polli	18.48 200 4.59
Malacocephalus laevis	9.92 80 2.46
Deania profundorum	7.52 16 1.87
Selachophidium guentheri	3.28 192 0.81
Hoplostethus cadenati	3.28 192 0.81
Ebinania costaecanarie	0.96 24 0.24
Lamprogrammus exutus	0.64 16 0.16
Photichthys argenteus	0.56 72 0.14
Raja confundens	0.48 8 0.12
Yarrella blackfordi	0.24 32 0.06 0.16 8 0.04
Notacanthus sexspinis Raja leopardus	0.16 8 0.04
Reja reoperuus	0.16 8 0.04
Total	398.96 99.07

	PROJECT ST	ATION: 483
DATE: 25/10/94	GEAR TYPE: BT No:7 POSITION:Lat	: S 2728
start stop	duration Lon	ng E 141
TIME :23:15:00 23:45:00	0 30 (min) Purpose code: 3	-
LOG :1091.90 1093.50	1.60 Area code : 1	
FDEPTH: 630 631	GearCond.code:	
BDEPTH: 630 631	Validity code:	
Towing dir: 330"	Wire out:1650 m Speed: 31 kn*10	
Sorted: 20 Kg To	otal catch: 328.36 CATCH/HOUR:	656.72

SPECIES	CATCH	/HOUR	% OF TOT. C	SAMP
	weight	numbers		
Coelorinchus braueri	257.40	3834	39.19	
Merluccius paradoxus, female	215.70	334	32.85	1445
Centrophorus squamosus	35.00	4	5.33	
Merluccius paradoxus, male	30.50	66	4.64	1444
Nezumia sp.	25.92	828	3.95	
Todarodes sagittatus	17.64	36	2.69	
Deania profundorum	15.20	6	2.31	
Etmopterus lucifer	14.76	144	2.25	
CHIMAERIDAE	12.06	18	1.84	
Galeus polli	6.84	72	1.04	
Trachurus capensis	5.04	18	0.77	
Trachyscorpia capensis	4.14	36	0.63	
Notacanthus sexspinis	3.60	18	0.55	
Ebinania costaecanarie	3.42	18	0.52	
Bassanago albescens	3.24	18	0.49	
Cruriraja parcomaculata	3.20	2	0.49	
Selachophidium guentheri	1.80	18	0.27	
MYCTOPHIDAE	0.72	486	0.11	
ARISTEIDAE	0.36	144	0.05	
PENAEIDAE	0.18	90	0.03	
Total	656.72		100,00	

		PROJECT STA	TION: 484
DATE:26/10/94	GEAR TYP	E: BT No:7 POSITION:Lat	S 2727
start	stop duration	Long	E 1419
TIME :06:31:00	07:01:00 30 (min)	Purpose code: 3	
LOG :1111.60	1113.10 1.50	Area code : 1	
FDEPTH: 503	504	GearCond.code:	
BDEPTH: 503	504	Validity code:	
Towing d	ir: 330° Wire out:14	00 m Speed: 30 kn*10	
Sorted: 60 K	g Total catch:	124.35 CATCH/HOUR:	248.70
		•	

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	101.70	248	40.89	1447
Merluccius paradoxus, male	36.00	90	14.48	1446
Galeus polli	23.86	270	9.59	
Trachyrincus scabrus	21.78	658	8.76	
Todarodes sagittatus	21.64	58	8.70	
Lophius vomerinus	13.20	2	5.31	1449
Genypterus capensis	5.80	2	2.33	1448
Nezumia sp.	3.92	234	1.58	
Malacocephalus laevis	3.70	28	1.49	
Epigonus denticulatus	3.46	40	1.39	
Selachophidium guentheri	2.92	40	1.17	
Coelorinchus fasciatus	2.62	22	1.05	
Deepwater fish mixture	2.08		0.84	
MYCTOPHIDAE	1.36	676	0.55	
Raja leopardus	1.08	4	0.43	
SCYLIORHINIDAE	1.04	4	0.42	
Etmopterus lucifer	0.94	4	0.38	
Ebinania costaecanarie	0.86	14	0.35	
Dicrolene intronigra	0.28	. 10	0.11	
Photichthys argenteus	0.22	18	0.09	
SQUALIDAE	0.14	10	0.06	
Aristeus varidens	0.10	14	0.04	
Total	248.70		100.01	

								P	ROJ	ECI	STA:	FION	: 485	
DATE: 26	5/10/94			GE	AR TYPE:	: BT	No:7	POS	ITI	ON:	Lat	S	2726	
	star	t s	top	durat:	ion						Long	E	1424	
TIME	08:32:	00 09	:02:00	30	(min)	Purp	ose o	code:	3		-			
LOG	1120.9	0 11	22.50	1.60		Area	code	e :	1					
FDEPTH:	42	0	423			Gear	Cond	.code:						
BDEPTH	42	0	423			Vali	dity	code:						
	Towing	dir:	330"	Wire	out:120	)) m	Spee	ed: 30	kn	*10	1			
Sorte	d: 130	Kg	Тс	tal c	atch:	740	.94	CAT	сн/	нос	JR:	148	1.88	
PECIES						CAT	сн/н	JUR		OF	тот.	c	SAMP	

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	767.46	3240	51.79	1451
Merluccius paradoxus, male	375.30	1656	25.33	1450
Coelorinchus fasciatus	167.12	2538	11.28	
Genypterus capensis	58.00	22	3.91	1453
Merluccius capensis, female	34.02	14	2.30	1452
Helicolenus dactylopterus	23.02	118	1.55	
Todarodes sagittatus	18.04	44	1.22	
Galeus polli	14.52	162	0.98	
Lophius vomerinus	10.90	4	0.74	1454
Nezumia sp.	3.22	278	0.22	
Raja confundens	3.08	14	0.21	
MYCTOPHIDAE	2.64	1818	0.18	
Hoplostethus atlanticus	1.62	30	0.12	
Aristeus varidens	1.02	718	0.07	
Trachyrincus scabrus	0.74	14	0.05	
Epigonus denticulatus	0.58	118	0.04	
Total	1481.28		99.98	

		PRO	JECT STATIO	1: 486
DATE: 26/10/94 GEAR	TYPE: BT No:	7 POSITI	ION:Lat S	2726
start stop duration	<b>1</b>		Long E	1430
TIME :10:40:00 11:10:00 30 ()	nin) Purpose	code: 3	-	
LOG :1132.40 1133.90 1.50	Area co	de :1		
FDEFTH: 380 380	GearCon	d.code:		
BDEPTH: 380 380	Validit	v code:		
Towing dir: 330" Wire or			*10	
Sorted: 161 Kg Total cat	ch: 849.78	CATCH	HOUR: 16	99.56
SPECIES	CATCH/	HOUR 1	OF TOT. C	SAM
	weight	numbers		
Merluccius paradoxus, female	1098.16	3628	64.61	1456
Merluccius paradoxus, male	445.20	1748	26.20	1455
Coelorinchus braueri	118.16	1042	6.95	
Merluccius capensis, female	11.68	8	0,69	1458
Genvpterus capensis	9.20	6	0.54	1459
denipectus capcusis	2.20	~~~	0,04	

Merracerus capensis, remare	11.00	0	0.09	1410
Genypterus capensis	9.20	6	0,54	1459
Todarodes sagittatus	5,72	22	0.34	
Merluccius capensis, male	3.38	2	0.20	1457
Helicolenus dactylopterus	3.14	22	0.18	
MYCTOPHIDAE	1.90	516	0.11	
Bathynectes piperitus	1.46	56	0.09	
Galeus polli	1.00	22	0.06	
PENAEIDAE	0,34	156	0.02	
Epigonus denticulatus	0.22	112	0.01	
m			100.00	
Total	1699.56		100.00	

	P	ROJECT STATION	1: 487
DATE: 26/10/94 GEAR TY	PE: BT No:7 POS	ITION:Lat S	2725
start stop duration		Long E	1439
TIME :12:55:00 13:25:00 30 (min	) Purpose code:	3	
LOG :1145.80 1147.40 1.60	Area code :	1	
FDEPTH: 335 333	GearCond.code:		
BDEPTH: 335 333	Validity code:		
Towing dir: 360" Wire out:	1050 m Speed: 32	kn*10	
Sorted: 91 Kg Total catch:	929.76 CAT	CH/HOUR: 185	9.52
SPECIES	CATCH/HOUR	& OF TOT. C	SAMP
	weight numbers		
Merluccius paradoxus, female	948.66 5108	51.02	1463
Merluccius paradoxus, male	486.52 2750		1462
Trachurus capensis	213.52 682	11.48	1464
Merluccius capensis, female	64.20 54		1461
Galeus polli	35.30 488		
Coelorinchus fasciatus	28.46 566		
Bathynectes piperitus	23.78 506		
Helicolenus dactylopterus	21.24 254		
Genypterus capensis	14.16 8		1465
MYCTOPHIDAE	11.30 4524		
Malacocephalus laevis	4.88 20		
Merluccius capensis, male	3.40 4		1460
LOLIGINIDAE	3.12 38		
PENAEIDAE	0.98 390	0.05	
Total .	1859.52	99.99	

					PROJECT STAT	TON	: 488
DATE:	26/10/94		GEAR TY	PE: BT No:7	POSITION:Lat	s	2722
	start	stop	duration		Long	Е	1446
TIME	:14:47:00	15:17:00	30 (min	> Purpose co	ode: 3		
LOG	:1156.40	1158.10	1.70	Area code	: 1		
FDEPT	H: 291	292		GearCond.c	:ode:		
BDEPTI	H: 291	292		Validity o	code:		
	Towing d	Lr: 340*	Wire out:	950 m Speed	l: 32 kn*10		

Sorted: 185 Kg Total catc	h: 2684.9	3 CATO	CH/HOUR:	536	9.86
SPECIES	CATCH	/HOUR	• OF TOT.	с	SAMP
	weight	numbers			
Trachurus capensis	4373.30	14602	81.4	4	1468
Merluccius paradoxus, female	593.02	4126	11.0	4	1467
Merluccius paradoxus, male	118.32	1154	2.2	20	2466
Brama brama	70.12	58	1.3	1	
Galeus polli	63.20	722	1.1	.8	
Todarodes sagittatus	47.32	116	0,8	88	
Coelorinchus fasciatus	31.74	1184	0.5	59	
Merluccius capensis, female	19.40	30	0.3	86	1470
Helicolenus dactylopterus	15.58	144	0.2	29	
PORTUNIDAE	11.54	548	0.2	21	
MYCTOPHIDAE	10.68	7012	0.2	20	
Malacocephalus laevis	8.94	28	0.1	17	
Merluccius capensis, male	6.70	14	0.1	2	1469
Total	5369.86		99.9	9	

		DJECT STATION	
DATE: 26/10/94 GEAR TY	PE: BT No:7 POSI	FIGN:Lat S	2718
start stop duration		Long E	1453
	Purpose code:	3	
LOG :1168.50 1170.00 1.50	Area code :	1	
FDEFTH: 214 218	GearCond.code:		
BDEPTH: 214 218	Validity code:		
Towing dir: 345° Wire out:	m Speed:700 ]	kn*10	
Sorted: 74 Kg Total catch:	461.38 CATC	H/HOUR: 92	22.76
SPECIES		OF TOT. C	SAMP
	weight numbers		
Merluccius capensis, female	306.00 2108	33.16	1478
Merluccius capensis, male	289.00 2398	31.32	1477
Merluccius paradoxus, juvenile	131.76 2976	14.28	1471
Merluccius paradoxus, female	40.24 680	4.36	1472
Callorhinchus capensis	35.30 22	3.83	
Squalus megalops	30.60 52	3.32	
Raja leopardus	27.38 34	2.97	
Trachurus capensis	26.70 102	2.89	1476
Chelidonichthys capensis	9.18 18	0.99	
Todarodes sagittatus	8.84 18	0.96	
Lophius vomerinus	4.54 4	0.49	1474
Coelorinchus fasciatus	4.08 340	0.44	
Genypterus capensis	3.48 14	0.38	1473
Sufflogobius bibarbatus	2.90 34	0.31	
Austroglossus microlepis	2.76 6	0.30	1475

Total

		DI	OJECT STAT	NTON- 4
51.00 AC (20.404				
	PE: BT No:	/ PUSI		
start stop duration			Long	E 15
TIME :18:38:00 19:08:00 30 (min	<ol> <li>Purpose</li> </ol>	code:	3	
LOG :1179.50 1181.20 1.70	Area co	de :	1	
FDEPTH: 159 159	GearCon	d.code:		
BDEPTH: 159 159	Validit	v code:		
Towing dir: 330" Wire out:			kn*10	
Sort <del>e</del> d: 28 Kg Total catch:	170.22	CATO	H/HOUR:	340.4
SPECIES	CATCH/	HOUR	S OF TOT.	C SA
	weight :	numbers		
Merluccius capensis, female	156.60	1884	46.0	0 14
Merluccius capensis, male	100.80	1632	29.6	1 14
Merluccius capensis, juveniles	66.60	1476	19.5	6 14
Genypterus capensis	9.84	36	2.8	
oculpectus expension				

	werduc	numbers		
Merluccius capensis, female	156.60	1884	46.00	1480
Merluccius capensis, male	100.80	1632	29.61	1479
Merluccius capensis, juveniles	66.60	1476	19.56	1481
Genypterus capensis	9.84	36	2.89	1482
Trachurus capensis	5.28	24	1.55	
MYCTOPHIDAE	0.72	420	0.21	
Sufflogobius bibarbatus	0.60	72	0.18	
Total	340.44		100.00	

	PROJECT STATION: 491
DATE: 27/10/94 GEAR TYPE	: BT No:7 POSITION:Lat S 2654
start stop duration	Long E 1455
TIME :06:33:00 C7:03:00 30 (min)	Purpose code: 3
LOG :1220.40 1222.00 1.60	Area code : 1
FDEPTH: 159 158	GearCond.code:
BDEPTH: 159 158	Validity code:
Towing dir: 350* Wire out: 40	30 m Speed: 33 kn*10
Sorted: 30 Kg Total catch:	1594.77 CATCH/HOUR: 3189.54
SPECIES	CATCH/HOUR & OF TOT. C SAMP

Merluccius capensis, male Merluccius capensis, female Merluccius capensis, juveniles Sufflogobius bibarbatus	weight 1574.10 1537.00 76.32 2.12	numbers 23002 18656 1696 106	49.35 48.19 2.39 0.07	1483 1484 1485
Total	3189.54	200	100.00	

										P	ROJECT	STA:	FICN	: 492
DATE: 2	7/10	/94			GE	AR TY	PE: B	T NO:	7	POS	ITION:	Lat	s	2655
	Ś	tart	st	cop	durat	ion						Long	E	1444
TIME	:08:	30:0	0 09	:00:00	30	(min	) Pu	rpose	cod	le :	3			
LOG	:123	2.30	12	34.00	1.70		Ar	ea co	de	:	1			
FDEPTH	:	217		227			Ge	arCon	d.co	de:				
BDEPTH	:	217		227			٧a	lidit	y co	de:				
	Tow	ing	dir:	280°	Wire	out:	640	m Sp	eed;	32	kn*10	1		
Sort	ed:	84	Kg	То	tal c	atch:		84.45		CAT	сн/нос	JR:	16	8.90
DECTES							~	ATCH/	UOUE	,	1 05	<b>70</b> 00	c	SAMP

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	68.80	250	40.73	1487
Merluccius capensis, male	32.70	196	19.36	1486
Callorhinchus capensis	12.20	6	7.22	
Sufflogobius bibarbatus	11.48	1688	6.80	
Raja straeleni	9.40	4	5.57	
Lophius vomerinus	6.50	6	3.85	1488
Squalus megalops	4.56	8	2.70	
Merluccius paradoxus, female	4.20	30	2.49	1492
RAJIDAE	4.00	2	2.37	
MYCTOPHIDAE	3.98	2736	2.36	
Coelorinchus fasciatus	2.42	152	1.43	
Trachurus capensis	1.96	8	1.16	1491
Genypterus capensis	1.80	10	1.07	1489
Galeus polli	1.58	34	0.94	
Todarodes sagittatus	1.54	12	0.91	
Merluccius paradoxus, juvenile	1.28	32	0.76	1493
Austroglossus microlepis	0.50	2	0.30	1490
Total	168.90		100.02	

		PROJECT STATION: 493
DATE: 27/10/94	GEAR TYPE: BT No:7	POSITION:Lat S 2657
start sto	o duration	Long E 1434
TIME :10:29:00 10:5	9:00 30 (min) Purpose co	de: 3
LOG :1242.50 122	10 1.60 Area code	: 1
FDEPTH: 283	289 GearCond.c	:ode :
BDEPTH: 283	289 Validity c	:ode :
Towing dir: 2	30° Wire out: 820 m Speed	: 30 kn*10
Sorted: 100 Kg	Total catch: 205.15	CATCH/HOUR: 410.30

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	95.70	82	23.32	1495
Merluccius paradoxus, female	78.50	930	19.13	1497
Merluccius paradoxus, juvenile	74.60	2000	18.18	1498
YCTOPHIDAE	32.10	16900	7.82	
Saleus polli	26.70	370	6.51	
Coelorinchus fasciatus	25.90	820	6.31	
Lophius vomerinus	19.70	6	4.80	1501
Merluccius paradoxus, male	19.50	220	4.75	1496
Senypterus capensis	24.00	12	3.41	1499
Merluccius capensis, male	12.40	16	3.02	1494
Austroglossus microlepis	5.40	4	1.32	1500
Todarodes sagittatus	2.90	10	0.71	
Trachurus capensis	2.10	10	0.51	
Squilla sp.	2.00	180	0.49	
Sufflogobius bibarbatus	0.50	120	0.12	
Bathynectes piperitus	0.30	10	0.07	
Total	412.30		100.47	

DATE: 27/10/94 R TY	PE: BT No:7		ECT STATIO ON:Lat S		DATE: 27/10/94
start stop duration TIME :12:19:00 12:49:00 30 (min			Long E		start sto TIME :20:09:00 20:
LOG :1252.40 1254.00 1.60	Area cod	le : 1			LOG :1294.30 129
FDEPTH: 335 342 BDEPTH: 335 342	GearCond Validity	code:			FDEPTH: 585 BDEPTH: 585
Towing dir: 280° Wire out:	1000 m Spe	ed: 32 kn	*10		Towing dir:
Sorted: 210 Kg Total catch:	305.70	CATCH/	HOUR: 6	11.40	Sorted: 145 Kg
					SPECIES
SPECIES		NUR %	OF TOT. C	SAMP	Merluccius paradoxus, fe
Merluccius paradoxus, female	180.12 119.00	350 3178	29.46 19.46	1504	Deania calcea Trachyrincus scabrus
Coelorinchus fasciatus Merluccius capensis, female	115.80	58	18.94	1503	Nezumia sp.
Bathynectes piperitus Genypterus capensis	53.06 34.30	8 22	8.58 5.61	1506	Merluccius paradoxus, m Etmopterus lucifer
Merluccius paradoxus, male	26.12	54	4.27	1505	Selachophidium guenther.
Helicolenus dactylopterus Galeus polli	21.00 18.48	182 252	3.43 3.02		CHIMAERIDAE Hoplostethus cadenati
Lophius vomerinus	18.30 14.30	6 8	2.99 2.34	1507 1502	Todarodes sagittatus
Merluccius capensis, male Merluccius paradoxus, juvenile	9.52	210	1.56	1508	Genypterus capensis Raja leopardus
ARISTEIDAE Nezumia sp.	0.84 0.56	560 42	0.14 0.09		Hoplostethus atlanticus Malacocephalus laevis
- 					Yarrella blackfordi
Total	611.40		99.99		Notacanthus sexspinis Aristeus varidens
					Photichthys argenteus
					Total
		PROJ	ECT STATIO	N: 495	
DATE:27/10/94 GEAR TY start stop duration	PE: BT No:7			2702	DATE: 27/ 1/94
TIME :14:24:00 14:54:00 30 (min		code: 3	roug r	1411	start st
LOG :1265.10 1266.60 1.50 FDEPTH: 387 385	Area cod GearCond				TIME :22:04:00 22: LOG :1303.70 130
BDEPTH: 387 385 Towing dir: 340° Wire out:	Validity	code:	-10		FDEPTH: 522 BDEPTH: 522
	-				Towing dir:
Sorted: 105 Kg Total catch:	668.76	CATCH/	HOUR: 13	37.52	Sorted: 86 Kg
CDECTES	0100U 0	1011B *	OF TOT. C	CAND	
SPECIES		umbers		SAMP	SPECIES
Merluccius paradoxus, female Merluccius paradoxus, male	712.06 250.06	3168 1554	53.24 18.70	1510 1509	Merluccius paradoxus, f Merluccius paradoxus, m
Coelorinchus fasciatus	160.60	1584	12.01		Lithodes ferox
Merluccius capensis, female Galeus polli	72.60 36.38	30 308	5.43 2.72	1511	Nezumia sp. Trachyrincus scabrus
Todarodes sagittatus Helicolenus dactylopterus	30.06 26.40	308 146	2.25		Etmopterus lucifer Selachophidium guenther
Lophius vomerinus	18.40	4	1.38	1513	Coelorinchus fasciatus
Genypterus capensis Bathynectes piperitus	15.70 10.42	6 190	1.17 0.78	1512	Todarod <del>e</del> s sagittatus Raja l <del>e</del> opardus
MYCTOPHIDAE PENAEIDAE	3.38 0.88	1438 454	0.25		Hoplostethus cadenati Allocyttus verrucosus
Selachophidium guentheri	0.44	14	0.03		Hoplostechus atlanticus
Nezumia sp.	0.14	44	0.01		Yarrella blackfordi Notacanthus sexspinis
Total	1337.52		100.01		Galeus polli Aristeus varidens
					Total
					10041
		PROJ	ECT STATIO	N: 496	
	PE: BT No:		ON:Lat S	2704	DATE: 28/10/94
start stop duration TIME :16:49:00 17:19:00 30 (min	) Purpose	7 POSITI code: 3		2704	DATE:28/10/94 start st TIME :06:34:00 07:
start stop duration		7 POSITI code: 3 de : 1	ON:Lat S	2704	DATE:28/10/94 start st
start stop duration TIME : 16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446	) Purpose Area coo GearCono Validity	7 POSITI code: 3 de :1 d.code: y code:	ON:Lat S Long E	2704	DATE: 28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 EDEPTH: 447 446 Towing dir: 350 Wire out:	1) Purpose Area coo GearCond Validity 1250 m. Spe	7 POSITI code: 3 de : 1 d.code: y code: eed: 30 km	ON:Lat S Long E *10	: 2704 : 1403	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir:
start stop duration TIME : 16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446	1) Purpose Area coo GearCond Validity 1250 m. Spe	7 POSITI code: 3 de : 1 d.code: y code: eed: 30 km	ON:Lat S Long E *10	2704	DATE:28/10/94 start st TIME :06:34:00 07; LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279:80 1281.30 1.50 FDEPTH: 447 446 EDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch:	a) Purpose Area coo GearCono Validity 1250 m. Spe 345.37	7 POSITI code: 3 de : 1 d.code: y code: red: 30 km CATCH/	ON:Lat S Long E *10 /HOUR: 6	: 2704 : 1403 :90.74	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir:
start stop duration TIME 16:49:00 17:19:00 30 (min Log :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch:	<ul> <li>Area coo GearCon Validity</li> <li>1250 m. Spe 345.37</li> <li>CATCH/I weight n</li> </ul>	7 POSITI code: 3 de : 1 d.code: y code: ted: 30 kn CATCH/ HOUR &	ON:Lat S Long E *10 /HOUR: 6 OF TOT. C	: 2704 2 1403 990.74 SAMP	DATE:28/10/94 start st TIME :06:34:00 07: LOG :132:40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279:80 1281.30 1.50 FDEPTH: 447 446 EDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch:	<ul> <li>Purpose Area coo GearCon Validity</li> <li>1250 m. Spe 345.37</li> <li>CATCH/I weight 1 367.18</li> <li>122.72</li> </ul>	7 POSITI code: 3 de : 1 d.code: y code: wed: 30 km CATCH, HOUR % humbers 788 294	ON:Lat S Long E *10 /HOUR: 6	: 2704 : 1403 :90.74	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus	<ul> <li>Purpose Area con GearCon Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/I weight 1</li> <li>367.18</li> <li>122.72</li> <li>84.00</li> </ul>	7 POSITI code: 3 de : 1 d.code: v code: ed: 30 km CATCH, HOUR & numbers 788 294 1230	<pre>CON:Lat S Long E Long E</pre>	: 2704 : 1403 :90.74 SAMP 2515	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Galeus polli	a) Purpose Area coc GearCom Validity 1250 m. Spe 345.37 CATCH/I weight 1 367.18 122.72 84.00 65.04 23.56	7 POSITI code: 3 de : 1 d.code: 1 d.code: 2 red: 30 km CATCH/ HOUR & numbers 788 294 1230 226 216	<pre>CON:Lat S Long F Long F (HoUR: 6 OF TOT. C 53.16 17.77 12.16 9.42 3.41</pre>	: 2704 2 1403 990.74 SAMP 1515 1514	DATE:28/10/94 start st TIME :06:34:00 07: LOG :132:40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 DEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus	a) Purpose Area coo GearConw Validity 1250 m. Spe 345.37 CATCH/I weight n 367.18 122.72 84.00 65.04 23.56 7.52	7 POSITI code: 3 de : 1 de code: y code: y code: w code: y code: catch, catch, HOUR & 788 294 1230 226 216 2	<pre>CON:Lat S Long E L</pre>	: 2704 : 1403 :90.74 SAMP 2515	DATE:28/10/94 start st TIME :06:34:00 07; LOG :1323.40 132 FDEPTH: 475 BOEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezunia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 DEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Coaleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp.	Purpose Area con GearConn Validity 1250 m. Spe 345.37 CATCH/I weight 1 367.18 122.72 84.00 65.04 23.56 7.52 6.66 5.36	7 POSITI code: 3 ide : 1 i.code: y code: w code: cATCH, HOUR % numbers 788 294 1230 226 216 216 22 44	<pre>con:tat s    Long E    Long E    Long E    C    C    F TOT. C     53.16    17.77    12.16    9.42    3.41    1.09    0.96    0.78</pre>	: 2704 2 1403 990.74 SAMP 1515 1514	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, n Merluccius paradoxus, n Nezunia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279:80 1281:30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus	a) Purpose Area coo GearConw Validity 1250 m Spe 345.37 CATCH/1 weight r 367.18 122.72 84.00 65.04 23.56 7.52 6.66 5.36 3.38 2.34	7 POSITI code: 3 le : 1 l.code: y code: w code: teed: 30 km CATCH, HOUR & numbers 788 294 1230 226 216 216 216 216 44 494 60 44	<pre>CN:Lat s Long E Lo</pre>	: 2704 : 1403 :990.74 :SAMP 1515 1514 1516	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, n Merluccius paradoxus, n Nezucia sparadoxus, n Nezucias paradoxus, n Nezucias paradoxus, n Nezucias paradoxus, n Nezucias paradoxus, n Nezucias paradoxus, n Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati
start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350 Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidum guentheri Bathynectes piperitus Genypterus capensis	a) Purpose Area coo GearConw Validity 1250 m. Spe 345.37 CATCH/I weight 1 122.72 84.00 65.04 23.56 7.52 6.66 5.36 3.38 2.34 1.86	7 POSITI code: 3 le : 1 l.code: 2 y code: 2 w code: 2 w code: 2 w code: 2 y code: 2 y code: 2 y code: 2 y code: 2 w cATCH, HOUR & 1230 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 226 216 21	CN:Lat S Long E Long F (HOUR: 6 OF TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.78 0.34 0.34 0.34 0.34 0.327	: 2704 2 1403 990.74 SAMP 1515 1514	DATE:28/10/94 start st TIME :06:34:00 07; LOG :132:40 132 FDEFTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, f Rejicolenus dactylopter Helicolenus dactylopter Helicolenus dactylopter Bophus vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagitatus
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279:80 1281:30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus	a) Purpose Area coo GearConw Validity 1250 m Spe 345.37 CATCH/1 weight r 367.18 122.72 84.00 65.04 23.56 7.52 6.66 5.36 3.38 2.34	7 POSITI code: 3 le : 1 l.code: y code: w code: teed: 30 km CATCH, HOUR & numbers 788 294 1230 226 216 216 216 216 44 494 60 44	<pre>CN:Lat s Long E Lo</pre>	: 2704 : 1403 :990.74 :SAMP 1515 1514 1516	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, n Merluccius paradoxus, n Merluccius paradoxus, n Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus
start stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281:30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Coaleus polli Lophius vomerinus Helicoleuns dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genypterus cospaesanarie	a) Purpose Area coo GearConw Validity 1250 m Spe 345.37 CATCH/I weight 1 367.18 122.72 84.00 65.04 23.56 7.52 6.66 5.36 3.38 2.34 1.86 0.60	7 POSITI code: 3 le : 1 l.code: 1 l.code: 2 v code: 30 km cATCH, HOUR % numbers 788 788 788 294 1230 226 216 216 216 216 214 494 60 60 44 2 8	<pre>CN:Lat s Long E Lo</pre>	: 2704 : 1403 :990.74 :SAMP 1515 1514 1516	DATE:28/10/94 start st TIME :06:34:00 07; LOG :132:40 132 FDEFTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, f Rejicolenus dactylopter Helicolenus dactylopter Helicolenus dactylopter Bophus vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagitatus
start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecamrie Myxine capensis	a) Purpose Area coo GearConw Validity 1250 m Spe 345.37 CATCH/I weight 1 367.18 122.72 84.00 65.04 23.56 7.52 6.66 5.36 3.38 2.34 1.86 0.60 0.52	7 POSITI code: 3 le : 1 l.code: 1 l.code: 2 v code: 30 km cATCH, HOUR % numbers 788 788 788 294 1230 226 216 216 216 216 214 494 60 60 44 2 8	<pre>CON:Lat s Long F Long F (HoUR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.96 0.78 0.49 0.34 0.27 0.09 0.08</pre>	: 2704 : 1403 :990.74 :SAMP 1515 1514 1516	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, n Merluccius paradoxus, n Merluccius paradoxus, n Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus
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start     stop     duration       TIME V5649:00     17:19:00     30 (min       LoG     :1279.80     1281.30     1.50       FDEPTH:     447     446       BUEPTH:     447     446       FORTH:     447     446       Sorted:     83 Kg     Total catch:       SPECIES     Merluccius paradoxus, female       Merluccius paradoxus, male     Coelorinchus fasciatus       Todarodes sagittatus     Galeus polli       Lophius vomerinus     Helicolenus dactylopterus       Nezumia sp.     Selachophidum guentheri       Bathynectes piperitus     Genyterus capensis       Ebinania costaecanarie     Myxine capensis       Total     Total	<ul> <li>Purpose Area coo GearConw Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/I</li> <li>weight 1</li> <li>367.18</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>7.52</li> <li>6.66</li> <li>5.36</li> <li>3.38</li> <li>2.34</li> <li>1.86</li> <li>0.60</li> <li>0.52</li> <li>690.74</li> <li>CPE: BT No:</li> <li>Purpose Area con Carcony</li> <li>Purpose</li> <li>Area con CearCony</li> <li>Validity</li> <li>1400 m Spe</li> </ul>	7 POSITI code: 3 i.code: 1 i.code: 1 j.code: 2 vcode: 30 kr CATCH/ HOUR % numbers 788 788 788 294 1230 226 216 216 216 216 24 44 494 60 44 42 8 8 8 PROC 7 POSITI 7 POSITI code: 3 de : 1 1.code: 3 4 4 4 4 4 4 4 4 4 4 4 4 5 8 8 8 8 8 8 8	<pre>CON:Lat S Long E Long E P*10 /HoUR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.49 0.34 0.27 0.08 </pre>	: 2704 : 1403 :90.74 SAMP 1515 1514 1516 1517 :N: 497 : 2702	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :08:55:100 091 LOG :1332.60 133 FDEPTH: 423
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Exart stop duration TIME :16:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350° Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagitatus Calcus polli Lophius vomerinus Helicolenus dactylopterus Nezunia sp. Selachophidium guentheri Bathynectes piperitus Genypterus capensis Total DATE:27/10/94 GEAR TT Start stop duration TIME :19:25:00 18:55:00 30 (mir LOG :1286.30 1287.90 1.60 FDEPTH: 500 493 BDEPTH: 500 493 DDEPTH: 500 493 Total catch:	<ul> <li>Purpose Area coo GearConw Validity</li> <li>1250 m Spe</li> <li>345.37</li> <li>CATCH/I</li> <li>weight 1</li> <li>367.18</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>7.52</li> <li>6.66</li> <li>5.36</li> <li>3.38</li> <li>2.34</li> <li>1.86</li> <li>0.60</li> <li>0.52</li> <li>690.74</li> <li>CPE: BT No:</li> <li>Purpose Area coo GearConw Validity</li> <li>1400 m Spe</li> <li>913.57</li> </ul>	7 POSITI code: 3 de : 1 3.code: 1 3.code: 1 4.code: 2 code: 2 4.code: 2 4.code: 2 4.code: 3 4.code: 3 code: 3 4.code: 3 code: 3 1.code: 3 code: 3 1.code: 3 1.c	<pre>con:Lat s Long E Long E /HouR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.27 0.34 0.27 0.34 0.20 0.08 </pre>	2704 21403 990.74 <b>SAMP</b> 1515 1514 1516 1517 1517 1517 2702 21358	DATE:28/10/94 start st THE :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Fodarodes sagittatus Flostethus cadenati Epigonus denticulatus Total DATE:28/10/94 start st TIME :00:55:00 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 EDEPTH: 423 EDEPTH: 423 EDEPTH: 423 SOFTE: Sorted: 104 Kg SPECIES
start stop duration         TIME 15:649:00 17:19:00 30 (min         LOG :1279.80 1281.30 1.50         FDEPTH: 447 446         EDEPTH: 447 446         FORMER 1: 350° Wire out:         Sorted: 83 Kg Total catch:         SPECIES         Merluccius paradoxus, female         Merluccius paradoxus, male         Coelorinchus fasciatus         Todarodes sagittatus         Calcus polli         Lophius vomerinus         Helioclenus dactylopterus         Nezumia sp.         Selachophidium guentheri         Bathynectes piperitus         Genyterus capensis         Ebinania costaecanarie         Myxine capensis         Total         DATE: 27/10/94       GEAR TY         Stazt stop duration         TIM : 18:25:00 18:57.90 1.60         FDEPTH: 500 493         BDEPTH: 500 493         Towing dir: 330° Wire out:	<ul> <li>Purpose Area coo GearComv Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/J</li> <li>weight 1</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>6.66</li> <li>5.36</li> <li>3.38</li> <li>2.34</li> <li>1.86</li> <li>0.60</li> <li>52</li> <li>690.74</li> </ul>	7 POSITI code: 3 de : 1 3.code: 1 3.code: 1 4.code: 2 code: 2 4.code: 2 4.code: 2 4.code: 3 4.code: 3 code: 3 4.code: 3 code: 3 1.code: 3 code: 3 1.code: 3 1.c	<pre>con:tat s Long E Long E (NoUR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.34 0.96 0.78 0.49 0.34 0.27 0.09 0.08 </pre>	2704 21403 390.74 <b>SAMP</b> 2515 1514 1516 1517 1517 2702 21358	DATE: 28/10/94 Start st THE :06:34:00 07: LOG :132:40 132 FDEPTH: 475 BDEPTH: 475 Towing dir: Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Koplostethus cadenatis Epigonus denticulatus Iodiarodes sagittatus Photichthys argenteus Total DATE: 28/10/94 Start st TIME :08:55:00 09: LOG :1332.60 133 EDEPTM: 423 EDEPTM: 423 EDEPTM: 423 EDEPTM: 423 IOWing dir: Sorted: 104 Kg
start       stop       duration         TIME V5 (49,00 17,19:00 30 (min       LOG       1279.80 1281.30 1.50         FDEPTH:       447       446         FDEPTH:       447       446         FDEPTH:       447       446         FOWING dir:       350° Wire out:       Sorted:       83 Kg       Total catch:         SPECIES       Merluccius paradoxus, female       Merluccius paradoxus, male       Coelorinchus fasciatus       Todarodes sagittatus         Caleus polli       Lophius vomerinus       Helicolenus dactylopterus       Nezumia sp.         Selachophidum guentheri       Bathynectes piperitus       Genyterus capensis         Ebinania costaecanarie       Myxine capensis       Total         DATE:27/10/94       GEAR TT       Start stop       duration         TIME :18:25:00 18:55:00 30 (mir       LOG :12:26.30 12:57.90 1.60       FDEPTH: 500 493         DDEPTH:       SOC 493       Towing dir: 330° Wire out;       Sorted: 115 Kg       Total catch:	<ul> <li>Purpose Area coc GearConv Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/I</li> <li>weight 1</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>6.66</li> <li>3.38</li> <li>2.34</li> <li>1.86</li> <li>0.65</li> <li>3.66</li> <li>0.52</li> <li>690.74</li> <li>Purpose Area con CearConv Validity</li> <li>1400 m Spe</li> <li>913.57</li> <li>CATCH/I</li> <li>weight 1</li> <li>1332.00</li> </ul>	7 POSITI code: 3 de : 1 l.code: 1 l.code: 1 ecd: 3 kn CATCH/ HOUR % CATCH/ HOUR % 8 8 9 0 226 216 226 216 226 216 226 216 224 494 494 494 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 60 44 494 20 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	<pre>con:Lat s Long E Long E (*10) (*HoUR: 6 0 F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.96 0.78 0.96 0.78 0.96 0.34 0.96 0.08 100.02</pre>	<ul> <li>2704</li> <li>2704</li> <li>1403</li> <li>990.74</li> <li>SAMP</li> <li>1515</li> <li>1514</li> <li>1516</li> <li>1517</li> <li>1517</li> <li>2702</li> <li>2702</li> <li>21358</li> <li>327.14</li> <li>SAMP</li> <li>1519</li> </ul>	DATE:28/10/94 start st TIME :06:34:00 07; LOG :132:40 132 FDEFTH: 475 BDEFTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, r Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todal DATE:28/10/94 start st TIME :08:55:00 09; LOG :1332.60 133 FDEFTH: 423 EDEFTH: 423 EDEFTH: 423 TOMIN dir Sorted: 104 Kg SPECIES
start stop duration         TIME 15:49:00 17:19:00 30 (min         LOG :1279.80 1281.30 1.50         FDEPTH: 447 446         BDEPTH: 447 446         FORMUT: 350° Wire out:         Sorted: 83 Kg Total catch:         SPECIES         Merluccius paradoxus, female         Merluccius paradoxus, male         Coelorinchus fasciatus         Todarodes sagittatus         Caleus polli         Lophius vomerinus         Helicolenus dactylopterus         Nezumia sp.         Selachophidium guentheri         Bathynectes piperitus         Genyterus capensis         Ebinania costaecanarie         Myxine capensis         Total         DATE:27/10/94       GEAR TT         Start stop duration         TIME :18:25:00 18:55:00 30 (mir         LOG :1286.30 1287.90 30 (mir         DDPTH: 500 493         DDPTH: 500 50° (mir a)         Sorted: 115 Kg Total catch:         SPECIE	<ul> <li>Purpose Area cox GearComv Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/I</li> <li>weight 1</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>7.52</li> <li>6.66</li> <li>5.36</li> <li>3.38</li> <li>2.34</li> <li>1.86</li> <li>0.60</li> <li>0.52</li> <li>690.74</li> <li>CATCH/I</li> <li>Purpose</li> <li>913.57</li> <li>CATCH/I</li> <li>weight 1</li> <li>1332.00</li> <li>284.00</li> <li>48.70</li> </ul>	7 POSITI code: 3 de : 1 l.code: 1 l.code: 1 eed: 30 code: 2 rote: 1 rote: 1 rote: 1 rote: 2 24 29 20 226 216 21	<pre>con:Lat s Long E Long E /HouR: 6 0 F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.27 0.34 0.27 100.02 //Constant Long E Long E Long</pre>	: 2704 : 1403 :990.74 SAMP 1515 1514 1516 1517 : 1517 : 2702 : 1358 : 1358	DATE:28/10/94 start st THE :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, n Nezucius paradoxus, n Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Photichthys argenteus Total DATE:28/10/94 start st TIME :08:55:10 09: LOG :1323.60 133 FDEPTH: 423 BDEPTH: 423 BDEPTH: 423 BDEPTH: 423 SOFTES Merluccius paradoxus, n Coelorinchus fasciatus Lophius vomerinus Raja confundens Todarodes sagittatus
<pre>start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BEDEPTH: 447 446 FORMER STOP Sorted: 83 Kg Total catch: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	<ul> <li>Purpose Area coo GearCom Validity</li> <li>1250 m. Spe</li> <li>345.37</li> <li>CATCH/J</li> <li>weight 1</li> <li>122.72</li> <li>84.00</li> <li>65.04</li> <li>23.56</li> <li>5.36</li> <li>5.36</li> <li>5.36</li> <li>5.36</li> <li>5.36</li> <li>5.36</li> <li>6.60</li> <li>6.60</li> <li>6.23</li> <li>6.60</li> <li>6.23</li> <li>6.60</li> <li>6.24</li> <li>23.56</li> <li>6.60</li> <li>6.24</li> <li>23.44</li> <li>0.60</li> <li>690.74</li> <li>690.74</li> <li>913.57</li> <li>CATCH/J</li> <li>weight 1</li> <li>1332.00</li> <li>284.00</li> <li>48.70</li> <li>41.40</li> </ul>	7 POSITI code: 3 1.code: 1 1.code: 1 1.code: 2 1.code: 2 1.code: 3 1.code: 2 1.code: 3 1.code: 2 2 4 4 4 4 9 4 4 2 8 8 8 7 PRO: 7 7 POSITI code: 3 1 4.code: 1 1.code: 3 1 4.code: 1 1.code: 3 1 4.code: 1 1.code: 3 1 5 8 0 1 2 1 5 8 0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	CN:Lat S Long E Long E (NoUR: 6 OF TOT. C 53.16 10.77 12.16 9.42 3.41 1.09 0.34 0.96 0.78 0.49 0.34 0.27 100.02 VECT STATIC CON:Lat S Long E VHOUR: 18 OF TOT. C 72.90 15.54 2.67 2.27	: 2704 : 1403 :90.74 SAMP 2515 1514 1516 1517 : 1517 : 2702 : 1358 : 277.14 SAMP 1519 1518	DATE:28/10/94 start st THE :06:34:00 07: LOG :132:40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Merluccius paradoxus, r Merluccius paradoxus, r Merluccius paradoxus, r Merluccius paradoxus, r Merluccius paradoxus, r Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todal DATE:28/10/94 start st TIME :08:55:00 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 EDEPTH: 423 EDEPTH: 423 Towing dir: Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius paradox
<pre>start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BEDEPTH: 447 446 Sorted: 83 Kg Total catch: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	b) Purpose Area coo GearCom Validity 1250 m. Spe 345.37 CATCH/J weight 1 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 le : 1 l.code: 1 l.code: 1 l.code: 1 red: 30 kn CATCH/ HOUR % CATCH/ HOUR % CATCH/ 226 216 226 216 224 494 494 494 494 60 44 2 8 8 8 8 8 7 PRO: 7 POSITI code: 3 1 d.code: 1 l.code: 3 1 d.code: 3 kn cATCH/ HOUR % CATCH/ HOUR % CATCH/ CATC	CN:Lat S Long E Long F (NoUR: 6 OF TOT. C 53.16 10.77 12.16 9.42 3.41 1.09 0.42 0.78 0.49 0.34 0.96 0.78 0.49 0.34 10.96 0.78 0.49 0.34 10.96 0.78 10.09 0.08 100.02 VECT STATIC CON:Lat S Long E Long E 10.00 10.02 VECT STATIC CON:Lat S Long E 10.00 10.02 VHOUR: 18 0F TOT. C	: 2704 : 1403 :90.74 SAMP 2515 1514 1516 1517 : 1517 : 2702 : 1358 : 277.14 SAMP 1519 1518	DATE:28/10/94 start st THE :06:34:00 07: LOG :132:40 132 FDEFTH: 475 BDEFTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Merluccius paradoxus, r Merluccius paradoxus, r Merluccius paradoxus, r Merluccius paradoxus, r Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todal DATE:28/10/94 start st TIME :08:55:00 09: LOG :1332.60 133 FDEFTH: 423 DDEFTH: 423 EDEFTH: 423 EDEFTH: 423 EDEFTH: 423 Towing dir: Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius paradoxus, f Merluccius paradoxus, f Merluccius paradoxus, f Merluccius capensis, fe Schedophilus huttoni
<pre>chart stop duration TIME 15:49:00 17:19:00 30 (min LoG :1279.80 1281.30 1.50 FDEPTH: 447 446 FDEPTH: 447 446 Towing dir: 350 Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Galeus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	c) Purpose Area con GearCom Validity 1250 m. Spe 345.37 CATCH/J weight 1 367.18 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 ide : 1 3.code: 1 3.code: 1 2.code: 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	<pre>con: Lat s Long E Long E (NoUR: 6 0 F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.27 0.34 0.27 0.08 100.02</pre>	: 2704 : 1403 :90.74 SAMP 2515 1514 1516 1517 : 1517 : 2702 : 1358 : 277.14 SAMP 1519 1518	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Hoplostethus cadenati Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Podarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :00:85:100 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 BDEPTH: 423 EDEPTH: 423 SOFTEIS Merluccius paradoxus, f Merluccius paradoxus, st Coelorinchus fasciatus Raja confundens Todarodes sagittatus Merluccius capensis, fe
<pre>start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BEDEPTH: 447 446 Towing dir: 350* Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	a) Purpose Area coo GearConw Validity 1250 m. Spe 345.37 CATCH/I weight 1 367.18 122.72 84.00 65.04 23.56 5.36 5.36 5.36 2.34 1.86 0.60 0.52 690.74	7 POSITI code: 3 i.code: 1 i.code: 1 i.code: 1 i.code: 2 v code: 30 Kr 294 1230 204 216 216 216 216 216 216 216 216 216 216	<pre>con:tat s long E long F /HoUR: 6 oF TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.27 //ON:Lat S long F //ON:Lat S long S long F //ON:Lat S long S long F //ON:Lat S long S long</pre>	: 2704 : 1403 :90.74 SAMP 1515 1514 1516 1517 :517 :517 :517 :517 :517 :517 :517	DATE:28/10/94 start st TIME :06:34:00 07: LoG :132:40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Merluccius paradoxus, m Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophus vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :06:55:100 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 BDEPTH: 423 Towing dir: Sorted: 104 Kg SPECIES Merluccius paradoxus, m Coelorinchus fasciatus Merluccius paradoxus, m Coelorinchus fasciatus Merluccius paradoxus, m Coelorinchus fasciatus Merluccius capensis, fe
<pre>start stop duration TIME 15:49:00 17:19:00 30 (min LOG :1279.80 1281.30 1.50 FDEPTH: 447 446 BEDEPTH: 447 446 Sorted: 83 Kg Total catch: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezumia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	c) Purpose Area coo GearCom Validity 1250 m. Spe 345.37 CATCH/I weight 1 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 6.04 23.56 6.04 23.56 6.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 i.code: 1 i.code: 1 i.code: 1 i.code: 2 vcode: 30 km 294 1230 226 216 216 216 216 216 216 226 216 226 216 226 216 226 216 226 216 21	CON:Lat S Long E Long F (NoUR: 6 OF TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.96 0.78 0.49 0.34 1.09 0.08 1.09 0.08 1.09 0.08 1.09 0.08 1.00 1.09 0.08 1.09 0.02 0.79 0.25 0.79 0.27 0.26 0.18 1.8 1.8 1.8 1.8 1.8 1.8 1.8	: 2704 : 1403 :90.74 SAMP 2515 1514 1516 1517 : 1517 : 2702 : 1358 : 277.14 SAMP 1519 1518	DATE:28/10/94 start st THE :06:34:00 07: LOG :132:40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Meruncius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todal DATE:28/10/94 start st TIME :08:55:00 00; LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 BDEPTH: 423 BDEPTH: 423 Towing dir: Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius paradoxus, f Merlucci
<pre>chart stop duration TIME 15:49:00 17:19:00 30 (min LoG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350 Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezunia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	c) Purpose Area cox GearComv Validity 1250 m. Spe 345.37 CATCH/I weight 1 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 de : 1 l.code: 1 l.code: 1 l.code: 1 code: 3 code: 3 rest: 3 rest: 3 rest: 3 rest: 4 24 494 60 226 216 24 494 494 494 494 494 494 494	<pre>con:Lat s Long E Long E (NoUR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.78 0.49 0.34 0.27 0.08 100.02 FECT STATIC CON:Lat S Long E (NOUR: 18 CON TOT. C 72.90 15.54 2.67 2.27 1.70 1.554 2.67 2.27 1.70 1.05 0.27 0.26 0.18 0.09</pre>	: 2704 : 1403 :90.74 SAMP 1515 1514 1516 1517 :517 :517 :517 :517 :517 :517 :517	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Ermopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :00:55:00 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 EDEPTH: 423 BDEPTH: 423 EDEPTH: 423 SOFTE: Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius capensis, fe Schedophilus huttoni Helicolenus dactylopter Genypteus capensis, fe Sclachophidium guenther Galeus polli Nezumia sp. Bassanago albescens MyCTOPHIDAE
<pre>start stop duration TIME 15:49:00 17:19:00 30 (min LoG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350 Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezunia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	c) Purpose Area coc GearCom Validity 1250 m. Spe 345.37 CATCH/I weight 1 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 ide : 1 3.code: 1 3.code: 1 code: 2 rotal r	<pre>con: Lat s Long E Long E F 10 (HoUR: 6 0 F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.49 0.34 0.27 0.08 100.02 FECT STATIC CON: Lat S Long E *10 (HOUR: 18 0 F TOT. C 72.90 15.54 2.67 2.27 1.70 1.54 2.67 2.70 1.54 2.67 2.70 1.54 2.67 2.77 1.70 1.54 2.67 2.77 1.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 1.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2</pre>	: 2704 : 1403 :90.74 SAMP 1515 1514 1516 1517 :517 :517 :517 :517 :517 :517 :517	DATE:28/10/94 start st THE :06:34:00 07: LOG :1322.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Hoplostethus cadenati Etmopterus lucifer Hoplostethus cadenati Epigonus denticulatus Podarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :00:55:00 09: LOG :1332.60 133 FDEPTH: 423 EDEPTH: 423 EDEPTH: 423 EDEPTH: 423 EDEPTH: 423 EDEPTH: 423 FOILOS Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius paradoxus, f Merluccius capensis, fe Schedophilus huttoni Helicolenus dactylopter Galeus polli Nezumia sp. Bassanago albescens MC/COPHIDAE
<pre>chart stop duration TIME 15:49:00 17:19:00 30 (min LoG :1279.80 1281.30 1.50 FDEPTH: 447 446 BDEPTH: 447 446 Towing dir: 350 Wire out: Sorted: 83 Kg Total catch: SPECIES Merluccius paradoxus, female Merluccius paradoxus, male Coelorinchus fasciatus Todarodes sagittatus Caleus polli Lophius vomerinus Helicolenus dactylopterus Nezunia sp. Selachophidium guentheri Bathynectes piperitus Genyterus capensis Ebinania costaecanarie Myxine capensis Total</pre>	c) Purpose Area cox GearComv Validity 1250 m. Spe 345.37 CATCH/I weight 1 122.72 84.00 65.04 23.56 5.36 5.36 5.36 5.36 5.36 5.36 5.36	7 POSITI code: 3 ide : 1 3.code: 1 3.code: 1 code: 2 rotal r	<pre>con:Lat s Long E Long E (NoUR: 6 0F TOT. C 53.16 17.77 12.16 9.42 3.41 1.09 0.96 0.78 0.78 0.49 0.34 0.27 0.08 100.02 FECT STATIC CON:Lat S Long E (NOUR: 18 CON TOT. C 72.90 15.54 2.67 2.27 1.70 1.554 2.67 2.27 1.70 1.05 0.27 0.26 0.18 0.09</pre>	: 2704 : 1403 :90.74 SAMP 1515 1514 1516 1517 :517 :517 :517 :517 :517 :517 :517	DATE:28/10/94 start st TIME :06:34:00 07: LOG :1323.40 132 FDEPTH: 475 BDEPTH: 475 Sorted: 94 Kg SPECIES Merluccius paradoxus, f Coelorinchus fasciatus Merluccius paradoxus, m Nezumia sp. Helicolenus dactylopter Lophius vomerinus Raja confundens Selachophidium guenther Ermopterus lucifer Hoplostethus cadenati Epigonus denticulatus Todarodes sagittatus Photichthys argenteus Total DATE:28/10/94 start st TIME :00:55:00 09: LOG :1332.60 133 FDEPTH: 423 BDEPTH: 423 EDEPTH: 423 BDEPTH: 423 EDEPTH: 423 SOFTE: Sorted: 104 Kg SPECIES Merluccius paradoxus, f Merluccius capensis, fe Schedophilus huttoni Helicolenus dactylopter Genypteus capensis, fe Sclachophidium guenther Galeus polli Nezumia sp. Bassanago albescens MyCTOPHIDAE

DATE:27/10/94 GEAR	TYPE: BT No:7		OJECT STATI TION:Lat	S 2657
start stop duration	n		Long	E 1351
TIME :20:09:00 20:39:00 30 (n LOG :1294.30 1296.00 1.70	Area code GearCond		1	
FDEPTH: 585 574 BDEPTH: 585 574	Validity	code:		
Towing dir: 330° Wire ou	1t:1670 m Spee	ed: 34	kn*10	
Sorted: 145 Kg Total cate	ch: 261.06	CATC	H/HOUR:	522.12
IES	CATCH/HO	JUR	S OF TOT.	SAM
uccius paradoxus, female	weight n: 223.30	294	42.77	152
ia calcea	162.60 28.08 25.92 17.60 16.44	108	31.14	
hyrincus scabrus mia sp.	25.92	372 312	4.96	
uccius paradoxus, male pterus lucifer	17.60	312 28 84 180	3.37	152
chophidium guentheri	16.44 16.20 6.84	180	3.10	
AERIDAE	6.84	12	1.31	
ostethus cadenati rodes sagittatus	4.08 3.96	240 24	0.78 0.76	
pterus capensis	3.54 3.48	2 24	0.68	152
leopardus ostethus atlanticus	2.88	12	0.55	
cocephalus laevis ella blackfordi	2.64	12 420	0.51	
canthus sexspinis	Q.84	12	0.16	
teus varidens ichthys argenteus	0.84 0.36	228 36		
1	522.12		100.00	
			OJECT STAT	
start stop duration	TYPE: BT No:7		Long	S 264 E 134
TTME : 22:04:00 22:34:00 30 /	min) Purnose	code:	3	
LOG :1303.70 1305.50 1.80 FDEPTH: 522 527 BDEPTH: 522 526	GearCond	. code :	-	
BDEPTH: 522 526 Towing dir: 330* Wire on	Validity ut:1480 m Spe	code :	kn*10	
Sorted: 86 Kg Total cat				1151.06
·			& OF TOT.	
IES				
uccius paradoxus, female uccius paradoxus, male	781.98	1306	67.94 11.24	
odes ferox	weight n 781,98 129,34 76,66 58,66 24,14 19,18 14,54 12,26 7,86 7,58 7,34	174	6.66	
mia sp. hyrincus scabrus	58.66	158	5.10 2.10	
pterus lucifer	19.18	186	1.67	
chophidium guentheri orinchus fasciatus	14.54	254	1.26	
rodes sagittatus	7.86	26	0.68	
leopardus ostethus cadenati	7.58 7.34	14 586	0.66 0.64	
cyttus verrucosus	5.98	586 106	0.52	
ostethus atlanticus ella blackfordi	1.46	14 134	0.15	
canthus sexspinis	1.18	54		
	C.94 C.66	14 66	0.08	
teus varidens	0.94	14	0.08	
eus polli steus varidens al	0.94 0.66	14 66	0.08 0.06 	
iteus varidens	0.94 0.66 1150.96	14 66 PI	0.08 0.06 100.01 ROJECT STAT	ION: 50 5 264
teus varidens 11 DATE:28/10/94 GEAR start stop duratio	C.94 C.66 1150.96	14 66 PI POSI	0.08 0.06 100.01 ROJECT STAT ITION:Lat Long	ION: 50 5 264
tteus varidens L1 DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( 1.50	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod	14 66 PI POSI code:	0.08 0.06 100.01 ROJECT STAT TION:Lat Long 3	ION: 50 5 264
teus varidens 1 DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( LOG :1323.40 1324.90 1.50	C.94 C.66 1150.96 TYPE: BT No:7	14 66 POSI code: e : L.code:	0.08 0.06 100.01 ROJECT STAT TION:Lat Long 3	ION: 50 5 264
teus varidens 1 DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( LOG :1323.40 1324.90 1.50	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod GearCond Validity	14 66 POSI code: e : .code:	0.08 0.06 100.01 ROJECT STAT TTION: Lat Long 3 1	10N: 50
teus varidens 1 DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 BDEPTH: 475 478	C.94 C.66 1150.96 TYPE: BT No:7 m min) Purpose Area cod GearCond Validity ut:1380 m Spe	14 66 PPSJ code: le : l.code: code: ed: 32	0.08 0.06 100.01 ROJECT STAT TTION: Lat Long 3 1	ION: 50 5 264 E 134
teus varidens 1 DATE: 28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DDEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat	C.94 C.66 1150.96 TYPPE: BT No:7 min) Purpose Area cod Gearcond validity ut:1380 m Spe cch: 669.34 CATCH/H	14 66 PI POSI code: ie : i.code: code: ed: 32 CATO	0.08 0.06 100.01 ROJECT STAT Long 1 xn=10 CH/HOUR: 4 OF TOT.	ION: 50 5 264 E 134 1338.60
tteus varidens II DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DDEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat IES	C.94 C.66 1150.96 TYPPE: BT No:7 min) Purpose Area cod Gearcond validity ut:1380 m Spe cch: 669.34 CATCH/H	14 66 PI POSI code: ie : i.code: code: ed: 32 CATO	0.08 0.06 100.01 ROJECT STAT Long 1 xn=10 CH/HOUR: 4 OF TOT.	ION: 50 S 264 E 134 1338.60 C SAM
tteus varidens Ll DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( IOC :1323.40 1324.90 1.50 FDEPTH: 475 478 BDEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat TES Luccius paradoxus, female lorinchus fasciatus	C.94 C.66 1150.96 TYPE: BT No:7 D D Min) Purpose Area cod GearCond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight n 523.04 150.90	14 66 POSI code: code: code: code: code: doug code: code: 1486 2620	0.08 0.06 100.01 ROJECT STAT ITION:Lat Long 1 kn*10 CH/HOUR: 1 OF TOT. 68.955 11.27	ION: 50 S 264 E 134 1338.68 C SAM 152
tteus varidens DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DDEPTH: 475 478 DDEPTH: 475 478 DDEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TES Succius paradoxus, female iorinchus fasciatus uccius paradoxus, male	C.94 C.66 1150.96 TYPE: BT No:7 D D Min) Purpose Area cod GearCond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight n 523.04 150.90	14 66 POSI code: code: code: code: code: doug code: code: 1486 2620	0.08 0.06 100.01 ROJECT STAT ITION:Lat Long 1 kn*10 CH/HOUR: 1 OF TOT. 68.955 11.27	ION: 50 5 264 E 134 1338.60 C SAM 152 152
tteus varidens Il DATE: 28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TES Luccius paradoxus, female locinchus fasciatus luccius paradoxus, male mia sp. colenus dactylopterus	C.94 C.66 1150.96 TYPE: BT No:7 DD Min) Purpose Area cod GearCond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54	14 66 PPOSJ Code: code: code: code: code: code: code: code: code: doubers 1486 2620 276 1960 260 1960 46	0.08 0.06 100.01 ROJECT STAT ITION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 68.955 11.27 10.07 3.08 1.38	ION: 50 S 264 E 134 1338.60 C SAM 152 152
tteus varidens Il DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DOEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat IES Luccius paradoxus, female torinchus fasciatus Luccius paradoxus, male mia sp. colenus dactylopterus ius vomerinus	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod Gearcond Validity ut:1380 m Spe cch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00	14 66 PH POSI code: code: code: code: code: code: code: 276 1486 2620 276 1960 46 220 276	0.08 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn*10 CH/HOUR: \$ OF TOT. 68.95 11.27 10.07 3.08 1.38 1.27	ION: 50 5 264 E 134 1338.60 C SAM 152 152
tteus varidens Il DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DEPTH: 475 478 DEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TES Succius paradoxus, female inclus fasciatus uccius paradoxus, male mia sp. colenus dactylopterus hius vomerinus s confundens confundens confundens	C.94 C.66 1150.96 TYPPE: BT No:7 min) Purpose Area cod Gearcond Validity ut:1380 m Spe cch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48	14 66 Prossi code: ed: 32 code: ed: 42 code: ed: 42 code:	0.08 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn*10 CR/HOUR: \$ OF TOT. 68.95 11.27 10.07 3.08 1.39 1.27 1.22 1.01	ION: 50 S 264 E 134 1338.68 C SAM 152 152
tteus varidens Il DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 (LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat IES Luccius paradoxus, female luccius paradoxus, male unia sp. teolenus dactylopterus lius vomerinus teolenus dactylopterus lius vomerinus teolenus dactylopterus lius vomerinus teolenus dactylopterus lius vomerinus teolenus dactylopterus lius vomerinus teolenus dactylopterus lius vomerinus	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod GearCond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight m 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26	14 66 POSJ code: ed: 32 code: ed: 32 code: doubers 1486 2620 276 1960 46 21 30	0.08 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn*10 CH/HOUR: 4 OF TOT. 68.95 11.27 10.07 3.08 1.39 1.27 1.02 1.01 3.09 1.39 1.27 1.02 1.01	ION: 50 S 264 E 134 1338.60 С SAX 152 152
tteus varidens DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 ( LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DEPTH: 475 478 DEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat :IES Luccius paradoxus, female luccius paradoxus, female luccius paradoxus, male mia sp. colenus dactylopterus ius vomerinus s confundens ius vomerinus s confundens ius vomerinus s confundens topperus lucifer lostethus cadenati jonus denticulatus	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod GearCond Validity ut:1380 m Spe c.ch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26 4.28 3.84	14 66 POSJ code: e : .code: code: code: code: code: 1486 2620 276 1960 46 276 1960 46 276 1960 46 214 30 352 46	0.08 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 68.95 11.27 10.07 3.08 1.38 1.38 1.27 1.12 1.01 CH/HOUR: 4 OF TOT. 5.08 1.38 1.27 1.22 1.01 0.77 6.32 0.09 1.27 1.22 1.01 0.27 1.22 1.01 0.27 1.22 1.22 1.22 1.22 1.22 1.22 1.22 1	ION: 50 5 264 E 134 1338.60 C SAM 152 152
teus varidens 1 DATE: 28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat IES uccius paradoxus, female orinchus fasciatus uccius paradoxus, male mia sp. colenus dactylopterus his vomerinus iconfundens ichophidium guentheri opterus lucifer ostethus cadenati jonus denticulatus irodes sagittatus	C.94 C.66 1150.96 TYPE: BT No:7 Dr Area cod GearCond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight n \$23.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.25 4.28 3.84 3.84 3.84	14 66 PIG POSJ code: ed: 32 code: code: code: code: doug 276 1960 2620 276 1960 2620 276 1960 262 262 262 166 262 26 26 26 26 26 26 26 26 26 26 26	0.08 0.06 100.01 ROJECT STAT TITION:Lat Long 1 kn=10 CH/HOUR: \$ OF TOT. 68.955 11.27 10.07 3.08 1.38 1.27 10.07 3.02 1.38 1.27 1.12 1.00 C.77 C.32 0.29 0.26	ION: 50 5 264 2 134 1338.60 C SAM 152 152
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tteus varidens ll DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DOEPTH: 475 478 DOEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TIES uuccius paradoxus, female lorinchus fasciatus uuccius paradoxus, male mia sp. coolenus dactylopterus nius vomerinus a confundens schophidium guentheri opterus lucifer lostethus cadenati jonus denticulatus richer des sagittatus tichthys argenteus tl DATE:28/10/94 GEAR start stop duratio TIME :08:55:00 09:25:00 30 ( LOG :1332.60 1334.20 1.60 FDEPTH: 423 420 DOFEPTH: 423 420 DOFEPTH: 423 420 Towing dir: 60° Wire o Sorted: 104 Kg Total cat TIES luccius paradoxus, female luccius paradoxus, male lorinchus fasciatus nus vomerinus to cofundens trodes sagittatus tuccius capensis, female luccius paradoxus, male lorinchus fasciatus tuccius capensis, female luccius paradoxus, female luccius paradoxus, male lorinchus fasciatus tuccius capensis, female luccius paradoxus, female luccius paradoxus, female luccius capensis, female	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod Gearcond Validity ut:1380 m Spe ch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26 4.22 2.76 1338.68 TYPE: BT No:7 min) Purpose Area cod Gearcond Validity 0.26 1338.68	14 66 92 9053 0006: 0006: 0007 276 2620 276 2620 276 2620 276 276 2620 276 276 276 276 276 276 276 276 276 276	0.08 0.06 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 0.21 0.27 1.22 1.27 1.00 0.26 0.21 1.00.00 C.77 0.27 0.29 0.26 0.21 100.00 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 4 OF TOT. 5 OF	ION: 50 5 264 E 134 1338.66 C SAM 152 152 152 152 152 780.33 C SAM 780.33 153 153 153 153 153 153 153 1
tteus varidens ll DATE:28/10/94 GEAR start stop duratio (LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DEPTH: 475 478 Towing dir: 330* Wire o Sorted: 94 Kg Total cat IES luccius paradoxus, female luccius paradoxus, male mia sp. colonudens luccius dactylopterus ins vomerinus a confundens tchophidium guentheri opterus lucifer lostethus cadenati jonus denticulatus inches sagittatus tichthys argenteus hl DATE:28/10/94 GEAR start stop duratio TIME :08:55:00 09:25:00 30 ( LOG :1332.60 1334.20 1.60 FDEPTH: 423 420 BDEPTH: 423 420 BDEPTH: 423 420 EDEPTH: 423 420 IDEPTH: 420 IDEPTH: 420 IDEPTH: 420 IDEPTH: 420 IDEPTH: 420 IDEPTH: 420 IDEPTH: 420 IDEPTH	C.94 C.66 1150.96 TYPPE: BT No:7 min) Purpose Area cod Gearcond validity ut:1380 m Spe cch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26 4.22 13.48 10.26 4.22 13.84 3.84 3.84 3.84 3.82 2.76 1338.68 CTYPE: BT No:7 min) Purpose Area cod Gearcond Validity ut:1250 m Spe cch: 390.16 CATCH/F weight r 355.56 105.96 104.26 73.50 47.06 27.04 25.90 15.86 6.90 6.80 4.04	14 66 92 9053 0006: 0006: 0007 276 2620 276 2620 276 2620 276 276 2620 276 276 276 276 276 276 276 276 276 276	0.08 0.06 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 0.21 0.27 1.22 1.27 1.00 0.26 0.21 1.00.00 C.77 0.27 0.29 0.26 0.21 100.00 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 4 OF TOT. 5 OF	ION: 50 5 264 E 134 1338.66 c SALM 152 152 152 152 152 7780.33 c SALM 2 155 2 155 1 155 2 155 1 155 155 155 155 155 155 155 155 1
tteus varidens ll DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 (LOG :1323.40 1324.90 1.50 FDEPTH: 475 478 DOEPTH: 475 478 DOEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat :IES uccius paradoxus, female iorinchus fasciatus uccius paradoxus, male mia ap. colenus dactylopterus hius vomerinus iconundens ichophidium guentheri opterus lucifer ichthys argenteus tichthys argenteus hl DATE:28/10/94 GEAR start stop duratio TIME :08:55:00 09:25:00 30 ( LOG :1332.60 1334.20 1.60 FDEPTH: 423 420 DEPTH: 423 420 DEPTH: 423 420 DEPTH: 423 420 DEPTH: 423 420 Towing dir: 6C° Wire o Sorted: 104 Kg Total cat TIES Luccius paradoxus, female Luccius paradoxus, female Luccius paradoxus, female Luccius paradoxus, female Luccius paradoxus, female Huccius paradoxus, female Huccius capensis, female Huccius capensis, female Hoophilus huttoni icolenus dactylopterus pretus capensis ichophidium guentheri 'us polli	0.94 0.66 1150.96 TYPE: BT No:7 min) Purpose Area cod GearCond Validity ut:1380 m Spe c.ch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26 4.28 3.84 3.52 2.76 1338.68 CATCPE: BT No:7 min) Purpose Area cod Catculy H weight n 138.68 CATCH/H weight n 5.02 13.48 10.26 4.28 3.84 3.52 2.76 1338.68 CATCH/H weight n 5.02 13.48 10.26 4.28 3.84 3.52 2.76 1338.68 CATCH/H weight n 5.02 13.48 10.26 4.28 3.84 3.52 2.76 1338.68 CATCH/H Weight n 7.55.56 105.96 104.26 73.50 4.706 27.04 25.90 15.86 6.90 6.80 4.04 3.26	14 66 92 9053 0006: 0006: 0007 276 2620 276 2620 276 2620 276 276 2620 276 276 276 276 276 276 276 276 276 276	0.08 0.06 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 0.21 0.27 1.22 1.27 1.00 0.26 0.21 1.00.00 C.77 0.27 0.29 0.26 0.21 100.00 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 4 OF TOT. 5 OF	ION: 50 5 264 E 134 1338.60 C SAM 152 152 152 152 152 152 152 152
tteus varidens ll DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TIES luccius paradoxus, female lorinchus fasciatus luccius paradoxus, male mia sp. icolenus dactylopterus nius vomerinus a confundens schophidium guentheri opterus lucifer lostethus cadenati gonus denticulatus srodes sagittatus tichthys argenteus al DATE:28/10/94 GEAR start stop duratio TIME :08:55:00 09:25:00 30 ( LOG :1332.60 1334.20 1.60 FDEPTH: 423 420 Towing dir: 60° Wire o Sorted: 104 Kg Total cat TIES luccius paradoxus, female lorinchus fasciatus hus vomerinus a confundens rodes sagittatus tick vomerinus a confundens start stop duratio TIME :08:55:00 09:25:00 30 ( LOG :1332.60 1334.20 1.60 FDEPTH: 423 420 Towing dir: 60° Wire o Sorted: 104 Kg Total cat TIES luccius paradoxus, female lorinchus fasciatus hus vomerinus a confundens rodes sagittatus luccius capensis, female dophilus huttoni isolenus dactylopterus /pterus capensis chophidium guentheri us spoll mia sp. snago albescens	C.94 C.66 1150.96 TYPE: BT No:7 min) Purpose Area cod GearCond Validity ut:1380 m Spe c.ch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 41.22 13.48 10.26 1338.68	14 66 PP Poss code:	0.08 0.06 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 0.21 0.26 0.21 100.00 ROJECT STAT TTION:Lat Long 1.38 1.38 1.37 1.12 0.29 0.26 0.21 100.00 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: 4 OF TOT. 4 OF TOT. 13.56 9.44 0.37 13.56 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.57 15.56 15.57 15.56 15.57 15.56 15.57 15.56 15.57 15.57 15.56 15.57 15.56 15.57 15.57 15.57 15.56 15.57	ION: 50 5 264 E 134 1338.60 C SAM 152 152 152 152 780.32 C SAN 153 153 153 153 153 153 153
tteus varidens ll DATE:28/10/94 GEAR start stop duratio TIME :06:34:00 07:04:00 30 FDEPTH: 475 478 DOEPTH: 475 478 DOEPTH: 475 478 Towing dir: 330° Wire o Sorted: 94 Kg Total cat TIES luccius paradoxus, female lorinchus fasciatus luccius paradoxus, male mia sp. icolenus dactylopterus hius vomerinus a confundens sconfundens	C.94 C.66 1150.96 TYPPE: BT No:7 min) Purpose Area cod Gearcond validity ut:1380 m Spe cch: 669.34 CATCH/H weight n 923.04 150.90 134.82 41.22 18.54 17.00 15.02 13.48 10.26 4.28 3.84 3.82 2.76 1338.68 TYPE: BT No:7 min) Purpose Area cod Gearcond Validity ut:1250 m Spe cch: 390.16 CATCH/F weight r 355.56 104.26 73.50 47.06 27.04 25.90 15.86 6.90 6.80 4.04 3.26 1.95	1466 PI POSJ code:: .code:: .c	0.08 0.06 0.06 100.01 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: • OF TOT. 68.95 11.27 10.07 3.08 1.38 1.38 1.39 1.22 1.00 CH/HOUR: • OF TOT. C.22 0.22 0.22 0.22 100.00 ROJECT STAT TTION:Lat Long 1 kn=10 CH/HOUR: • OF TOT. • OF TOT.	ION: 50 5 264 E 134 1338.68 C SAM 152 152 152 152 780.32 C SAM E 135 780.32 C SAM 153 153 153 153

	PRO	JECT STATION	: 502
DATE: 28/10/94 GEAR TY	PE: BT No:7 POSI	TION:Lat S	2645
start stop duration		Long E	1403
TIME :11:31:00 12:01:00 30 (mir		3	
LOG :1345.60 1347.10 1.50	Area code :	L	
FDEPTH: 400 396	GearCond.code:		
BDEPTH: 400 396	Validity code:		
Towing dir: 60° Wire out:	1150 m Speed: 28 H	m*10	
Sorted: 122 Kg Total catch:	817.86 CATCI	1/HOUR: 163	5.72
SPECIES		OF TOT. C	SAMP
	weight numbers		
Merluccius paradoxus, female	936.14 3958	57.23	1536
Merluccius paradoxus, male	308.00 1530	18.83	1535
Coelorinchus fasciatus	195.94 2184	12.04	
Todarodes sagittatus	39.38 112	2.41	
Genypterus capensis	37.70 24	2.30	1537
Merluccius capensis, female	28.80 12	1.76	1539
Lophius vomerinus	15.20 2	0.99	1538
Nezumia sp.	12.50 56	0.76	
Galeus polli	8.58 94	0.52	
Selachophidium guentheri	4.66 56	0.28	
Myxine capensis	4.10 38	0.25	
Helicolenus dactylopterus	3.74 38	0.23	
Bathynectes piperitus	1.85 38	0.11	
Bassanago albescens	1.12 18	0.07	
Total —	1599.72	97.78	

			PROJECT STAT	TION: 503
DATE:28/10/94	GEAR TYPE	: BT No:7	POSITION:Lat	S 2641
start	stop duration		Long	E 1412
TIME :13:46:00 1	4:16:00 30 (min)	Purpose c	ode: 3	
LOG :1356.10 1	357.50 1.40	Area code	: 1	
FDEPTH: 367	366	GearCond.	cod <del>e</del> :	
BDEPTH: 367	366	Validity	code:	
Towing dir	: 50° Wire out:11	00 m Speed	d: 28 kn*10	
Sorted: 174 Kg	Total catch:	602.94	CATCH/HOUR:	1205.88

SPECIES	CATCH	/HOUR	1 OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	568.86	2100	47.17	1541
Merluccius paradoxus, male	216.20	950	17.93	1540
Genypterus capensis	119.70	54	9.93	1543
Coelorinchus fasciatus	108.86	1350	9.03	
Merluccius capensis, female	82.70	42	6.86	1545
Helicolenus dactylopterus	38.64	384	3.20	
Todarodes sagittatus	16.40	46	1.36	
Bathynectes piperitus	15.64	305	1.30	
Lophius vomerinus	13.40	B	1.11	1542
Nezumia sp.	11.66	246	0.97	
Galeus polli	4.30	46	0.36	
Merluccius capensis, male	4.00	2	0.33	1544
Selachophidium guentheri	3.22	62	0.27	
MYCTOPHIDAE	1.84	674	0.15	
Squilla sp.	0.30	30	0.02	
PENAEIDAE	0.16	62	0.01	
Total	1205.88		100.00	

	PROJECT STATION: 504
DATE: 28/10/94 GEAR TY	PE: BT No:7 POSITION:Lat S 2641
start stop duration	Long E 1421
TIME :16:13:00 16:43:00 30 (min)	
LOG :1368.50 1370.00 1.50	Area code : 1
FDEPTH: 336 336	GearCond.code:
BDEPTH: 336 336	Validity code:
Towing dir: 330" Wire out: 1	
Sorted: 137 Kg Total catch:	243.51 CATCH/HOUR: 487.02
SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
Lophius vomeribus	102.00 22 20.94 1551
Coelorinchus fasciatus	86.58 2262 17.78
Genypterus capensis	85.60 44 17.58 1550
Bathynectes piperitus	83.20 2158 17.08
Merluccius paradoxus, female	45.00 102 9.24 1547
Helicolenus dactylopterus	29.38 286 6.03
Merluccius capensis, female	22.20 16 4.56 1548
Galeus polli	19.50 286 4.00
Nezumia sp.	8.84 234 1.82
PENAEIDAE	1.82 858 0.37
Squilla sp.	1.30 156 0.27
Merluccius paradoxus, male	1.24 4 0.25 1546
Merluccius paradoxus, juvenile	0.36 8 0.07 1549

ner rucerus	paradoxao,	Juvenine	0.00	Ŭ
Tctal			487.02	

	PROJECT STATION: 505
DATE: 28/10/94	GEAR TYPE: BT No:7 POSITION:Lat S 2640
start stop du	uration Long E 1432
TIME :18:44:00 19:14:00	30 (min) Purpose code: 3
LOG :1381.50 1381.00 1	1.50 Area code : 1
FDEPTH: 272 267	GearCond.code: 8
BDEPTH: 272 267	Validity code: 9
Towing dir: 40° W	Wire out: 800 m Speed: 30 kn*10
Sorted: Kg Tota	al catch: CATCH/HOUR:
SPECIES	CATCH/HOUR & OF TOT. C SAMP
» • • • • • •	weight numbers

99.99

NO CATCH	0.00
Total	

			ECT STATIO	N: 506
DATE:28/10/94 GEAR TY start stop duration TIME :20:35:00 21:05:00 30 (mir	(PE: BT No:		ON:Lat S Long E	
LOG :1390.10 1391.50 1.40 FDEPTH: 218 215	Area coo GearCon	ie :1		
BDEPTH: 218 215 Towing dir: 40" Wire out:	Validity 660 m Spe		*10	
Sorted: 118 Kg Total catch:	204.98	CATCH/	HOUR: 4	09.96
SPECIES	CATCH/I		OF TOT. C	SAMP
Trachurus capensis	weight 1 126.00	448	30.73	1554
Merluccius capensis, female Merluccius capensis, male	94.90 66.80	706 476	23.15	1553 1552
Genypterus capensis Raja leopardus	31.30 26.18	24 14	7.63 6.39 4.78	1555
Callorhinchus capensis MYCTOPHIDAE Austroglossus microlepis	19.60 15.96 8.06	14 4690 12	3.89	1557
Lophius vomerinus Squalus megalops	4.68	4 14	1.14	1556
Sufflogobius bibarbatus Caleus polli	3.64	770 56	0.89	
Todarodes sagittatus Coelorinchus fasciatus	3.22	28 238	0.79	
Merluccius capensis, juveniles	0.24	6	0.06	1558
Total	409.96		99.99	
			ECT STATIO	
start stop duration	YPE: BT No:		ON:Lat S Long E	
TIME :10:34:00 11:04:00 30 (mi: LOG :1441.60 1443.10 1.50 FDEPTH: 298 293	Area co	de :1		
BDEPTH: 298 293	GearCon Validit : 890 m Sp	y code:	*10	
Sorted: 176 Kg Total catch				77.48
SPECIES	CATCH/		OF TOT. C	SAMP
Merluccius capensis, female	weight 167.80		35.14	1568
Lophius vomerinus Merluccius paradoxus, female	80.00 47.50	36 540	16.75 9.95	1566 1561
Coelorinchus fasciatus Genypterus capensis	45.60 27.70	870 16	9.55 5.80	1565
Merluccius capensis, male Merluccius paradoxus, juvenile	22.30 20.70	24 360	4.67 4.34	1567 1559
Merluccius paradoxus, female MYCTOPHIDAE	16.20 8.70	60 1690	3.39	1562
Galeus polli Helicolenus dactylopterus	8.10 6.80 5.80	80 20 110	1.70	
Squilla sp. Sufflogobius bibarbatus Lepidopus caudatus	4.70	60 10	1.21 • 0.98 0.92	
Austroglossus microlepis Merluccius paradoxus, male	4.18	4	0.88	1564 1560
Merluccius paradoxus, male	3.30	18	0.69	1563
Total	477.48		99.98	
Dame, 20 /10 /04 CEAD m	VDE. PT No.		IECT STATIO	
start stop duration	YPE: BT No: n) Purpose	6 POSITI	IECT STATIO ION:Lat S Long E	2622
	n) Purpose	6 POSITI code: 3 de ; 1	CON:Lat S	2622
start stop duration TIME :13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50	n) Purpose Area co GearCon Validit	6 POSITI code: 3 de : 1 d.code: y code:	ION:Lat S Long E	2622
start stop duration TIME :13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 BDEPTH: 319 316	n) Purpose Area co GearCon Validit :1050 m Sp	6 POSITI code: 3 de : 1 d.code: y code: g code: eed: 30 kr	ION:Lat S Long E	2622
start stop duration TIME :13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out	n) Purpose Area co GearCon Validit :1050 m Sp :: 615.60 CATCH/	6 POSITI de : 1 d.code: 1 d.code: y code: eed: 30 kr CATCH, HOUR <b>%</b>	ION:Lat S Long E	: 2622 : 1415
start stop duration TIME 13:26:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female	n) Purpose Area co GearCon Validit :1050 m Sp :: 615.60 CATCH/ weight 423.70	6 POSITI code: 3 de : 1 d.code: y code: eed: 30 kr CATCH, HOUR & numbers 242	ION:Lat S Long E 1*10 /HDUR: 12 OF TOT. C 34.41	2622 1415 231.20 SAMP 1570
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 DEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccus capensis	<pre>n) Purpose Area co GearCon Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50</pre>	6 POSITI code: 3 de : 1 d.code: y code: eed: 30 kr CATCH, HOUR & numbers 242 1800 86	<pre>CON:Lat S Long E Long E (HOUR: 12 OF TOT. C 34.41 25.60 10.27</pre>	: 2622 : 1415 :31.20 SAMP 1570 1572 1574
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius paradoxus, female Genypterus capensis Merluccius paradoxus, male Lophius vomerinus	<pre>n) Purpose Area co GearCon validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10</pre>	6 POSITI code: 3 de : 1 d.code: y code: eed: 30 kr CATCH, HOUR & numbers 242 1800	ION:Lat S Long E 1*10 /HDUR: 12 OF TOT. C 34.41 25.60	: 2622 : 1415 :31.20 :SAMP 1570 1572
start stop duration TIME :13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 DEPTH: 319 316 Towing dir: 350" Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Genypterus capensis Merluccius paradoxus, female Genypterus capensis	n) Purpose Area co GearCon Validit :1050 m Sp :: 615.60 CATCH/ weight 423.70 315.20 126.50 86.00	6 POSITI code: 3 de : 1 d.code: y code: eed: 30 kr CATCH, HOUR & numbers 242 1800 86 448 32	<pre>(0N:Lat S Long E /HDUR: 12 OF TOT. C 34.41 25.60 10.27 6.99 6.59</pre>	: 2622 : 1415 231.20 SAMP 1570 1572 1574 1571
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start stop duration TIME '13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius paradoxus, female Genypterus capensis, female Merluccius paradoxus, famale Copius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nerluccius paradoxus, juvenile DATE:29/10/94 GEAR T start stop duration TIME :15:58:00 16:28:00 30 (mi LOG :1465.20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 344 BDEPTH: 348 344 DDEPTH: 348 344 EDEPTH: 348 344 BDEPTH: 348 344 EDEPTH: 348 344 BDEPTH: 348 344 BDEPTH: 348 344 EDEPTH: 348 344 BDEPTH: 348 344 BDEPTH: 348 344 EDEPTH: 348 344 BDEPTH: 348 SA4 BDEPTH: 348 SA4 SORTED S	<pre>n) Purpose Area co GearCon validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 80.00 35.50 12.24 10.24 9.52 8.00 1.20 12.24 10.24 9.52 1231.20 YPE: BT No: CatCH/ weight sr 214.15 CATCH/ weight 87.00 73.50 69.90 54.70 46.60 37.20 14.00</pre>	6 POSIT: code: 3 de : 1 d.code: 2 cATCH, HOUR & CATCH, HOUR & CATCH, HOUR & CATCH, HOUR & CATCH, HOUR & 1 224 1800 86 448 32 224 30 144 6 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 32 224 1800 86 448 256 166 124 180 86 448 180 86 144 12 8 8 8 8 8 8 8 8 8 8 8 8 8	CON:Lat S Long E Long E (Hour: 12 OF TOT. C 34.41 25.60 10.27 6.99 6.59 6.59 6.59 6.59 6.59 6.59 7.88 1.23 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.10 0.06 99.99 JECT STATIC ION:Lat S Long I Long	22622 21415 231.20 SAMP 1570 1572 1574 1574 1575 1569 1573 1569 1573 26222 2 1407 2622 2 1407 2622 2 1407
start stop duration TIME :13:26:00 13:56:00 30 (mi LGG :1454.70 1456.20 1.50 FDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius paradoxus, female Genyterus capensis Merluccius paradoxus, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dacylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Mezumia sp. Todarodes sagittatus Galeus polli Squilla sp. Myxine capensis Total DATE:29/10/94 GEAR T start stop duration TIME :15:58:00 16:28:00 30 (mi LGG :1466.20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 344 Towing dir: 350° Wire out Sorted: 170 Kg Total catch SPECIES Coelorinchus fasciatus Merluccius capensis, female Merluccius capensis, female Merluccius capensis Helicolenus dacylopterus Centrolophus miger Galeus polli Merluccius paradoxus, male	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 12.650 86.00 12.12 13.20 12.24 10.24 9.52 8.00 1.2.96 12.24 10.24 9.52 8.00 1.20 0.72 1231.20 YPE: BT No: n) Purpose Area co GearCor Validit :1100 m Sp a: 214.15 CATCH/ weight 87.00 73.50 69.90 54.70 46.60 37.20 14.00 13.40 13.40</pre>	6 POSIT: code: 3 de : 1 d.code: 9 code: 9 code: 2022 1800 86 448 32 224 448 32 226 448 38 448 38 448 448 38 448 44	CON:Lat S Long E Long E (HOUR: 12 OF TOT. C 34.41 25.60 10.27 6.99 6.50 2.88 1.23 1.07 1.05 0.99 0.83 0.77 0.65 0.10 0.06 99.99 USECT STATIC ION:Lat S Long E HOUR: 4 0 F TOT. C 20.31 17.16 16.32 1.71 10.88 8.69 3.27 3.13 3.11	22622 21415 231.20 SAMP 1570 1572 1574 1574 1575 1569 1573 1569 1573 26222 2 1407 2622 2 1407 2622 2 1415
start stop duration TIME '13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 FDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius paradoxus, female Genyterus capensis Merluccius paradoxus, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nezumia sp. Total DATE:29/10/94 GEAR T start stop duration TIME :15:58:00 16:28:00 30 (mi LOG :1466.20 1467.70 1.50 FDEPTH: 348 344 DDEPTH: 348 344 DDEPTH: 348 344 DDEPTH: 348 344 DEPTH: 348 344 EDEPTH: 348 344 DEPTH: 348 344 DEPT	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 80.00 35.50 15.12 12.24 10.24 9.52 8.00 1.20 1.2.96 12.24 10.24 9.52 8.00 1.20 1.20 1.231.20 YPE: BT No: N) Purpose Area co GearCor Validit :1100 m Sp : 214.15 CATCH/ weight 87.00 73.50 69.90 54.70 46.60 37.20 14.00 13.40</pre>	6 POSIT: code: 3 de.code: 1 d.code: 1 d.code: 2 y code: 30 K 242 180C 86 448 32 224 30 144 45 1686 256 456 166 144 11588 256 456 166 144 112 8 PDO: code: 3 40 415 166 168 8 6 PDO: CATCH, HOUR & PDO: COMPARENT 10 COMPAREN	CON:Lat S Long E Long E Long E 10 (HDUR: 12 OF TOT. C 34.41 25.60 10.27 6.99 6.50 2.88 1.07 1.05 0.99 0.83 0.77 0.65 0.10 0.06 99.99 UECT STATIC ION:Lat S Long E Long E 17.16 17.16 10.32 12.77 10.88 8.69 3.27 3.13	22622 21415 231.20 SAMP 1570 1572 1574 1571 1575 1569 1573 1569 1573 2622 2622 2 1407 1579 1579 1579 1593 1581
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nezumia sp. Todardes sagittatus Galeus polli Squilla sp. Myxine capensis Total DATE:29/10/94 GEAR T start stop duration TIME 15:58:00 16:28:00 30 (mi LOG :1466.20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 3	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 80.00 15.12 13.20 12.24 9.52 8.00 1.24 9.52 1231.20 YPE: BT No: N Purpose Area co GearCor Validit :1100 m Sp a: 214.15 CATCH/ weight 8.70 73.50 69.90 54.70 46.60 37.20 14.00 13.34 8.84 8.84 8.84 8.84 8.84 8.84</pre>	6 POSIT: code: 3 de : 1 d.code: 2 cATCH, HOUR & CATCH, HOUR & CATCH, HOUR & CATCH, HOUR & CATCH, 1800C 8 6 1568 224 30 144 6 1568 2256 406 144 112 8 PRO: 6 POSIT: code: 3 dc.code: 4 20 4 4 4 4 4 4 4 4 4 4 4 4 4	CON:Lat S Long E Long E Long E 12 OF TOT. C 34.41 25.60 10.27 6.99 6.59 6.59 6.59 6.59 6.59 7.00 2.88 1.23 1.07 1.05 0.99 0.83 1.07 0.65 0.10 0.06 -99.99 JECT STATIC ION:Lat S Long E 10.27 10.55 0.10 0.06 -99.99 JECT STATIC ION:Lat S Long E 10.27 10.55 0.10 0.06 -99.99 JECT STATIC ION:Lat S Long I 11.16 16.32 12.77 10.88 8.69 3.21 2.73 1.13 3.11 2.06 1.23 0.26 0.24 0.21	22622 21415 231.20 SAMP 1570 1572 1574 1571 1575 1569 1573 1569 1573 2622 2622 2 1407 1579 1579 1579 1593 1581
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius paradoxus, female Genypterus capensis, female Merluccius paradoxus, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nerunia sp. Todarodes sagitatus Galeus polli Squilla sp. Myxine capensis Total DATE:29/10/94 GEAR T start stop duration TIME :15:58:00 16:28:00 30 (mi LOG :1466.20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 344 BDEPTH: 348 344 Towing dir: 350° Wire out Sorted: 170 Kg Total catch SPECIES Coelorinchus fasciatus Merluccius paradoxus, female Merluccius paradoxus, female Merluccius paradoxus, male Lophius vomerinus Genypterus capensis Helicolenus dactylopterus Centrolophus niger Galeus polli Merluccius paradoxus, male Merluccius capensis Helicolenus dactylopterus Selachophidum guentheri Merluccius capensis, male Squalus megalops Merluccius paradoxus, juvenile PENAEIDAE	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 80.00 35.50 12.24 10.24 9.52 8.00 1.20 12.24 10.24 9.52 8.00 1.20 1.20 1.21 1.21 1.20 1.20 1.23 1.20 1.21 1.21 1.20 1.24 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20</pre>	6 POSIT: code: 3 de : 1 d.code: 2 code: 30 kr prode: 2 code: 30 kr 1800 86 448 32 224 1800 86 448 1800 87 86 448 1800 87 87 87 87 87 87 87 87 87 87	CON:Lat S Long E Long E Long E 12 OF TOT. C 34.41 25.60 10.27 6.99 6.59 6.59 6.59 2.88 1.23 1.07 1.05 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.10 0.27 1.15 1.23 0.26 0.24 0.21 0	2222 21415 231.20 SAMP 1570 1572 1574 1575 1569 1573 1569 1573 2622 21407 428.30 SAMP 1577 1579 1593 1581 1578
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456.20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius paradoxus, female Genyterus capensis Merluccius paradoxus, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nezumia sp. Todardes sagittatus Galeus polli Squilla sp. Myxine capensis Total DATE:29/10/94 GENR T Start stop duration TIME :15:58:00 16:28:00 30 (mi LOG :1466.20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 344 Towing dir: 350° Wire out Sorted: 170 Kg Total catch SPECIES Coelorinchus fasciatus Merluccius paradoxus, female Lophius vomerinus Genyterus capensis Helicolenus dactylopterus Centrolophus niger Galeus polli Merluccius paradoxus, male Nezumia sp. Bathynectes piperitus Selachophidium guenteri Merluccius paradoxus, male Nezumia sp. Bathynectes piperitus Selachophidium guenteri Merluccius paradoxus, juvenile	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 85.50 15.12 12.24 10.24 9.52 8.00 1.20 1.2.96 12.24 10.24 9.52 8.00 1.20 1.20 1.231.20 YPE: BT No: VIE: BT No: VIE: BT No: VIE: 214.15 CATCH/ weight 87.00 73.50 69.90 54.70 46.60 37.20 14.00 13.34 8.84 5.28 1.10 4.08 8.00 13.40 13.34 8.84 5.28 1.10 1.04 0.88 1.04 0.88 0.84</pre>	6 POSIT) code: 3 dd.code: 1 d.code: 2 y code: 2 CATCH, HOUR & numbers 242 180C 86 448 32 224 30 144 1568 256 456 16 144 1158 256 456 16 144 1158 8 PRO 6 POSIT 5 CATCH, HOUR & 1568 448 256 448 256 448 256 448 256 448 1568 26 26 26 27 20 24 224 30 144 1588 256 456 16 144 1158 256 456 16 144 1158 256 456 16 144 1128 256 456 16 144 1128 256 456 16 144 1128 256 456 16 16 16 16 16 16 16 16 16 1	CON:Lat S Long E Long E Long E 10 (HDUR: 12 OF TOT. C 34.41 25.60 10.27 6.99 6.50 2.88 1.07 1.05 0.99 0.83 0.77 0.65 0.10 0.06 99.99 DECT STATIC ION:Lat S Long E Long E 17.16 16.32 12.77 10.88 8.69 3.27 1.1.88 8.69 3.27 1.0.88 1.2.3 1.1.23 1.2.3 1.0.7 1.2.3 1.0.7 1.2.3 1.0.7 1.2.3 1.0.7 1.0.65 1.2.3 1.0.7 1.0.65 1.2.3 1.0.7 1.0.65 1.2.3 1.0.7 1.0.7 1.0.83 0.06 1.2.7 1.0.88 1.0.7 1.0.7 1.0.83 1.0.7 1.0.7 1.0.65 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.65 1.0.7 1.0.7 1.0.88 8.69 3.27 1.1.88 8.69 3.27 1.1.88 8.69 3.27 1.1.88 8.69 3.27 1.1.88 8.69 3.27 1.2.3 1.1.23 1.1.23 1.2.24 1.2.25 1	2222 21415 231.20 SAMP 1570 1572 1574 1575 1569 1573 1569 1573 2622 2407 428.30 SAMP 1577 1579 1593 1581 1578 1576
start stop duration TIME 13:26:00 13:56:00 30 (mi LOG :1454.70 1456:20 1.50 PDEPTH: 319 316 BDEPTH: 319 316 Towing dir: 350° Wire out Sorted: 408 Kg Total catch SPECIES Merluccius capensis, female Merluccius paradoxus, female Genyterus capensis Merluccius paradoxus, male Lophius vomerinus Bathynectes piperitus Merluccius capensis, male Helicolenus dactylopterus Schedophilus huttoni Coelorinchus fasciatus Merluccius paradoxus, juvenile Nezumia sp. Todardes sagittatus Galeus polli Squilla sp. Myxine capensis Total DATE:29/10/94 GEAR T start stop duration TIME :15:58:00 16:28:00 30 (mi LOG :1466:20 1467.70 1.50 FDEPTH: 348 344 BDEPTH: 348 344 BDEPTH: 348 344 Towing dir: 350° Wire out Sorted: 170 Kg Total catch SPECIES Coelorinchus fasciatus Merluccius paradoxus, female Lophius vomerinus Genyterus capensis Helicolenus dactylopterus Centrolophus niger Galeus polli Merluccius paradoxus, male Merluccius paradoxus, juvenile FPAREDAE Squilla sp.	<pre>n) Purpose Area co GearCom Validit :1050 m Sp : 615.60 CATCH/ weight 423.70 315.20 126.50 86.00 81.10 80.00 35.50 15.12 13.20 12.24 10.24 9.52 8.00 1.2.96 12.24 10.24 9.52 8.00 1.20 1.231.20 VPE: BT No: n) Purpose Area co GearCor Validit :1100 m Sp 1: 214.15 CATCH/ weight 87.00 73.50 69.90 54.70 46.60 37.20 14.00 13.34 8.84 5.28 1.10 10.68 8.084 0.60</pre>	6 POSIT: code: 3 dd.code: 1 dd.code: 1 code: 30 kr 242 180C 86 448 32 224 180C 86 448 32 224 448 32 224 448 32 224 448 32 224 448 32 224 448 32 224 168 86 6 1568 456 166 144 112 8 PD0: 6 POSIT: code: 3 kr 40 256 456 166 166 168 166 256 456 166 166 168 166 256 456 166 166 166 166 166 166 166 1	CON:Lat S Long E Long E Long E 12 OF TOT. C 34.41 25.60 10.27 6.99 6.59 6.59 6.59 2.88 1.23 1.07 1.05 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 0.99 0.83 1.07 0.65 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.99 0.83 1.07 1.05 0.10 0.27 1.15 1.23 0.26 0.24 0.21 0	2222 21415 231.20 SAMP 1570 1572 1574 1575 1569 1573 1569 1573 2622 2407 428.30 SAMP 1577 1579 1593 1581 1578 1576

	YPE: BT NO: (			S 2624
start stop duration TIME :18:32:00 19:02:00 30 (mi			3	E 1357
LCG :1478.20 1479.70 1.50 FDEPTH: 382 383	Area coo GearCono		1	
BDEPTH: 382 383 Towing dir: 340° Wire out	Validity 1120 m Spe		kn*10	
Sorted: 81 Kg Total catch	_			284.40
SPECIES	CATCH/I		S OF TOT. C	
Coelorinchus fasciatus		numbers 1120	21.06	. oran
Helicolenus dactylopterus	55.10 38.80	540	19.37	1506
Lophius vomerinus Merluccius capensis, female	35.00	16 24	12.31	1586 1585
Genypterus capensis Merluccius paradoxus, female	31.70 24.10	24 100	11.15 8.47	1587 1583
Todarodes sagittatus Nezumia sp.	8.70 8.00	40 310	3.06 2.81	
Galeus polli Bathynectes piperitus	7.50 6.10	110 190	2.64 2.14	
Selachophidium guentheri Merluccius paradoxus, πale	2.30	60 14	0.81 0.77	1582
MYCTOPHIDAE Merluccius capensis, male	1.90	1400 2	0.67	1584
Aristeus varidens Epigonus denticulatus	0.80	450 20	0.28	
Squilla sp.	0.20	20	0.07	
Total	284.40		99.99	
			OJECT STATI	
start stop duration	YPE: BT No:		Long	S 2626 E 1344
TIME :21:13:00 21:49:00 36 (mi LOG :1492.10 1493.90 1.80	n) Purpose Area co		3 1	
FDEPTH: 417 420 BDEPTH: 417 420	GearCon Validit	d.code:		
	:1250 m Spi		kn*10	
Sorted: 86 Kg Total catch	183.74	CATC	H/HOUR:	306.23
SPECIES	CATCH/		OF TOT.	SAMP
Raja confundens	weight : 57,95	32	18.92	
Coelorinchus fasciatus Merluccius capensis, female	43.70 32.75	4750 15	14.27 10.69	1592
Helicolenus dactylopterus Selachophidium guentheri	30.40 26.92	317 475	9.93 8.79	
Nezumia sp. Genypterus capensis	25.33 25.17	982 13	8.27 8.22	1591
Merluccius paradoxus, female Lophius vomerinus	24.58 21.08	48 7	8.03 6.88	1589 1590
Merluccius paradoxus, male Epigonus denticulatus	9.17 7.28	20 507	2.99	1588
MYCTOPHIDAE Aristeus varidens	0.95	602 348	0.31	
Galeus polli	0.32	63	0.10	
Total	306.23		99.99	
			OJECT STAT	ION: 512 S 2605
start stop duration			Long	E 1339
start stop duration TIME :04:16:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60	.n) Purpose Area co	code: de :	Long 3 1	
start stop duration TIME :04:16:00 04:46:00 30 (mi LOC :1534.70 1536.30 1.60 FDEPTH: 519 523 BDEPTH: 519 523	n) Purpose Area co GearCon Validit	code: de : d.code: y code:	Long 3 1 8 9	
start stop duration TIME :04:15:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60 FDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360* Wire out	n) Purpose Area co GearCon Validit :1400 m Sp	code: de ; d.code: y code: eed; 32	Long 3 1 8 9 kn*10	E 1339
start stop duration TIME :04:15:00 04:46:00 30 (mi LOG :1:534.70 1536.30 1.60 FDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catch	n) Purpose Area co GearCon Validit ::1400 m Sp h: 157.68	code: de : d.code: y code: eed: 32 CATC	Long 3 1 8 9 kn*10 ::::::::::::::::::::::::::::::::::::	E 1339 315.36
start stop duration TIME :04:15:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60 FDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360* Wire out	n) Purpose Area co GearCon Validit ::1400 m Sp h: 157.68 CATCH/	code: de ; d.code: y code: eed: 32 CATC HOUR numbers	Long 3 1 8 9 9 kn*10 :H/HOUR: • OF TOT. (	E 1339 315.36
ttart stop duration TIME :04:15:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60 FDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catch SPECIES Merluccius paradoxus, female	n) Purpose Area co GearCon Validit ::1400 m Sp h: 157.68 CATCH/	code: de : d.code: y code: eed: 32 CATC HOUR	Long 3 1 8 9 kn*10 H/HOUR: 4 OF TOT. ( 45.44	E 1339 315.36 C SAMP 1595
start stop duration TIME :04:15:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60 FDEPTH: 519 523 DDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catch SPECIES Merluccius paradoxus, female Lophius vomerinus Nezumia sp.	n) Purpose Area co GearCon Validit ::1400 m Sp 1: 157.68 CATCH/ weight 143.30 25.90 21.66	code: de : d.code: y code: eed: 32 CATC HOUR numbers 188 642	Long 3 1 8 9 kn*10 H/HOUR: 4 OF TOT. ( 45.44 8.21 6.87	E 1339 325.36 C SAMP
start stop duration TIME :04:15:00 04:46:00 30 (mi IOC :1534.70 1536.30 1.60 FDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catch SPECIES Merluccius paradoxus, female Lophius vomerinus Nezumia sp. Notacanthus sexspinis Coelorinchus fasciatus	n) Purpose Area co GearCon Validit ::1400 m Sp a: 157.68 CATCH/ weight 143.30 25.90 21.66 21.30 19.80	code: de : d.code: y code: eed: 32 CATC HOUR numbers 188 6 642 408 174	Long 3 1 8 9 kn*10 H/HOUR: 4 OF TOT. ( 45.44 8.21 6.87 6.75 6.28	E 1339 315.36 C SAMP 1595
start stop duration TIME :04:15:00 04:46:00 30 (mi LOC :1534.70 1536:30 1.60 FDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catel SPECIES Merluccius paradoxus, female Lophius vomerinus Nezumia sp. Notacanthus sexspinis Coelorinchus fasciatus Epigonus denticulatus Deania profundorum	n) Purpose Area co GearCom Validit ::1400 m Sp A: 157.68 CATCH/ weight 143.30 25.90 21.66 21.30 19.80 17.76 12.36	code: de : d.code: y code: eed: 32 CATC HOUR numbers 188 6 6422 408 174 168 12	Long 3 1 8 9 kn*10 :H/HOUR: 4 OF TOT. 6 45.44 8.21 6.87 6.75 6.28 5.63 3.92	E 1339 315.36 C SAMP 1595
start stop duration TIME :04:15:00 04:46:00 30 (mi LOC :1534.70 1536.30 1.60 FDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catch SPECIES Merluccius paradoxus, female Lophius vomerinus Mezumia sp. Notacanthus sexspinis Coelorinchus fasciatus Epigonus denticulatus Deania profundorum Todarodes sagittatus Merluccius paradoxus, male	n) Purpose Area co GearCon Validit ::1400 m Sp h: 157.68 CATCH/ weight 143.30 25.90 21.66 21.30 19.80 19.80 17.76 12.36 11.70 10.60	code: de : d.code: y code: eed: 32 CATC HOUR numbers 188 6 642 408 174 168 12 30 30 18	Long 3 1 8 9 9 kn*10 H/HOUR: 4 OF TOT. 6 45.44 8.21 6.87 6.75 6.28 5.63 3.92 3.71 3.36	E 1339 315.36 C SAMP 1595
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start stop duration THE 04:15:00 04:46:00 30 (mi LOG :1534.70 1536.30 1.60 PDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catel SPECIES Merluccius paradoxus, female Lophius vomerinus Nezumia sp. Notacanthus sexspinis Coelorinchus fasciatus Epigonus denticulatus Deania profundorum Todarodes sagittatus Merluccius paradoxus, male Etmopterus brachyurus Selachophidium guentheri Genypterus capensis Ebinania costaeranarie Hoplostethus cadenati Trachyrincus scabrus Helicolenus dartylopterus MoxIDAE Total DATE:30/10/94 CEAR: Start stop duration TIME :66:35:00 07:05:00 30 (mi LOG :1542.70 1544.20 1.50 FDEPTH: 477 482 DDEPTH: 477 482 Towing dir: 3° Wire out Sorted: 133 Kg Total cated SPECIES Merluccius paradoxus, male Selachophidium guentheri Notacanthus sexspinis Lophius vomerinus Nezumia sp. Merluccius capensis, female Hoplostethus cadenati Raja confundens Etmopterus Lucifer Genypterus capensis Squalus megalops	<ul> <li>n) Purpose Area co GearCon validit</li> <li>::1400 m Sp</li> <li>::1400 m Sp</li> <li>::157.68</li> <li>CATCH/ weight</li> <li>143.30</li> <li>25.90</li> <li>21.66</li> <li>21.30</li> <li>19.80</li> <li>17.76</li> <li>10.60</li> <li>8.348</li> <li>.18</li> <li>.144</li> <li>.24</li> <li>2.76</li> <li>.26</li> <li>.44</li> <li>.24</li> <li>.76</li> <li>.125.36</li> <li>.127.76</li> <li>.1315.36</li> <li>TYPE: BT No:</li> <li>.1315.36</li> <li>TYPE: BT No:</li> <li>.1400 m Sp</li> <li>.441.74</li> <li>CATCH/ veight</li> <li>700.70</li> <li>.83.30</li> <li>.30.83.30</li> <li>.33.30.20</li> <li>.36</li> <li>.344</li> <li>.44</li> <li>.44</li> <li>.44</li> <li>.44</li> <li>.50</li> <li>.92</li> <li>.10</li> </ul>	code: de : d.code: ed: 32 cATC HOUR numbers 168 642 408 174 168 124 408 174 168 127 6 138 18 12 6 138 18 12 6 138 18 12 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Long 3 1 8 9 kn=10 H/HOUR: 4 OF TOT. 4 45.44 8.21 6.87 6.75 1.33 1.10 1.01 1.02 1.03 0.68 0.40 0.21 0.13 0.05 99.99 KOJECT STAT TION:Lat Long 3 1 kn=10 H/HOUR: 4 OF TOT. 4 54.59 1.238 6.82 5.49 5.75 4.94 3.14 2.35 0.61 0.55 1.35 0.50 1.35 0.55 1.35 0.55 1.35 0.55 1.35 0.55 1.35 0.55 1.35 0.55 1.35 0.55 1.35	<ul> <li>z 1339</li> <li>315.36</li> <li>c SAMP</li> <li>1594</li> <li>1596</li> <li>1596</li> <li>1597</li> <li>1596</li> <li>1598</li> <li>1283.48</li> <li>c SAMP</li> <li>1599</li> <li>1600</li> <li>1601</li> <li>1598</li> </ul>
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ctart stop duration THE 04:15:00 04:46:00 30 (mi IOC :1534.70 1536.30 1.60 PDEPTH: 519 523 BDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total cated SPECIES Merluccius paradoxus, female Lophius vomerinus Mezunia sp. Notacanthus sexspinis Coelorinchus fasciatus Epigonus denticulatus Deania profundorum Todarodes sagittatus Merluccius paradoxus, male Etmopterus brachyurus Selachophidium guentheri Genyterus capensis Ebinania costaecanarie Hoplostethus cadenati Trachyrincus scabrus Heilcolenus dactylopterus Myxine capensis Bathynectes piperitus MORIDAE Total DATE:30/10/94 CEAR: start stop duration THE :66:35:00 7:05:10 30 (mi LOC :1542.70 1544.20 1.50 PDEPTH: 477 482 Towing dir: 3° Wire out Sorted: 133 Kg Total cated SPECIES Merluccius paradoxus, female Coelorinchus fasciatus Merluccius capensis, female Hoplostethus cadenati Log is43, female Species Merluccius capensis, female Hoplostethus cadenati Raja corindens Etmopterus capensis, female Hoplostethus cadenati Etmopterus capensis Squalus megalops Galeus polli Epigonus denticulatus Todarodes sagittatus	<ul> <li>n) Purpose Area con Validit</li> <li>cearcon Validit</li> <li>carcal, veight</li> <li>143.30</li> <li>25.90</li> <li>21.66</li> <li>21.30</li> <li>19.80</li> <li>17.76</li> <li>10.60</li> <li>8.44</li> <li>18</li> <li>48</li> <li>3.48</li> <li>2.26</li> <li>0.16</li> <li>315.36</li> <li>CMTCH/ veight</li> <li>700, 70</li> <li>158.90</li> <li>carcal, 74</li> <li>chta, 75</li> <li>83.30</li> <li>7.50</li> <li>83.30</li> <li>7.78</li> <li>63.40</li> <li>40.32</li> <li>30.20</li> <li>17.36</li> <li>7.84</li> <li>4.44</li> <li>4.50</li> <li>3.92</li> <li>2.10</li> <li>1.12</li> <li>0.84</li> </ul>	code: de : d.code: ed: 32 CATC HOUR 188 6 642 174 168 174 176 177 178 178 178 178 178 178 178 178 178	Long 3 1 8 9 kn=10 H/HOUR: OF TOT. 0 45.44 8.21 6.87 6.75 6.28 5.63 3.92 3.71 3.36 2.64 2.05 1.33 1.10 0.21 0.13 0.48 0.40 0.21 0.13 0.68 0.40 0.21 0.13 0.68 0.40 0.21 0.13 0.45 1.33 1.10 0.45 4.59 12.38 6.82 5.44 2.05 5.13 1.10 0.21 0.13 0.45 0.44 2.05 1.33 0.13 0.45 0.44 2.05 1.33 0.45 0.44 2.05 1.33 0.10 0.45 4.59 12.38 6.82 5.44 2.55 1.33 1.10	<ul> <li>z 1339</li> <li>315.36</li> <li>c SAMP</li> <li>1594</li> <li>1596</li> <li>1596</li> <li>1597</li> <li>1596</li> <li>1598</li> <li>1283.48</li> <li>c SAMP</li> <li>1599</li> <li>1600</li> <li>1601</li> <li>1598</li> </ul>
ctart stop duration THE 04:15:00 04:46:00 30 (mi IOC :1534.70 1536.30 1.60 PDEPTH: 519 523 PDEPTH: 519 523 PDEPTH: 519 523 Towing dir: 360° Wire out Sorted: 113 Kg Total catel SPECIES Merluccius paradoxus, female Lophius vomerinus Nezumia sp. Notacanthus sexspinis Coelorinchus fasciatus Deania profundorum Todarodes sagittatus Merluccius paradoxus, male Etmopterus brachyurus Selachophidium guentheri Georyterus capensis Ebinania costaecanarie Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Myxine capensis Bathynectes piperitus MORIDAE Total DATE:30/10/94 Cearst stop duration TIME :06:35:00 07:05:00 30 (mi LOC ::542.70 1544.20 1.50 PDEPTH: 477 482 BDEPTH: 477 482 BDEPTH: 477 482 Towing dir: 3° Wire out Sorted: 133 Kg Total catel SPECIES Merluccius paradoxus, male Selachophidum guentheri Notacanthus sexspinis Lophius vomerinus Mezumia sp. Merluccius capensis, female Mopiostetus capensis Edinophidum guentheri Raja confundens Etmopterus locifer Genyterus capensis Galeus polli Etmopterus locifer Solatus opli	<ul> <li>n) Purpose Area con validit</li> <li>carcen validit</li> <li>carcen validit</li> <li>carcen validit</li> <li>carcen verpose</li> <licarcen verpose <li>carcen verpose</li> <li>carce</li></licarcen </ul>	code: de : d.code: ed: 32 cATC HOUR 168 642 408 174 168 12 30 30 78 22 6 138 18 18 12 12 2 2 2 2 2 2 2 2 2 2 2 2 2	Long 3 1 8 9 kn=10 H/HOUR: 4 OF TOT. 4 45.44 8.21 6.87 6.75 6.28 5.63 3.92 3.71 3.02 0.13 0.13 0.13 0.13 0.05 99.99 KOJECT STAT TION:Lat Long 3 1 kn=10 H/HOUR: 4 OF TOT. 4 8.25 1.33 0.68 0.40 0.21 0.13 0.68 0.40 0.55 99.99 12.38 6.82 5.63 1.12	<ul> <li>z 1339</li> <li>315.36</li> <li>c SAMP</li> <li>1594</li> <li>1596</li> <li>1596</li> <li>1597</li> <li>1596</li> <li>1598</li> <li>1283.48</li> <li>c SAMP</li> <li>1599</li> <li>1600</li> <li>1601</li> <li>1598</li> </ul>

	PE: ET No:		JECT STATIO	2601
start stop duration TIME :08:57:00 09:27:00 30 (min	) Purpose		Long E	1347
LOG :1553.30 1554.80 1.50 FDEPTH: 392 395	Area cod GearCond			
BDEPTH: 392 395 Towing dir: 5 <sup>*</sup> Wire out:	Validity 1160 m Spe	code:	n#10	
Sorted: 64 Kg Total catch:	247.46	CATCH	HOUR: 4	94.92
SPECIES	CATCH/H	OUR %	OF TOT. C	SAMP
Helicolenus dactylopterus	weight n 139.45	umbers 570	28.18	
Raja confundens	87.78	38 1064	17.74	
Nezumia sp. Coelorinchus fasciatus	47.50 41.42	760	9.60 8.37	
Genypterus capensis Lophius vomerinus	35.10 31.70	22 22	7.09 6.41	1607 1606
Bathynectes piperitus	30.78	570	6.22	
Merluccius paradoxus, female Todarodes sagittatus	24.30 23.56	146 38	4.91 4.76	1604
Merluccius capensis, female	13.60	8	2.75	1605
Galeus polli Myxine capensis	8.74 4.18	114 38	1.77 0.84	
Merluccius paradoxus, male Ebinania costaecanarie	3.00 1.52	22 38	0.61 0.31	1603
Aristeus varidens	1.14	152	0.23	
Notacanthus sexspinis Epigonus denticulatus	0.76	38 38	0.15	
Total	494.92		100.02	
10041	454.52		100.01	
		PRO	JECT STATIO	N: 515
DATE: 30/10/94 GEAR TY start stop duration	PE: BT No:6		ION:Lat S Long E	2603
TIME :12:14:00 12:44:00 30 (min			-	
LOG :1569.50 1571.10 1.60 FDEPTH: 325 320	Area cod GearCond			
BDEPTH: 325 320	Validity 1000 m Spe	code:	n#10	
Sorted: 97 Kg Total catch:				75.14
bortete, so ny fotal taten:	200.00	CALCE	,	
SPECIES	CATCH/H weight r	OUR %	OF TOT. C	SAMP
Galeus polli	201.50	3640	42.41	
Merluccius capensis, female Bathynectes piperitus	77.60 69.16	82 3198	16.33 14.56	1615
Lophius vomerinus	38.70	36	8.14	1613
Genypterus capensis Merluccius capensis, male	13.90 13.70	10 12	2.93 2.88	1612 1614
Merluccius paradoxus, female Helicolenus dactylopterus	12.20 8.84	142 182	2.57 1.86	1608
Squilla sp.	8,58	988	1.81	
Nezumia sp. Trachurus capensis	7.28 5.04	390 18	1.53	1695
Coelorinchus fasciatus Guentherus altivela	4.68	338	0.98	
MYCTOPHIDAE	4.00 2.50	2 2080	0.84 0.55	
Merluccius paradoxus, juvenile Neoharriotta pinnata	2.44 2.00	60 2	0.51 C.42	1609
Austroglossus microlepis	1.26	2	0.27	1610
Merluccius paradoxus, male	0.88	16	C.19	1611
Shrimps, small, non comm.	0.52	286	0.11	
Shrimps, small, non comm. Chlorophthalmus punctatus	0.52 0.26	286 52	0.11 0.05	
Chlorophthalmus punctatus	0.26		0.05	
Chlorophthalmus punctatus — Total —	0.26	52 PRO	0.05 100.00	DN: 516 5 2602
Chlorophthalmus punctatus Total	0.26 475.14	52 PRO POSI1	0.05 100.00 DECT STATIC	2602
Chlorophthalmus punctatus — Total — DATE: 30/10/94 GEAR TY	0.26 475.14	52 PRO POSIO code: 3	0.05 100.00 DJECT STATIC NON:Lat S Long F	2602
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286	0.26 475.14 PE: BT No:6 ) Purpose Area coo GearCond	52 PRO POSID code: 1 l. code:	0.05 100.00 DJECT STATIC NON:Lat S Long F	2602
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20	0.26 475.14 PE: BT No:6 ) Purpose Area coo GearCond Validity	52 PRO POSIN code: 1 l.code: 1 l.code:	0.05 100.00 DJECT STATIC TION:Lat S Long F	2602
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME :14: 29: 00 14: 52: 00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 EDEPTH: 282 286	0.26 475.14 PE: BT No:6 Purpose Area coor GearCoor Validity 900 m Spe	52 PRG POSID code: 2 l. code: 4 r code: r code: 4 r code	0.05 100.00 DJECT STATIC CION:Lat S Long F	2602
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 BDEPTH: 282 286 Towing dir: 350° Wire out:	0.26 475.14 PE: BT No:6 Purpose Area coo CearCond Validity 900 m Spe 200.95 CATCH/H	52 PRG POSITI code: 2 le : 1 l.code: 4 r.code: 3 l.code: 3 l.code: 4 code: 4 c	0.05 100.00 DJECT STATIC CION:Lat S Long F	5 2602 5 1406 524.24
Chlorophthalmus punctatus Total DATE: 30/10/94 CEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 BDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch:	0.26 475.14 PE: BT No:6 Purpose Ares coor Validity 900 m Spe 200.95 CATCH/F	52 PRC POSIT code: 2 le : 1 l.code: 2 code: 4 code: 3 code: 4 code: 3 code: 2 code: 4 code: 4	0.05 100.00 DJECT STATIC TION:Lat S Long F  m*10 B/HOUR: S	5 2602 5 1406 524.24
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus	0.26 475.14 PE: BT No:6 Purpose Area coo GearCoor Validity 900 m Spe 200.95 CATCH/F weight 1 206.61 153.65	52 PRG POSIJ code: 2 le : J .code: 2 r code: 31 k code: 31 k cATCH SOUR 5 humbers 117 125	0.05 100.00 DJECT STATIC TION:Lat S Long I 	5 2602 2 1406 524.24 SAMP
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LOC :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Toving dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male	0.26 475.14 PE: BT No:6 Area con CearConc Validity 900 m Spe 200.95 CATCH/F weight J 206.61 150.65 73.04 33.91	52 PRG POSITI code: 2 le : J l.code: 7 code: 3 r code: 3 l.code: 1 l.code: 7 l.code: 1 code: 1 l.code: 1 l.code: 1 l.code: 2 l.code: 2 l.code: 1 l.code: 1 l	0.05 100.00 DJECT STATIC TION:Lat S Long F       	524.24 SAMP 1616 1620 1617
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 BDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austrojlosus microlepis	0.26 475.14 PE: BT No:6 Area coo CearCoor Validity 900 m Spe 200.95 CATCH/T weight r 206.61 150.65 73.04 33.91 31.43	52 PRG FOST 1.code: 2 1.code: 7 rode: 3 rode: 3 rode: 11 CATC! 80UR 1 117 125 613	0.05 100.00 DJECT STATIC TON:Lat S Long I 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	524.24 SAMP 1616 1620
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME : 14:29:00 14:52:00 23 (min LOG : 1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles	0.26 475.14 PE: BT No:6 Purpose Area coo Validity 900 m Spe 200.96 CATCH/f weight 1 206.61 150.65 73.04 33.91 31.43 16.30 3.78	52 PRG POSID code: 2 le : 1 l.code: 2 r.code: 3 r.code:	0.05 100.00 DJECT STATIC TION:Lat S Long E       	524.24 SAMP 1616 1620 1617
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus Lucifer Genypterus capensis	0.26 475.14 475.14 PE: BT No:6 Area coor CearCoor Validity 900 m Spec 200.95 CATCH/F weight 1 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24	52 PRG POSITI CODE: 2 1.code: 2 1.code: 2 1.code: 3 2.code: 3 2.code: 3 117 125 613 94 37 704 91 5	0.05 100.00 DJECT STATIC TION:Lat S Long I 4 AHOUR: 5 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	524.24 524.24 524.24 1616 1620 1617 1619
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus lucifer Genyterus capensis Sufflogobius bibarbatus	0.26 475.14 PE: BT No:6 Area coo CearCoor validity 900 m Spe 200.96 CATCH/T weight r 206.61 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24 1.04	52 PRG POSID code: 2 le : 1 l.code: 2 r code: 4 r code: 4 r code: 4 r code: 1 r code: 1 r code: 4 r code:	0.05 100.00 DJECT STATIC TION:Lat S Long F 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	524.24 SAMP 1616 1620 1617 1619 1618
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus Lucifer Genypterus capensis	0.26 475.14 475.14 PE: BT No:6 Area coor CearCoor Validity 900 m Spec 200.95 CATCH/F weight 1 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24	52 PRG POSITI CODE: 2 1.code: 2 1.code: 2 1.code: 3 2.code: 3 2.code: 3 117 125 613 94 37 704 91 5	0.05 100.00 DJECT STATIC TION:Lat S Long I 4 AHOUR: 5 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 5 5 5 5	524.24 SAMP 1616 1620 1617 1619 1618
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min loc :1580.60 1581.80 1.20 FDEPTH: 282 286 BDEPTH: 282 286 Toving dir: 350° Wire out: Sorted: 170 kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus lucifer Genyterus capensis Sufflogobius bibarbatus Todaropsis eblanae	0.26 475.14 PE: BT No:6 Area coc CearConc Validity 900 m Second 200.95 CATCH/F weight 1 150.65 73.04 31.43 16.30 3.78 3.65 2.24 1.04 0.78	52 PRG FOST3 code: 2 l.code: 2 l.code: 2 l.code: 4 code: 4 code: 4 l.code: 4	0.05 100.00 DJECT STATIC TION:Lat S Long F       	524.24 SAMP 1616 1620 1617 1619 1618
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Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY Start stop duration TIME :14:29:00 14:52:00 23 (min LoG :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus lucifer Todaropsis eblanae Tachurus capensis Total DATE: 30/10/94 GEAR TT start stop duration	0.26 475.14 PE: BT No:6 Purpose Area con CearCont y00 m Spectro 200.95 CATCH/F weight J 206.61 150.65 73.04 31.43 16.30 3.78 3.65 2.24 1.04 0.78 0.78 524.21 PE: BT No:6	52 PRC PRC PRC PCC PCC PCC PCC PCC	0.05 100.00 DJECT STATIC ION.Lat S Long F 	<ul> <li>2602</li> <li>2602</li> <li>21406</li> <li>524.24</li> <li>SAMP</li> <li>1616</li> <li>1620</li> <li>1617</li> <li>1619</li> <li>1618</li> <li>1621</li> <li>20N: 517</li> </ul>
Chlorophthalmus punctatus Total DATE: 30/10/94 GEAR TY start stop duration TIME :14: 29:00 14:52:00 23 (min LGS :1580.60 1581.80 1.20 FDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus lucifer Genyterus capensis Sufflogobius bibarbatus Todaropsis eblanae Trachurus capensis Total DATE: 30/10/94 GEAR TY start stop duration TIME :16:40:00 16:55:00 15 (min	0.26 475.14 PE: BT No:6 Area coord CearCoord Validity 900 m Spec 200.95 CATCH/I weight 1 150.65 73.04 31.43 16.30 3.78 3.65 2.24 1.04 0.78 0.78 524.21 PE: BT No:6	52 PRG POSIG code: : lae : J .code: : code: :	0.05 100.00 DJECT STATIC VION:Lat S Long E 4 MADUR: 25 4 13.93 13.93 13.93 13.93 13.93 13.93 13.93 13.93 13.93 13.93 13.93 13.93 10.20 0.15 0.15 100.01 DJECT STATIC VION:Lat Long 3 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.01 100.00	<ul> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> <li>2602</li> </ul>
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Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LOG :1580.60 1581.80 1.20 FDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis, juveniles Etmopterus lucifer Genypterus capensis Sufflogobius bibarbatus Total DATE:30/10/94 GEAR TY start stop duration TIME :16:40:00 16:55:00 15 (min LOG :1591.00 .70 FDEPTH: 249 240 Towing dir: 91° Wire out: Sorted: 93 Kg Total catch: SPECIES Lophius vomerinus Callorhinchus capensis, female Merluccius capensis,	0.26 475.14 PE: BT No:6 Area coc CearCond Validity 900 m Spe 200.95 CATCH/F weight J 206.61 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24 1.04 0.78 0.78 0.78 524.21 PE: BT No:6 Area coc GearCond No:78 0.78 157.58 CATCH/F Weight J 142.60 129.60 157.58 CATCH/F Weight J 142.60 129.60 11.96 98.80 41.40 40.00 24.12 20.60	52 PRG PRG PRG PRG PCST Code: 1 1 Code: 2 1 Code: 2 1 Code: 3 1 Code: 2 1 Code: 3 1 2 5 6 1 3 7 7 0 4 1 2 5 1 7 0 4 1 2 5 1 7 0 4 1 2 5 1 7 0 4 1 2 5 1 7 0 4 1 2 5 1 7 0 4 1 3 1 2 5 1 7 0 4 1 3 7 0 4 1 1 7 0 4 1 1 7 0 4 1 1 7 0 4 1 1 7 0 4 1 1 7 0 4 1 1 7 0 4 1 1 3 1 1 3 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1	0.05 100.00 DJECT STATIC ION:Lat 5 Long F 	<ul> <li>2602</li> <li>2602</li> <li>21406</li> <li>524.24</li> <li>SAMP</li> <li>1616</li> <li>1620</li> <li>1617</li> <li>1619</li> <li>1618</li> <li>1621</li> <li>DN: 517</li> <li>52602</li> <li>51414</li> <li>530.32</li> <li>SAMP</li> <li>1623</li> </ul>
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min 10G :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 DDEPTH: 282 286 Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis Sufflogobius bibarbatus Todaropsis eblanae Trachurus capensis Sufflogobius bibarbatus Total DATE:30/10/94 GEAR TT Start stop duration TIME :16:40:00 16:55:00 15 (min LOG :1591.00 1591.70 0.70 FDEPTH: 249 240 DDEPTH: 249 240 Towing dir: 91° Wire out: Sorted: 93 Kg Total catch: SPECIES Lophius vomerinus Callorhinchus capensis Sufflogobius bibarbatus Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Callorhinchus capensis, male Callorhinchus capensis, female Merluccius capensis, male Callorhinchus capensis, female Merluccius capensis, male Callorhinchus capensis, male	0.26 475.14 PE: BT No:6 Area coordination of the second	52 PRG PRG PRG PRG PCST Code: 2 r code: 2 r code: 2 r code: 2 PCC PCC PCC PCC PCC PCC PCC PC	0.05 100.00 DJECT STATIC TION:Lat S Long E 3 4 HOUR: 9 4 HOUR: 9 4 13.93 6.47 6.07 0.72 0.70 0.43 0.20 0.15 100.01 DJECT STATIC TION:Lat : Long S 4 HOUR: 9 4 13.93 1.1 0.72 0.70 0.15 100.01 DJECT STATIC S 100.01 DJECT STATIC S 100.01	5 2602 2 1406 524.24 SAMP 1616 1620 1617 1619 1618 1621 001: 517 5 2602 5 1414 530.32 SAMP 1624 1623 1623
Chlorophthalmus punctatus Total DATE:30/10/94 GEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min loC :1580.60 1581.80 1.20 FDEPTH: 282 286 DDEPTH: 282 286 DDEPTH: 282 286 Sorted: 170 Kg Total catch: Species Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis Sufflogobius bibarbatus Todaropsis eblane Trachurus capensis Total DATE:30/10/94 GEAR TI Ithe :15:40:00 16:55:00 15 (min LOG :1591.00 15:91.70 0.70 FDEPTH: 249 240 DOTE: 30/10 (15:10 15 (min LOG :1591.00 15:91.70 0.70 FDEPTH: 249 240 Towing dir: 91" Wire out: Sorted: 93 Kg Total catch: SPECIES Lophius vomerinus Callorhinchus capensis, female Merluccius capensis fema	0.26 475.14 PE: BT No:6 Area coc CearCond Validity 900 m Spe 200.95 CATCH/F weight J 206.61 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24 1.04 0.78 0.78 0.78 524.21 PE: BT No:6 Area coc GearCond No:78 0.78 157.58 CATCH/F Weight J 142.60 129.60 157.58 CATCH/F Weight J 142.60 129.60 11.96 98.80 41.40 40.00 24.12 20.60	52 PRG PRG POST3 code: : :code: : :co	0.05 100.00 DJECT STATIC TION:Lat S Long E 100:Lat S 100:Lat	5 2602 2 1406 524.24 SAMP 1616 1620 1617 1619 1618 1621 001: 517 5 2602 5 1414 530.32 SAMP 1624 1623 1623
Chlorophthalmus punctatus Total DATE:30/10/94 CEAR TY start stop duration TIME :14:29:00 14:52:00 23 (min LGG :1580.60 1581.80 1.20 FDEPTH: 282 286 Towing dir: 350° Wire out: Sorted: 170 Kg Total catch: SPECIES Merluccius capensis, female Lophius vomerinus Coelorinchus fasciatus Merluccius capensis, male Austroglossus microlepis Squilla sp. Merluccius capensis Total DATE:30/10/94 CEAR TY start stop duration TIME :16:40:00 16:55:00 15 (min LGG :1591.00 1591.70 0.70 FDEPTH: 249 240 TOWing dir: 91° Wire out: Sorted: 93 Kg Total catch: SPECIES Lophius vomerinus Callorhinchus capensis Sufflogobius bibarbatus Total Towing dir: 91° Wire out: Sorted: 93 Kg Total catch: SPECIES Lophius vomerinus Callorhinchus capensis, male Galeorhinus galeus Squilla sp.	0.26 475.14 PE: BT No:6 Area coc CearCond Validity 900 m Spe 200.95 CATCH/F weight J 206.61 150.65 73.04 33.91 31.43 16.30 3.78 3.65 2.24 1.04 0.78 0.78 524.21 PE: BT No:6 (CATCH/F Weight J 524.21 PE: BT No:6 (CATCH/F BOO m Spe 157.58 CATCH/F Weight J 142.60 129.60 157.58 CATCH/F Weight J 142.60 129.60 11.96 98.80 41.40 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.27 20.26 20.26 20.26 20.26 20.27 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.26 20.27 2	52 PRG PRG PRG PRG PCST Code: 2 r code: 2 r code: 2 r code: 2 PCC PCC PCC PCC PCC PCC PCC PC	0.05 0.05 100.00 DJECT STATIC ION:Lat S Long E 0.05 0.05 0.05 0.05 0.05 0.05 0.05 0.15 0	5 2602 2 1406 524.24 SAMP 1616 1620 1617 1619 1618 1621 001: 517 5 2602 5 1414 530.32 SAMP 1624 1623 1623

PROJECT STATION: 518
DATE: 30/10/94 GEAR TYPE: BT No: POSITION: Lat S 2600
start stop duration Long E 1421
TIME :18:04:00 18:34:00 30 (min) Purpose code: 3
LOG :1598.40 1599.80 1.40 Area code : 1
FDEPTH: 197 196 GearCond.code:
BDEPTH: 197 196 Validity code:
Towing dir: 70° Wire out: 600 m Speed: 28 kn*10
Sorted: 37 Kg Total catch: 605.80 CATCH/HOUR: 1211.60

SPECIES	CATCH/HOUR		I OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, male	581.70	4116	48.01	1626
Merluccius capensis, female	577.50	3696	47.66	1627
Sufflogobius bibarbatus	21.84	2100	1.80	
Trachurus capensis	9.24	42	0.76	
Merluccius capensis, female	6.00	4	0.50	1629
Merluccius capensis, male	5.80	4	0.48	1628
Lophius vomerinus	5.78	8	0.48	1631
MYCTOPHIDAE	2.94	546	0.24	
Austroglossus microlepis	0.80	8	0.07	1630
Total	1211.60		100.00	

	PROJECT ST	ATION: 519
DATE: 31/10/94 GEAR TYP	E: BT No:6 POSITION:Lat	S 2546
start stop duration	Lone	9 E 1429
TIME :03:05:00 03:23:00 18 (min)	Purpose code: 3	
LOG :1644.70 1645.60 0.90	Area code : 1	
FDEPTH: 163 152	GearCond.code:	
BDEPTH: 163 162	Validity code:	
Towing dir: 315 Wire out:	550 m Speed: 30 kn*10	
Sorted: 26 Kg Total catch:	34.74 CATCH/HOUR:	115.80
SPECIES	CATCH/HOUR & OF TOT	. C SAMP
·····	weight numbers	
Merluccius capensis, female	55.17 513 47.	
Sufflogobius bibarbatus	27.30 4667 23.	
Merluccius capensis, male	24.00 313 20.	
Merluccius capensis, juveniles		79 1634
Trachurus capensis	1.30 7 1.	
Austroglossus microlepis	1.20 3 1.	04 1635

Total

115.67

99.90

	E	ROJECT STATION: 520
DATE: 31/10/94 GEAR TY	PE: BT No:8 POS	ITION:Lat S 2534
start stop duration		Long E 1347
TIME :09:45:00 10:15:00 30 (min	) Purpose code:	
LOG :1692.60 1694.10 1.50	Area code	1
FDEPTH: 314 317	GearCond.code:	
BDEPTH: 314 317	Validity code:	
Towing dir: 350° Wire out:	950 m Speed: 29	
Sorted: 218 Kg Total catch:	370.25 CA3	CH/HOUR: 740.50
Solled, Ho ky Hotal Catch.	570.25 CK	CH/HOUR: 740.50
SPECIES	CATCH/HOUR	& OF TOT. C SAMP
	weight numbers	
Merluccius capensis, female	289.10 252	
Helicolenus dactylopterus	250.00 2340	
Lophius vomerinus	54.90 34	
Coelorinchus fasciatus	50.80 840	
Merluccius capensis, male	44.50 40	
Genypterus capensis	14.80 8	3 2.00 1641
Merluccius paradoxus, female	13.60 180	1.84 1638
Galeus polli	13.00 300	1.76
Bathynectes piperitus	4.20 120	0.57
Merluccius paradoxus, juvenile	2.80 100	0.38 1639
Aristeus varidens	1.40 380	0.19
Chlorophthalmus atlanticus	0.80 100	0.11
Todaropsis eblanae	0.60 40	0.08
Total	740.50	100.01

		PROJECT STA	TION: 521
DATE: 31/10/94	GEAR TY	PE: BT No:8 POSITION:Lat	S 2533
start	stop duration	Lond	E 1341
TIME :11:30:00	11:38:00 8 (min	) Purpose code: 3	
LOG :1702.20	1702.60 0.40	Area code : 1	
FDEPTH: 394	394	GearCond.code:	
BDEPTH: 394	394	Validity code:	
Towing di	r: 350° Wire out:	1160 m Speed: 30 kn*10	
Sorted: 96 Kg	Total catch:	244.74 CATCH/HOUR:	1835.55

SPECIES	CATCH	CATCH/HOUR		SAMP
	weight	numbers		
Relicolenus dactylopterus	408.75	1463	22.27	
Lophius vomerinus	300.08	188	16.35	1647
Lophius vaillanti	193.43	83	10.54	1648
Hoplostethus cadenati	176.63	9113	9.62	
Nezumia sp.	168.75	4838	9.19	
Galeus polli	150.75	8663	8.21	
Coelorinchus fasciatus	114.75	2588	6.25	
Bathynectes piperitus	95.63	7650	5.21	
Genypterus capensis	58.50	45	3.19	1646
Merluccius capensis, female	54.75	23	2.98	1644
Merluccius paradoxus, female	31.80	128	1.73	1642
Epigonus denticulatus	24.75	1463	1.35	
Ebinania costaecanarie	22.50	338	1.23	
Myxine capensis	10.13	113	0.55	
Selachophidium guentheri	10.13	225	0.55	
Merluccius paradoxus, male	6.15	38	0.34	1643
Merluccius paradoxus, juvenile	2.85	60	0.16	1645
Squilla sp.	2.25	450	0.12	
Total	1832.58		99.84	

			P	ROJECT STAT	ION	522
DATE:31/10/94	c	EAR TYPE: BT	No:8 POS	ITION:Lat	s	2532
start	stop dura	tion		Long	Е	1337
TIME :12:53:0	0 13:03:00 10	) (min) Pur	pose code:	1		
LOG :1708.90	1709.40 0.5	50 Are	a code :	3		
FDEPTH: 472	474	Gea	rCond.code:			
BDEPTH: 472	474	Val	idity code:			
Towing	dir: 360° Wir	e out:1350 m	Speed: 30	kn*10		
C	V		4.52 010	211 /10/20		
Sorted: 78	Kg Total	catch: 16	4.53 CAT	CH/HOUR:	98:	7.18

SPECIES	CATCH	/HOUR	3 OF TOT. C	SAMP
	weight	numbers		
Lophius vomerinus	361.20	102	36.59	1650
Selachophidium guentheri	165.80	3360	16.90	
Nezumia sp.	142.80	5160	14.47	
Hoplostethus cadenati	82.80	3960	8.39	
RAYS	80.40	120	8.14	
Merluccius paradoxus, female	74.70	174	7.57	1651
Coelorinchus fasciatus	40.80	840	4.13	
Galeus polli	13.20	1080	1.34	
Bathynectes piperitus	8.40	120	0.85	
Schedophilus huttoni	6.54	6	0.66	
Epigonus denticulatus	4.80	120	0.49	
Merluccius paradoxus, male	2.34	24	0.24	1649
Trachyrincus scabrus	1.20	120	0.12	
Bassanago albescens	1.20	120	0.12	
Total	987.18		130.01	

					PROJECT STAT	ION: 523
DATE: 31/	10/94		GEAR TY	PE: BT No:8	POSITION:Lat	s 2522
	start	stop d	uration		Long	E 1352
TIME :1	5:39:00	16:09:00	30 (min)	) Purpose co	de: 3	
LOG :1	729.40	1731.00	1.60	Area code	: 1	
FDEFTH:	255	268		GearCond.c	ode:	
BDEPTH:	255	268		Validity c	ode:	
т	owing d	ir: 240*	Wire out:	800 m Speed	: 31 kn*10	
Sorted	: 125 K	g Tot	al catch:	416.99	CATCH/HOUR:	833.98

SPECIES	CATCH	/HOUR	OF TOT. C	SAMP
	weight	numbers		
Trachurus capensis	340.00	1120	40.77	1656
Merluccius capensis, female	222.36	624	26.66	1653
Merluccius capensis, male	96,70	340	11.60	1652
Coelorinchus fasciatus	70.00	1280	8.39	
MYCTOPHIDAE	43.20	14800	5.18	
Sufflogobius bibarbatus	23.60	2600	2.83	
Helicolenus dactylopterus	17.20	160	2.06	
Lophius vomerinus	5.60	8	0.67	1655
Squalus megalops	5.60	40	0.67	
RAYS	3.12	2	0.37	
Merluccius capensis, juveniles	3.00	78	0.36	1654
Todarodes sagittatus	2.40	40	0.29	
Squilla sp.	1.20	40	0.14	
Total	833.98		99.99	

	PROJECT STATIC	DN: 524
DATE: 31/10/94	GEAR TYPE: BT No:8 POSITION:Lat	5 2523
start	stop duration Long I	E 1348
TIME :17:38:00	17:53:00 15 (min) Purpose code: 3	
LOG :1738.50	739.20 0.70 Area code : 1	
FDEPTH: 298	298 GearCond.code:	
BDEPTH: 298	298 Validity code:	
Towing di	: 358" Wire out: 925 m Speed: 28 kn*10	
Sorted: 96 Kg	Total catch: 126.88 CATCH/HOUR:	507.52

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	245.00	320	48.27	1658
Trachurus capensis	105.60	300	20.81	1659
Lophius vomerinus	40.00	40	7.88	1662
Merluccius capensis, male	36.00	112	7.09	1657
Helicolenus dactylopterus	34.20	444	6.74	
Coelorinchus fasciatus	28.44	432	5.60	
Chlorophthalmus atlanticus	9.48	84	1.87	
Galeus polli	7.68	216	1.51	
Merluccius capensis, juveniles	2.16	64	0.43	1661
Merluccius paradoxus, female	1.36	16	0.27	1660
Genypterus capensis	1.24	4	0.24	1663
Squilla sp.	0.24	36	0.05	
Bathynectes piperitus	0.12	12	0.02	
Total	511.52		100.78	

		PI	ROJECT STAT	ION: 525
DATE: 31/10/94	GEAR TYPE	: BT No:8 POST	TION:Lat	S 2521
start	stop duration		Long	E 1341
TIME :18:57:00	19:17:00 20 (min)	Purpose code:	3	
LOG :1746.40	1747.40 1.00	Area code :	1	
FDEPTH: 357	357	GearCond.code:		
BDEPTH: 357	357	Validity code:		
Towing d	ir: • Wire out:10	60 m Speed: 30	kn*10	

Sorted: 76 Kg Total catch: 118.81 CATCH/HOUR: 356.43

SPECIES	CATCH	I/HOUR	• OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	135.45	87	38.00	1565
Galeus polli	74.76	2136	20.97	
Helicolenus dactylopterus	73.20	1008	20.54	
Lophius vomerinus	45.90	24	12.88	1668
Squilla sp.	9.64	624	2.76	
Todarodes sagittatus	6.48	12	1.82	
Genypterus capensis	1.89	3	0.53	1669
Merluccius paradoxus, female	1.86	15	0.52	1667
Coelorinchus fasciatus	1.80	72	0.51	
Merluccius paradoxus, male	1.68	9	0.47	1666
Merluccius capensis, male	1.53	3	0.43	1664
Nezumia sp.	0.64	60	0.24	
Bathynectes piperitus	0.64	36	0.24	
Aristeus varidens	0.12	96	0.03	
Hoplostethus cadenati	0.12	12	0.03	
Chlorophthalmus atlanticus	0.12	12	0.03	
Total	356.43		100.00	

		T STATION: 526		
DATE:31/10/94 GEAR T start stop duration		Long E 1338	DATE: 1/11/94 GEA start stop durati	PROJECT STATION: 529 R TYPE: BT No:8 POSITION:Lat S 2504 Dn Long E 1336
TIME :20:13:00 20:43:00 30 (mi LOG :1752.30 1753.80 1.50	n) Purpose code: 3 Area code : 1	20119 2 2330	TIME :00:58:00 01:28:00 30 LOG :1771.50 1773.00 1.50	
FDEPTH: 452 464 BDEPTH: 452 464	GearCond.code: Validity code:		FDEPTH: 500 504 BDEPTH: 500 504	GearCond.code: Validity code:
	:1300 m Speed: 33 kn*10	0		out:1400 m Speed: 30 kn*10
Sorted: 159 Kg Total catch	: 316.29 CATCH/HO	UR: 632.58	Sorted: 168 Kg Total ca	tch: 663.96 CATCH/HOUR: 1327.92
SPECIES		TOT. C SAMP	SPECIES	CATCH/HOUR & OF TOT. C SAMP
Merluccius paradoxus, female	weight numbers 149.10 396	23.57 1671	Merluccius paradoxus, female	weight numbers 742.26 1184 55.90 1685
Selachophidium guentheri Lophius vomerinus	105.56 1352 86.60 34	16.69 13.69 1673	Selachophidium guentheri Nezumia sp.	130.46 2346 9.82 109.94 1920 8.28
Galeus polli Merluccius capensis, female	58.50 806 43.20 20	9.25 6.83 1672	Lithodes ferox Merluccius capensis, female	92.36 264 5.96 65.40 24 4.92 1687
Trachyrincus scabrus Raja confund <del>e</del> ns	42.64 260 27.82 26	6.74 4.40	RAJIDAE Galeus polli	50.72 88 3.82 42.22 542 3.18
Nezumia sp. Hoplostethus cadenati	23.14 546 22.88 884	3.66 3.62	Merluccius paradoxus, male Lophius vomerinus	32.10 65 2.42 1684 15.60 8 1.17 1688
Ebinania costaecanarie Helicolenus dactylopterus	20.54 26 17.94 26	3.25	Coelorinchus fasciatus Hoplostethus atlanticus	8.94 44 0.67 6.60 338 0.50
Notacanthus sexspinis	7.02 260	1.11	Merluccius capensis, male	5.70 4 0.43 1686
Genypterus capensis Merluccius paradoxus, male	6.80 4 6.80 30	1.07 1674 1.07 1670	Photichthys argenteus Deania profundorum	5.56 294 0.42 5.42 14 C.41
Coelorinchus fasciatus Bassanago albescens	6.76 104 2.86 52	1.07 0.45	Todarodes sagittatus Notacanthus sexspinis	5.28 14 C.40 3.66 132 C.28
Epigonus denticulatus S H R I M P S	2.34 130 2.08 806	0.37 0.33	Epigonus denticulatus Helicolenus dactylopterus	2.64 132 C.20 1.90 14 0.14
Total	632.58	100.01	Trachyrincus scabrus Stomias boa boa	0.58 14 0.04 0.44 58 0.03
			Allocyttus verrucosus	0.14 30 0.01
			Total	1327.92 100.00
				PROJECT STATION: 530 R TYPE: BT No:8 POSITION:Lat S 2504
			start stop durati TIME :06:36:00 07:06:00 30	(min) Purpose code: 3
		T STATION: 527 :Lat S 2515	LOG :1785.50 1787.00 1.50 FDEPTH: 410 412	Area code : l GearCond.code:
start stop duration TIME :21:35:00 22:05:00 30 (mi		Long E 1335	BDEPTH: 410 412 Towing dir: 90° Wire	Validity code: out:1200 m Speed: 30 kn*10
LCG :1757.30 1758.90 1.60 FDEPTH: 553 562 BDEPTH: 553 562	Area code : 1 GearCond.code: Validity code:		Sorted: 158 Kg Total ca	tch: 412.01 CATCH/HOUR: 824.02
Towing dir: 300° Wire out	:1500 m Speed: 33 kn*1	0	SPECIES	CATCH/HOUR % OF TOT. C SAMP
Sorted: 153 Kg Total catch	1: 323.01 CATCH/HO	UR: 646.02	Helicolenus dactylopterus	weight numbers 229.50 3798 27.85
SPECIES	CATCH/HOUR 1 OF	TOT. C SAMP	Lophius vomerinus Nezumia sp.	152.70 118 18.53 1693 95.40 3906 11.58
Merluccius paradoxus, female	weight numbers 214.90 278	33.27 1676	Galeus polli Hoplostethus cadenati	93.24 1872 11.32 66.78 3348 8.10
Selachophidium guentheri	115.50 2134 105.82 1386	17.68 16.38	Merluccius capensis, female	43.20 18 5.24 1692
Nezumia sp. Raja confundens	66.66 154	10.32	Merluccius paradoxus, female Selachophidium guentheri	25.20 1152 3.06
Galeus polli Coelorinchus fasciatus	33.88 330 25.52 154	5.24 3.95	Raja confundens Genypterus capensis	23.76 18 2.88 18.54 16 2.25 1694
Lophius vomerinus Lithodes ferox	23.10 4 12.20 18	3.58 1679 1.89	Ebinania costaecanarie Merluccius capensis, male	16.38 180 1.99 9.90 6 1.20 1691
Merluccius paradoxus, male Merluccius paradoxus, female	12.20 20 8.14 44	1.69 1675 1.26 1677	SHRIMPS Squilla sp.	6.12 2178 0.74 5.04 396 0.61
Photichthys argenteus Merluccius capensis, female	7.48 572 5.30 2	1.16 0.82 1678	Coelorinchus fasciatus Todaropsis eblanae	4.50 270 0.55 2.16 18 0.26
Trachyrincus scabrus Genypterus capensis	4.84 22 4.76 2	0.75 0.74 1680	Merluccius paradoxus, male Bathynectes piperitus	1.30 6 0.16 1689 1.08 144 0.13
Notacanthus sexspinis Hoplostethus cadenati	4.40 198 0.88 66	0.68	Chlorophthalmus atlanticus	0.72 36 0.09
Trachurus capensis	0.22 22	0.03	Total	824.02 100.00
melanocetus jonnsoni	0.22 22 	0.03		
Total	640.02	103.01		PROJECT STATION: 531
			DATE: 1/11/94 GEA start stop durati	R TYPE: BT No:8 POSITION:Lat S 2503 on Long E 1346
			TIME :08:34:00 09:04:00 30 LOG :1795.70 1797.10 1.40	
			FDEPTH: 272 276 BDEPTK: 272 276	GearCond.code: Validity code:
				out: 800 m Speed; 30 kn*10
		T STATION: 528	Sorted: 26 Kg Total ca	tch: 34.10 CATCH/HOUR: 68.20
start stop duration		Lat S 2510 Long E 1334		
TIME :22:58:00 23:28:00 30 (mi LOG :1762.60 1764.20 1.60	Area code : 1		SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
FDEPTH: 602 609 BDEPTH: 602 609	GearCond.code: Validity code:		Merluccius capensis, female Pterothrissus belloci	34.30 46 50.29 1697 8.04 96 11.79
Towing dir: 355° Wire out		0	Sufflogobius bibarbatus Lophius vomerinus	7.86 1068 11.52 7.86 16 11.52 1599
Sorted: 164 Kg Total catch	1: 494.81 CATCH/HO	UR: 989.62	Squilla sp. Trachurus capensis	5.70 336 8.36 2.16 24 3.17
SPECIES	CATCH/HOUR & OF	TOT. C SAMP	Merluccius capensis, male	1.92 4 2.82 1696
	weight numbers		Merluccius capensis, juveniles	
Merluccius paradoxus, female Nezumia sp.	279.20 354 194.12 2898	28.21 1681 19.62	Total	68.20 100.00
Selachophidium guentheri RAJIDAE	181.70 2668 108.10 230	18.36 10.92		
Deania profundorum Allocyttus verrucosus	84.18 46 40.02 506	8.51 4.04		PROJECT STATION: 532
Notacanthus sexspinis Photichthys argenteus	28.52 598 23.00 1012	2.88	DATE: 1/11/94 GEA start stop durati	R TYPE: BT No:8 POSITION:Lat S 2500
Galeus polli Merluccius paradoxus, male	17.48 184 8.80 14	1.77 0.89 1682	TIME :10:16:00 10:46:00 30	(min) Purpose code: 3
OPHIDIIDAE	8.28 230	0.84	FDEPTH: 195 198	Area code : 1 GearCond.code:
Lithodes ferox Merluccius capensis, female	6.00 10 5.62 2	0.61 0.57 1683	BDEPTK: 195 198 Towing dir: 5° Wire	Validity code: out: 600 m Speed: 30 kn*10
Hoplostethus cadenati Ebinania costaecanarie	2.76 92 1.84 46	0.28 0.19	Sorted: 76 Kg Total ca	
Total	989.62	100.01	-	
			SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
			Merluccius capensis, female Merluccius capensis, male	70.90 246 43.41 1701 54.00 152 33.06 1700
			Trachurus capensis Pterothrissus belloci	14.70 38 9.00 1702 12.80 132 7.84
			Sufflogobius bibarbatus Austroglossus microlepis	9,56 948 5.85 1.00 2 0.61 1703
			Merluccius capensis, juveniles Squilla sp.	0.24 6 0.15 1704 0.12 8 0.07
			Total	163.32 99.99

Total

				PROJECT STA	TION: 533
DATE:	1/11/94	GEA	R TYPE: BT No:	8 POSITION:Lat	S 2452
	start	stop duratí	on	Long	E 1357
TIME	:12:30:00 1	2:45:00 15	(min) Purpose	code: 3	
LOG	:1815.80	816.60 0.80	Area co	de : 2	
FDEPT	H: 164	163	GearCon	d.code:	
BDEPT	H: 164	163	Validit	y code:	
	Towing dia	:: 50° Wire	out: 550 m Sp	eed: 31 kn*10	
Sor	ted: 63 Kg	Total ca	tch: 296.57	CATCH/HOUR:	1186.28
SPECIES			CATCH	HOUR & OF TOT.	C SAMP

weight	numbers		
519.88	6216	43.82	1705
515.20	5116	43.43	1706
91.48	560	7.71	1708
36.20	76	3.05	
14.75	1456	1.24	
4.48	112	0.38	1707
3.16	76	0.27	
1.12	20	0.09	
1186.28		99,99	
	519.88 515.20 91.48 36.20 14.76 4.48 3.16 1.12	515.88 6216 515.20 5116 91.48 560 36.20 76 14.76 1456 4.48 112 3.16 76 1.12 20	515.88         6216         43.82           515.20         5116         43.43           91.48         560         7.71           36.20         76         3.05           14.76         1456         1.24           4.48         112         0.38           3.16         76         0.27           1.12         20         0.09

	1	PROJECT STAT	ton: 534
DATE: 1/11/94 GEAR	TYPE: BT No:8 PO:	SITION:Lat	s 2442
start stop duratio	n	Long	E 1353
TIME :14:28:00 14:43:00 15 ()	min) Purpose code:	3	
LOG :1827.20 1828.00 0.80	Area code	: 2	
FDEPTH: 229 231	GearCond.code	:	
BDEPTH: 229 231	Validity code	:	
Towing dir: 336* Wire o	ut: 750 m Speed: 32	l kn*10	
Sorted: 29 Kg Total cat	ch: 101.47 CA	ICH/HOUR:	405.88
SPECIES	CATCH/HOUR	OF TOT.	C SAME
	weight number:	5	
Sufflogobius bibarbatus	314.00 3568	0 77.36	
Merluccius capensis, female	63.40 7	5 15.62	1709
Trachurus capensis	15.24 8	8 3.75	1712

Sguilla sp.	3.20	160	0.79	1710
Todarodes sagittatus	2.00	40	0.49	
Merluccius capensis, male	1.92	28	0.47	
Total	405.88		99.99	

	P	ROJECT STATION: 535
DATE: 1/11/94 GEAR T	YPE: BT No:8 POS	ITION:Lat S 2442
start stop duration		Long E 1344
	n) Purpose code:	
LOG :1840.00 1841.00 1.00	Area code :	2
FDEPTH: 353 351	GearCond.code:	•
BDEPTH: 353 351	Validity code:	
	:1050 m. Speed: 40	kn#10
lowing dif. 500 wile out	.1050 M. Speed. 40	Kii- 16
Sorted: 85 Kg Total catch	: 220.39 CAT	CH/HOUR: 881.56
SPECIES	CATCH/HOUR	S OF TOT. C SAMP
	weight numbers	
Lophius vomerinus	241.04 216	27.34 1716
Coelorinchus fasciatus	204.48 4608	23.20
Galeus polli	144.48 3648	16.39
Helicolenus dactylopterus	124.32 2208	14.10
Austroglossus microlepis	44.64 48	5.06
Merluccius capensis, female	41.40 68	4.70 1714
Squilla sp.	33.12 1920	3.76
Trachurus capensis	23.04 48	2.61
Bathynectes piperitus	6.72 192	0.76
Merluccius capensis, male	6.64 36	0.75 1713
Nezumia sp.	6.24 432	
Merluccius capensis, juveniles	4.48 120	
Chlorophthalmus punctatus	0.96 96	
Total	881.56	100.00

		PRO	ECT STATIC	DN: 536
DATE: 1/11/94 GEAR TY	PE: BT No:8	POSITI	ON:Lat :	5 2443
start stop duration			Long 1	E 1336
	) Purpose c	ode: 3		
LOC :1851.40 1852.90 1.50	Area code	: 2		
FDEPTH: 414 408	GearCond.	code:		
BDEPTH: 414 408	Validity	code:		
Towing dir: 355" Wire out:	1220 m Spee	1: 32 kr	*10	
Sorted: 108 Kg Total catch:	222 12			456.36
Sorted: 108 Kg Total catch:	228.18	CATCH/	HOUR:	450.30
SPECIES	CATCH/HO		OF TOT. C	SAMP
		mbers		
Merluccius paradoxus, female	67.20	264	14.73	1718
Helicolenus dactylopterus	49.14	434	10.77	
Notacanthus sexspinis	44.94	1204	9.85	
Nezumia sp.	43.26	798	9.48	
Merluccius capensis, female	35.70	16	7.82	1719
Lophius vomerinus	34.60	24	7.58	1720
Epigonus denticulatus	33.46	1176	7.33	
Selachophidium guentheri	31.22	336	6.84	
Genypterus capensis	19.80	10	4.34	1721
Deania profundorum	17.36	14	3.80	
Shrimps, small, non comm.	13.44	6104	2.95	
Centroscymnus crepidater	13.30	14	2.91	
Trachyrincus scabrus	9.80	84	2.15	
Chaceon maritae	8.50	6	1.86	
Merluccius paradoxus, male	8.10	50	1.77	1717
Todarodes sagittatus	7.42	14	1.63	
Hoplostethus cadenati	6.58	154	1.44	
Galeus polli	3.78	56	0.83	
Coelorinchus fasciatus	3.22	98	0.71	
Lithodes ferox	2.60	2	0.57	
Photichthys argenteus	1.40	126	0.31	
Bathynectes piperitus	0.84	28	0.18	
Ebinania costaecanarie	0.70	14	0.15	
Total	456.36		100.00	

	PROJECT STATION: 537
DATE: 2/11/94 GE	AR TYPE: BT No:8 POSITION:Lat S 2426
start stop durat	
TIME :06:36:00 07:06:00 30	(min) Purpose code: 3
LOG :1899.90 1901.40 1.50	Area code : 2
FDEPTH: 370 360	GearCond.code:
BDEPTH: 370 360	Validity code:
Towing dir: 340° Wire	out:1100 m Speed: 32 kn*10
Sorted: 129 Kg Total c	atch: 297.80 CATCH/HOUR: 595.60
SPECIES	CATCH/HOUR & OF TOT, C SAMP
SPELIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
Helicolenus dactylopterus	170.10 1876 28.56
Lophius vomerinus	77.90 28 13.08 1725
Galeus polli	64.26 714 10.79
Merluccius capensis, female	61.90 26 10.39 1724
Merluccius paradoxus, female	52.30 204 8.78 1723
Epigonus denticulatus	41.30 1162 6.93
Coelorinchus fasciatus	26.32 910 4.42
Shrimps, small, non comm.	20.86 6594 3.50
Chlorophthalmus atlanticus	14.56 28 2.44
Raja confundens	14.42 55 2.42
Nezumia sp.	13.02 826 2.19
Bassanago albescens	11.90 14 2.00
Genypterus capensis	9.60 4 1.61 1726
Selachophidium guentheri	6.86 98 1.15
Bathynectes piperitus	3.08 168 0.52 2.10 84 0.35
Notacanthus sexspinis Merluccius paradoxus, male	1.90 12 0.32 1722
MYCTOPHIDAE	1.12 518 0.19
Hoplostethus cadenati	0.84 28 0.14
GALATHEIDAE	0.70 588 0.12
Ebinania costaecanarie	0.56 14 0.09
Total	595.60 99.99
	PROJECT STATION: 538
DATE: 2/11/94 GE	AR TYPE: BT No:8 POSITION:Lat S 2424
start stop durat	Lion Long E 1333
TIME :08:22:00 C8:52:00 30	(min) Purpose code: 3
LOG :1908.00 1909.40 1.40	
FDEPTH: 339 335	GearCond.code:
BDEPTH: 339 335	Validity code:
Towing dir: 350° Wire	out:1000 m Speed: 28 kn*10
Sorted: B8 Kg Total o	catch: 246.98 CATCH/HOUR: 493.96

SPECIES	CATCH	CATCH/HOUR		SAMP
	weight	numbers		
Helicolenus dactylopterus	235.50	3886	47.68	
Lophius vomerinus	80.60	60	16.32	1730
Nezumia sp.	52.96	2190	10.72	
Coelorinchus fasciatus	43.20	1170	8.75	
Merluccius capensis, female	19.60	10	3.97	1729
Merluccius paradoxus, female	16.00	116	3.24	1728
Shrimps, small, non comm.	15.46	3360	3.13	
Genypterus capensis	10.80	6	2.19	1731
Galeus polli	8.56	90	1.73	
Ebinania costaecanarie	5.00	30	1.21	
Bathynectes piperitus	1,80	106	0.36	
Chlorophthalmus atlanticus	1.36	90	0.28	
Merluccius paradoxus, male	1.20	8	0.24	1727
Hoplostethus cadenati	0.46	46	0.09	
GALATHEIDAE	0.30	256	0.06	
LOBSTERS	0.16	16	0.03	
Total	493.96		100.00	

DATE:	2/11/94		GEAR	TYPE:	BT	No:8	P	051	TIO	N:Lat	s	2423
		stop					-					1342
TIME	:10:27:00	10:37:00	10 (	min)	Purp	ose d	code		3			
LOG	:1918.70	1919.30	0.60		Area	code		:	2			
FDEPTH	1: 325	322			Gear	Cond.	. cođ	e:				
BDEPTH	1: 325	322			Valj	dity	code	e:				
	Towing d	ir: 90°	Wire o	ut:102	0 m	Spee	:d: 3	30	kn*:	10		

Sorted: 34 Kg Total catch:	34.7	3 CATO	CH/HOUR:	208.38
SPECIES	CATCH	/HOUR	S OF TOT.	C SAMP
	weight	numbers		
Merluccius capensis, female	89.70	36	43.05	1732
Helicolenus dactylopterus	63.30	1440	30.38	
Galeus polli	18.48	306	8.87	
Lophius vomerinus	12.78	30	6.13	1733
Coelorinchus fasciatus	11.58	402	5.56	
Bathynectes piperitus	3.42	108	1.64	
Merluccius paradoxus, female	2.88	24	1.38	1735
Squilla sp.	1.80	84	0,86	
Nezumia sp.	1.56	84	0.75	
Shrimps, small, non comm.	1.08	336	0.52	
Chlorophthalmus atlanticus	0.66	84	0.32	
MYCTOPHIDAE	0.48	330	0.23	
Merluccius paradoxus, male	0.42	5	0.20	1734
Notacanthus sexspinis	0.12		0.06	
Hoplostethus cadenati	0.06	5	0.03	
Epigonus denticulatus	0.06	5	0.03	
Total	208.38		100.01	•

		PROJECT STATION: 540
DATE: 2/11/94 GEAR TYP	PE: BT No:8	POSITION:Lat S 2433
start stop duration		Long E 1354
TIME :12:23:00 12:47:00 24 (min)	Purpose cod	e: 3
LOG :1930.80 1932.10 1.30	Area code	: 2
FDEPTH: 259 243	GearCond.co	de:
BDEPTH: 259 243	Validity co	de:
Towing dir: 90° Wire out:	850 m Speed:	32 kn*10
Sorted: 109 Kg Total catch:	629.15	CATCH/HOUR: 1572.88
SPECIES	CATCH/HOUR	I OF TOT. C SAMP
	weight numb	ers
Sufflogobius bibarbatus	1272.50 361	100 80.90
Merluccius capensis, female	73.75	95 4.69 1739

	werdur	numbers		
Sufflogobius bibarbatus	1272.50	361100	80.90	
Merluccius capensis, female	73.75	95	4.69	1739
Squilla sp.	51.50	3250	3.27	
Merluccius capensis, female	47.13	440	3,00	1736
Merluccius capensis, juveniles	32.00	843	2.03	1738
Merluccius capensis, male	28.50	343	1.81	1737
Trachurus capensis	28.00	250	1.78	1742
Pterothrissus belloci	13.00	400	0.83	
Lophius vomerinus	12.25	88	0.78	1741
Austroglossus microlepis	12.25	55	0.78	1740
Coelorinchus fasciatus	1.50	150	0.10	
Galeus polli	0.50	100	0.03	
Total	2572.88		100.00	

PROJECT STATION: 541           DATE: 2/11/94         GEAR TYPE: BT No:8 POSITION:Lat S 2422           start stop duration         Long E 1402           TIME :14:07:00 14:37:00 30 (min) Purpose code: 3           LOG : 1940.00 1941.90 1.50           Area code : 2           FDEFTH: 155 157           BDEPTH: 155 157           Validity code:           Towing dir: 360° Wire out: 550 m Speed: 34 km*10	start stop duratic TIME :13:22:00 13:47:00 25 ( LOG :2036.90 2038.30 1.40 FDEPTH: 269 266 EDEPTH: 269 266	
Sorted: 34 Kg Total catch: 419.16 CATCH/HOUR: 838.32	Sort <del>e</del> d: 206 Kg Total cat	ch: 223.15 CATCH/HOUR: 547.56
	SPECIES	CATCH/HOUR & OF TOT. C SAMP
SPECIES         CATCH/HOUR         % OF TOT.         C         SAMP           Merluccius capensis, juveniles         465.50         11616         55.54         1745           Merluccius capensis, female         220.80         2904         26.34         1744           Merluccius capensis, male         128.40         1800         15.32         1743           Sufflogobius biharbatus         23.04         6528         2.75         Squilla sp.         0.24         48         0.03           Trachurus capensis         0.24         24         0.03         100.01         100.01	Merluccius capensis, female Merluccius capensis, male Coelorinchus fasciatus Kerluccius capensis, juveniles Iophius vomerinus Trachurus capensis Helicolenus dactylopterus Sufflogobius bibarbatus MYCTOPHIDAE	weight         numbers           210.00         494         38.35         1758           198.24         737         36.20         1757           41.64         1476         7.60         1759           29.52         1243         5.39         1759           22.92         31         4.19         1761           20.52         41         3.75         1760           9.00         408         1.64         6.36         660         1.16           3.96         2076         0.72         1759         172         1759
PROJECT STATION: 542 DATE: 2/11/94 GEAR TYPE: BT No:8 POSITION:Lat S 2422	Squilla sp. Chlorophthalmus punctatus Galeus polli Todaropsis eblanae Pterothrissus belloci Total	2.04         96         0.37           1.20         120         0.22           0.96         48         0.18           0.60         12         0.11           547.56         99.99
start stop duration Long 2 1412		
TIME :16:07:00 16:11:00 4 (min) Purpose code: 3 LOG :1951.40 1951.60 0.20 Area code : 2		PROJECT STATION: 548
FDEPTH: 129 129 GearCond.code: 8 BDEPTH: 129 129 Validity code: 9	DATE: 3/11/94 GEA1 start stop duratio	R TYPE: BT No:8 POSITION:Lat S 2401 on Long E 1316
Towing dir: 90* Wire out: 450 m Speed: 30 kn*10	TIME :17:49:00 18:19:00 30 LOG :2064.10 2065.30 1.40	(min) Purpose ccde: 3 Area code : 2
Sorted: Kg Total catch: CATCH/HOUR:	FDEPTH: 365 364	GearCond.code:
	BDEPTH: 365 364 Towing dir: 350° Wire o	Validity code: put:1050 m Speed: 28 kn*10
SPECIES CATCH/HOUR % OF TOT. C SAMP weight numbers	Sorted: 322 Kg Total ca	tch: 724.96 CATCH/HOUR: 1449.92
Total	SPECIES	CATCH/HOUR & OF TOT. C SAMP
	Merluccius capensis, female	weight numbers 533,20 414 36.77 1768
	Helicolenus dactylopterus	320.60 4358 22.11 218.40 1540 15.06 1770
	Merluccius paradoxus, female Krill	127.68 8.81
PROJECT STATION: 543	Galeus polli Merluccius paradoxus, male	52.92 504 3.65 45.92 308 3.17 1769
DATE: 3/11/94 GEAR TYPE: BT No:8 POSITION:Lat S 2402 start stop duration Long E 1408	Merluccius capensis, male Selachophidium guentheri	38.60 36 2.66 1767 37.24 1316 2.57
TIME :06:30:00 07:00:0C 30 (min) Purpose code: 3 LOG :2001.40 2003.00 1.60 Area code : 2	Coelorinchus fasciatus Nezumia sp.	22.96 532 1.58 19.88 1176 1.37
FDEPTH: 143 146 GearCond.code: BDEPTH: 143 146 Validity code:	Shrimps, small, non comm. Lophius vomerinus	16.80 5264 1.16 7.80 10 0.54 1771
Towing dir: 360° Wire out: 430 m Speed: 32 kn*10	Genypterus capensis	3.16 2 0.22 1772
Sorted: 4 Kg Total catch: 4.30 CATCH/HOUR: 8.60	Chlorophthalmus atlanticus Todaropsis eblanae	2.24 168 0.15 1.68 28 0.12
	MYCTOPHIDAE	0.84 56 0.06
SPECIES CATCH/HOUR \ OF TOT. C SAMP weight numbers	Total	1449.92 100.00
Merluccius capensis, juveniles 4.30 190 50.00 1748		
Merluccius capensis, female 2.82 32 32.79 1747		
Merluccius capensis, female         2.82         32         32.79         1747           Merluccius capensis, male         1.48         22         17.21         1746	DATE: 3/11/94 GEA	PROJECT STATION: 549 R TYPE: BT No:8 POSITION:Lat S 2358
	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code:
Merluccius capensis, male         1.48         22         17.21         1746           Total         6.60         100.00         100.00	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10
Merluccius capensis, male     1.48     22     17.21     1746       Total     8.60     100.00       DATE: 3/11/94     GEAR TYPE: BT No:8     POSITION: 544	Start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58
Merluccius capensis, male 1.48 22 17.21 1746 Total 8.60 100.00	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350* Wire Sorted: 108 Kg Total ca	R TYPE: BT No:8 POSITION:Lat S 2358 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: Dut:1400 m Speed: 33 kn 10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR 1 OF TOT. C SAMP weight numbers
Merluccius capensis, male     1.48     22     17.21     1746       Total     8.6C     100.00       DATE: 3/11/94     GEAR TYPE: BT No:8     POSITION:124T     \$ 2401       start     stop     duration     Long     1357	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire ( Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR 1 OF TOT. C SAMP
Merluccius capensis, male         1.48         22         17.21         1746           Total         8.6C         100.00         100.00           DATE: 3/21/94         GEAR TYPE: BT No:8         PROJECT STATION: 544           DATE: 3/21/94         GEAR TYPE: BT No:8         POSITION: Lat \$ 2401           Start stop duration         Long E 1357           TIME :09:20:00 09:50:00 30 (min)         Purpose code: 3           LOG :2013.70 2015.20 1.50         Area code : 2           FDEFTH: 218         224         GearCond.code:           BDEFTH: 218         224         Validity code:	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp.	R TYPE: BT No:8 POSITION:Lat S 2358 on Long S 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR \$ OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1115 19.51 105.51 4015 13.98
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION: 544         Start stop duration       Long E 1357         TIME: 09:20:00 09:50:100 30 (min) Purpose code: 3       LOG :2013.70       2015.20         FDEPTN: 218       224       GearCond.code:         BDETTN: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 km*10	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEPTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum	R TYPE: BT No:8 POSITION:Lat S 2358 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCK/HOUR * 06 TOT. C SAMP weight numbers 262.97 2104 27.38 105.51 4015 10.98 86.16 163 8.97 1774 66.30 95 6.90
Merluccius capensis, male         1.48         22         17.21         1746           Total         8.6C         100.00         100.00           DATE: 3/21/94         GEAR TYPE: BT No:8         PROJECT STATION: 544           DATE: 3/21/94         GEAR TYPE: BT No:8         POSITION: Lat \$ 2401           Start stop duration         Long E 1357           TIME :09:20:00 09:50:00 30 (min)         Purpose code: 3           LOG :2013.70 2015.20 1.50         Area code : 2           FDEFTH: 218         224         GearCond.code:           BDEFTH: 218         224         Validity code:	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm.	R TYPE: BT No:8 POSITION:Lat S 2358 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR * 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4016 10.98 86.16 163 8.57 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:124       \$ 2401         start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3       Long E 1357         LOG :2013.70 2015.20 1.50       Area code : 2       POEPTH: 218       224         BDETTH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 km*10         Sorted: 33 Kg       Total catch:       64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR % OF TOT. C       SAMP	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri	<pre>R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: validity code: out:1400 m Speed: 33 kn=10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR 1 OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4015 13.98 86.16 163 8.57 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/21/94       GEAR TYPE: BT No:8       POSITION: 544         DATE: 3/21/94       GEAR TYPE: BT No:8       POSITION: 141       S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3       3         LOG :2013.70 2015.20 1.50       Area code : 2       2         FDEFTH: 218       224       GearCond.code:         BDETH: 218       224       Validity code:         Towing dir: 255* Wire out: 650 m Speed: 27 kn*10       Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR t 0F TOT. C SAMP weight numbers	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: but:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR \$ 0F TOT. C SAMP weight number 262.97 2104 27.38 191.25 1115 19.51 105.51 4015 10.98 86.16 163 8.97 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/21/94       GEAR TYPE: BT No:8       POSITION: 14 \$ 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TOG :2013.70       2015.20 1.50       Area code : 2         FDEFTH: 218       224       Validity code:         BOETN: 218       224       Validity code:         Towing dir: 255* Wire out: 650 m Speed: 27 km*10       Sorted: 33 Kg       Total catch: 64.11         Softed: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR % 0F TCT. C       SAMP         weight numbers       Merluccius capensis, juveniles       53.70       1308       41.88       1751         Merluccius capensis, female       29.10       440       22.70       1750	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus	R TYPE: BT No:8 POSITION:Lat S 2358 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: Dut:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR * 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4016 10.98 86.16 163 8.97 1774 66.30 96 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:124 \$ 2401         start stop duration       Long E 1357         TIME : 09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG : 2013.70       2015.20       1.50         Area code       :2         PDEPTH:       218       224         Validity code:       Towing dir: 255' Wire out: 650 m Speed: 27 Km*10         Sorted:       33 Kg       Total catch:         SPECIES       CATCH/HOUR % OF TOT. C         Merluccius capensis, juveniles       53.70       1308       41.88       1751         Merluccius capensis, female       29.10       440       22.70       1750         Sufflogobius bibarbatus       25.20       S043       19.65         Merluccius capensis, male       19.40       308       15.13       1749	start stop durati TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimgs, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagittatus Hoplostethus cadenati Notacanthus sexspiris	R TYPE: BT No:8 POSITION:LAL S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: out:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR * 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1115 19.51 105.51 4016 10.98 86.16 163 8.97 1774 66.30 96 6.90 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:124       S 2401         start       stop       duration       Long E 1357         TIME :09:20:00       09:50:00       30 (min)       Purpose code: 3       Long E 1357         TIME :09:20:00       09:50:00       30 (min)       Purpose code: 3       Long E 1357         TOTE :2013.70       2015.20       1.50       Area code : 2       POEPTH: 218       224         FDEPTH: 218       224       Validity code:       Towing dir: 255*       Wire out: 650 m Speed: 27 km*10         Sorted: 33 Kg       Total catch:       64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR & OF TOT. C SAMP         Merluccius capensis, juveniles       53.70       1306       41.88       1751         Merluccius capensis, juveniles       53.70       1308       41.88       1751         Merluccius capensis, juveniles       25.20       5043       19.65	start stop durati. TTME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Neruncius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrelia blackfordi Merluccius capensis, female Todarodes sagittatus Hoplostethus cadenati Notacanthus sexspinis Genypterus capensis	<pre>R TYPE: BT No:8 POSITION:Lat \$ 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: validity code: out:1400 m Speed: 33 kn=10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR 1 OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4015 13.98 86.16 163 8.57 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 0.45</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:1at \$ 2401         start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG :2013.70 2015.20 1.50       Area code : 2         FDEFTH: 218       224       GearCond.code:         BDEPTH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR * 067 TOT. C SAMP         weight numbers       Weight numbers         Merluccius capensis, juveniles       53.70       1308       41.88       1751         Sufflogobius bibarbatus       25.20       5042       12.70       1750         Sufflogobius bibarbatus       25.20       5042       19.65       1750         Sequila sp.       0.60       30       1.31       1749	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris	<pre>R TYPE: BT No:8 POSITION:Lat \$ 2358 on Long \$ 1312 (min) Purpose code: 3 GearCond.code: 2 GearCond.code: validity code: validity code: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR \$ 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4015 13.98 86.16 163 8.97 1774 66.30 96 5.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10 9.88 6 10.3 1777</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION: 14t S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG :2013.70 2015.20 1.50       Area code : 2         FDEFTH: 218       224       GearCond.code:         BDETH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR t 0F TOT. C SAMP         Weight numbers       13.06       1.88         Merluccius capensis, juveniles       53.70       1306       41.88         Suffloppbius bibarbatus       25.20       5041       19.65         Merluccius capensis, male       19.40       308       15.13       1749         Squilla sp.       0.60       30       C.47       1749	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrelia blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexpinis Galeus poli	R TYPE: BT No:8 POSITION:Lat S 2358 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: Dut:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR \$ 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4016 10.98 86.16 163 8.97 1774 66.30 96 6.90 39.84 287 4.15 39.53 15819 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION: 14t S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG :2013.70 2015.20 1.50       Area code : 2         FDEFTH: 218       224       GearCond.code:         BDETH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR t 0F TOT. C SAMP         Weight numbers       13.06       1.88         Merluccius capensis, juveniles       53.70       1306       41.88         Suffloppbius bibarbatus       25.20       5041       19.65         Merluccius capensis, male       19.40       308       15.13       1749         Squilla sp.       0.60       30       C.47       1749	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimgs, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspinis Genypterus capensis Galeus polli Bassanago albescens Merluccius paradoxus, male	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: Dut:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR * 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4016 10.98 86.16 163 8.97 1774 66.30 96 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 0.46 2.55 64 C.27 2.53 8 C.25 1773
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION: 14t S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG :2013.70 2015.20 1.50       Area code : 2         FDEFTH: 218       224       GearCond.code:         BDETH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR t 0F TOT. C SAMP         Weight numbers       13.06       1.88         Merluccius capensis, juveniles       53.70       1306       41.88         Suffloppbius bibarbatus       25.20       5041       19.65         Merluccius capensis, male       19.40       308       15.13       1749         Squilla sp.       0.60       30       C.47       1749	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimgs, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspinis Genypterus capensis Galeus polli Bassanago albescens Merluccius paradoxus, male	<pre>R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: validity code: out:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR * 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4015 10.98 86.16 163 8.57 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 14.66 669 1.53 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.26 1773 960.59 10C.02</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:124       \$ 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3       2005       2013.70         OPEPTH: 218       224       GearCond.code:       3         BDEPTH: 218       224       GearCond.code:       3         Sorted: 33 Kg       Total catch:       64.11       CATCH/HOUR:       128.22         SPECIES       CATCH/HOUR:       % OF TOT. C SAMP         Weight numbers       53.70       1306       41.88       1751         Merluccius capensis, juveniles       53.70       1306       41.88       1751         Sufflopoius bibarbatus       25.20       5043       19.65       1749         Squilla sp.       0.22       2       0.17       1749         Trachurus capensis:       0.22       2       0.17       100.00         Total       128.22       100.00       106.00       106.00	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEPTH: 477 464 BDEPTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Neumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagittatus Hoplostethus cadenati Notacanthus sexspinis Galeus polli Bassanago albescens Merluccius paradoxus, male Total DATE: 3/11/94 GEA	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: util400 m Speed: 33 kn=10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR & OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1115 19.51 105.51 4015 10.98 86.16 163 8.57 1774 66.30 96 5.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 960.59 10C.02
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:1at       \$ 2401         Start       stop       duration       Long E 1357         TIME : 09:20:00       09:50:00       30 (min)       Purpose code: 3       Long E 1357         TIME : 09:20:00       09:50:00       30 (min)       Area code : 2       POEPTH: 218       224         FDEFTH:       218       224       Validity code:       Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted:       33 Kg       Total catch:       64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR:       1 06       106       10750         Merluccius capensis, female       29:10       440       22:70       1750         Sufflogobius biberbatus       25:20       5043       19:65       Merluccius capensis, male       19:40       308       15:13       1749         Squilla sp.       0.60       30       0.22       2       0.17       107:00         Total       128.22       100:00       100:00       128:22       100:00       128:25	start stop durati. TTME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire + Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus palaesnis Galeus palescens Merluccius paradoxus, male Total DATE: 3/11/94 GEA start stop durati TIME :21:40:00 21:40:00 30	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 GearCond.code: 2 GearCond.code: 3 Validity code: 3 CATCK/HOUR * OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1126 19.51 105.51 4016 10.98 86.16 163 8.97 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 960.59 10C.02 PROJECT STATION: 559 R TYPE: BT No:8 POSITION:Lat S 2400 on Long E 1310
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8       POSITION:14t \$ 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG :2013.70 2015.20 1.50       Area code : 2         FDEFTH: 218       224       GearCond.code:         BDETPH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 kn*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR: 128.22         SPECIES       CATCH/HOUR * 0 F TOT. C SAMP         Weight numbers       Weight 0.22.70         Merluccius capensis, juveniles       53.70       1306         Sufflogobius bibarbatus       25.20       5043       19.65         Merluccius capensis, male       19.40       308       15.13       1749         Squilla sp.       0.60       30       100.00       100.00         PROJECT STATION: 545         DATE: 3/11/94       GERF TYPE: BT No:8       POSITION:Lat S 2401         Start stop duration       Long E 1346       100.00       100.00	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus palaesensis Galeus palaesensis Merluccius paradoxus, male Total DATE: 3/11/94 GEN start stop durati TIME :21:10:0C 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 555	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 GearCond.code: 2 GearCond.code: 2 Validity code: 3 CATCK/HOUR \$ 0F TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1115 19.91 105.51 4015 13.99 86.16 163 8.57 1774 66.30 95 6.90 39.42 27 4.15 39.53 15819 4.12 36.94 13 3.85 1776 25.50 574 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 960.59 100.02 PROJECT STATION: 559 R TYPE: BT NO:8 POSITION:Lat S 2400 on Long E 1310 (min) Purpose code: 3 Area code : 2 GearCond.code:
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GERR TYPE: BT No:8 FOSTION: Lat S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 15 (min) Purpose code: 3       Long E 1357         Start stop duration       CATCH/HOUR t 0F TOT. C SAMP         Werluccius capensis, juveniles       53.70 1308       41.88 1751         Merluccius capensis, female       29.10 440 22.70 1750       1756         Sufflogobius biberbatus       25.20 5043 19.65       1749         Squilla sp.       0.60 30 C.47       1749         Trachurus capensis       0.22 2 C.17       10C.00         PROJECT STATION: 545       128.22       10C.00C         PATE: 3/11/94       CEAR TYPE: BT No:8 POSITION:Lat \$ 2401       128.22         DATE: 3/11/94       CEAR TYPE: BT No:8 POSITION:Lat \$ 2401       10G.00         Start stop duration<	start stop durati. TTME :19:15:00 19:47:00 32 LGG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunda sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Sthimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagittatus Hoplostethus cadenati Notacanthus sexspiris Galeus polli Bassanago albescens Merluccius paradoxus, male Total DATE: 3/11/94 GEN Start stop durati TIME: 21:10:00 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 BDEFTH: 590 595	R TYPE: BT No:8 POSITION:Lat S 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: out:1400 m Speed: 33 kn*10 tch: 512.31 CATCH/HOUR: 960.53 CATCH/HOUR 1 OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1116 19.51 105.51 4015 13.98 86.16 163 8.57 1774 66.30 95 6.90 39.84 287 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 — PROJECT STATION: 559 R TYPE: BT No:8 POSITION:Lat S 2400 on Long E 1310 (min) Purpose code: 3 Area code : 2
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/21/94       GEAR TYPE: BT No:8       POSITION:124 \$ 2401         Start stop duration       Long E 1357         TIME : 09:20:00 09:50:00 30 (min)       Purpose code: 3         LOG : 2013.70       2015.20       1.50         Area code       :2         PDEPTH:       218       224         GearCond.code:       BDETH: 218       224         Sorted:       33 Kg       Total catch:         Sorted:       33 Kg       Total catch:         Sorted:       33 Kg       Total catch:         Merluccius capensis, juveniles       53.70       1306         Merluccius capensis, female       29.10       440       22.70         Merluccius capensis, male       19.40       308       15.13         Merluccius capensis, male       19.40       308       15.13         Trachurus capensis       0.60       30       C.47         Trachurus capensis       0.22       2       C.17         Total       128.22       100.00       100.00         PROJECT STATION: 545       S401 <td>start stop durati. TTME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire + Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus palaesensis Galeus palaesensis Galeus palaesensis Merluccius paradoxus, male Total DATE: 3/11/94 GEA start stop durati TIME: 21:10:00 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 Towing dir: 170° Wire -</td> <td><pre>R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: validity code: validity code: vali</pre></td>	start stop durati. TTME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire + Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus palaesensis Galeus palaesensis Galeus palaesensis Merluccius paradoxus, male Total DATE: 3/11/94 GEA start stop durati TIME: 21:10:00 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 Towing dir: 170° Wire -	<pre>R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 Area code : 2 GearCond.code: validity code: validity code: vali</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PROJECT STATION: 544         DATE: 3/11/94       GERR TYPE: BT No:8 FOSTION: Lat S 2401         Start stop duration       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3       Long E 1357         TIME :09:20:00 09:50:00 15 (min) Purpose code: 3       Long E 1357         Start stop duration       CATCH/HOUR t 0F TOT. C SAMP         Weight numbers       Merluccius capensis, juveniles         53.70       1306       1.88         Merluccius capensis, juveniles       53.70       1306         Merluccius capensis, female       29.10       440       22.70         Sufflogobius biberbatus       25.20       5043       19.65         Merluccius capensis, male       19.40       308       15.13         Squilla sp.       0.60       30       C.47         Trachurus capensis       0.22       10C.0C       128.22         DATE: 3/11/94       CEAR TYPE: BT	start stop durati. TIME :9:51:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire + Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus pallescens Merluccius paradoxus, male Total DATE: 3/11/94 GEN start stop durati TIME: 21.10:00 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 RDEPTH: 590 595 Towing dir: 170° Wire -	<pre>R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 GearCond.code: validity code: validity code: validity code: validity code: cATCK/HOUR * OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1126 19.51 105.51 4016 10.98 86.16 163 8.57 1774 66.30 95 5.90 39.84 227 4.15 39.53 15810 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 0.26 2.55 64 C.27 2.53 8 C.25 1773 960.59 10C.02</pre>
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.60       100.00         REOJECT STATION: 544         DATE: 3/11/94       GEAR TYPE: BT No:8 POSITION:Lat \$ 2401         Start stop duration         Long E 1357         TIME :09:20:00 09:50:00 30 (min) Purpose code: 3         COMPT: 218       224         GearCond.code:         DEPTH: 218       224         CATCH/HOUR * 0F TOT. C SAMP         Merluccius capensis, juveniles         STOS CATCH/HOUR * 0F TOT. C SAMP         Merluccius capensis, juveniles         STOS CATCH/HOUR * 0F TOT. C SAMP         Merluccius capensis, female         2.20         SUPCIES         CATCH/HOUR * 0F TOT. C SAMP         Merluccius capensis, female         2.10         Sufflogobius bibarbatus         2.20         Total         Total         PROJECT STATION: 545         DATE: 3/11/94         GERTYPE: BT No:8 POSITION:Lat \$ 2001	start stop durati. TIME :19:15:00 19:47:00 32 LOG :2070.10 2071.9C 1.80 FDEPTH: 477 464 EDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezumia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small, non comm. Lophius vomerinus Selachophidium guentheri Yarrella blackfordi Merluccius capensis, female Todarodes sagitatus Notacanthus sexpinis Galeus polli Bassanago albescens Merluccius paradoxus, male Total DATE: 3/11/94 CPA Start stop durati TIME :21:10:0C 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 EDEPTH: 590 595 EDEPTH: 590 595 Towing dir: 170° Wire of Sorted: 182 Kg Total ca	R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 GearCond.code: 2 GearCond.code: 2 Validity code: 3 CATCK/HOUR * OF TOT. C SAMP weight numbers 262.97 2104 27.38 191.25 1115 19.91 105.51 4015 13.99 86.16 163 8.57 1774 66.30 95 6.90 39.42 27 4.15 39.53 15819 4.12 36.94 13 3.85 1776 25.50 574 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 960.59 10C.02 PROJECT STATION: 559 R TYPE: BT No:8 POSITION:Lat S 2400 on Long E 1310 (min) Purpose code: 3 Area code : 2 GearCond.code: Validity code: out:1650 m Speed: 33 kn*10 tch: 349.36 CATCH/HOUR: 698.72 CATCH/HOUR * OF TOT. C SAMP
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.6C       100.00         PATE: 3/21/94       GEAR TYPE: BT No:8       POSITION:124 \$ 2401         Start stop duration       Long E 1357         TIME: 09:20:00 09:50:00 30 (min) Purpose code: 3       LOG : 2013.70 2015.20 1.50       Area code : 2         PDPTH: 218       224       Validity code:         Towing dir: 255*       Wire out: 650 m Speed: 27 km*10         Sorted: 33 Kg       Total catch:       64.11         Merluccius capensis, juveniles       53.70       1306       41.88         Merluccius capensis, juveniles       53.70       1306       11.88         Sufflopohius biberbatus       25.0       504.0       19.65         Merluccius capensis, male       19.40       308       15.13       1749         Sufflopohius biberbatus       0.20       2.0       17       100.00       1366         Merluccius capensis       CEAR TYPE: BT No:8       POSITION:14 \$ \$ 2401       1749         Sufflopohius biberbatus       19.40       308       15.13       1749         Sufflopohius biberbatus       0.20       20.17       100.00       1366         Total       128.22       100.00	start stop durati. TTME :19:15:00 19:47:00 32 LOG :2070.10 2071.90 1.80 FDEFTH: 477 464 BDEFTH: 477 464 Towing dir: 350° Wire of Sorted: 108 Kg Total ca SPECIES Epigonus denticulatus Trachyrincus scabrus Nezunia sp. Merluccius paradoxus, female Deania profundorum Helicolenus dactylopterus Shrimps, small. non comm. Lophius vomerinus Selachophidium guentheri Yarrelia blackfordi Merluccius capensis, female Todarodes sagitatus Hoplostethus cadenati Notacanthus sexspiris Galeus polli Bassanago albescens Merluccius paradoxus, male Total DATE: 3/11/94 GPA start stop durati TIME :21:10:00 21:40:00 30 LOG :2077.70 2079.10 1.40 FDEFTH: 590 595 BDEFTH: 590 595 Towing dir: 170° Wire - Sorted: 182 Kg Total ca SPECIES Merluccius paradoxus, female Deania calcea	R TYPE: BT No:8 POSITION:Lat s 2358 on Long E 1312 (min) Purpose code: 3 GearCond.code: 2 GearCond.code: 2 Validity code: 3 tch: 512.31 CATCH/HOUR: 960.58 CATCH/HOUR & OF TOT. C SAMP weight numbers 062.97 2104 27.38 191.25 1115 19.91 105.51 4015 13.98 86.16 163 8.97 1774 66.30 95 6.90 39.84 287 4.15 39.53 15819 4.12 36.94 13 3.85 1776 25.50 574 2.65 25.18 2327 2.62 21.19 9 2.21 1775 15.62 32 1.63 10.52 351 1.10 9.88 6 1.03 1777 4.46 64 C.46 2.55 64 C.27 2.53 8 C.25 1773 
Merluccius capensis, male       1.48       22       17.21       1746         Total       8.60       100.00         PROJECT STATION: 544         DATE: 3/1/94       GEAR TYPE: BT No:8       POSITION:1At \$ 2401         Start stop duration         Long E 1357         TIME : 09:20:00 09:50:00 30 (min) Purpose code: 3         LOG : 20:13.70       20:15.20       1.50         Area code : 2         FOPETH: 218 224       Validity code:         Towing dir: 255' Wire out: 650 m Speed: 27 km*10         Sorted: 33 Kg       Total catch: 64.11       CATCH/HOUR toF TOT. C SAMP         Merluccius capensis, juveniles       53.70       1308       11.88       1751         Sufflogobius bibarbatus       25.20       5043       22.70       1756         Sufflogobius bibarbatus       25.20       5043       23.71       1749         Squilla sp.       0.60       30       C.47         Trachurus capensis       0.22       2       C.17         Total       TOTAL       SAMP         FOPETH: 2.45		

Total

670.16

Total

99.99

			JECT STAT	ION: 5
	PE: BT No:8	POSIT	ION:Lat	S 234
start stop duration			Long	E 13
	Purpose			
LOG :2099.40 2100.80 1.40	Area cod			
FDEPTH: 651 648	GearCond			
BDEPTH: 651 648	Validity			
Towing dir: 350* Wire out:1	.700 m Spe	ed: 28 ki	n*10	
Sorted: 145 Kg Total catch:	426.65	CATCH	/HOUR:	853.3
SPECIES	CATCH/H		OF TOT.	C SAL
		umbers		
Merluccius paradoxus, female	227.30	238	26.64	
Deania calcea	221.00	80	25.90	
Nezumia sp.	146.00	3600	17.11	
Selachophidium guentheri	99.80	1300	11.70	
RAJIDAE	41.60	60	4.88	
Lithodes ferox	26.00	60	3.05	
Deania quadrispinosum	22.20	20	2.60	
Ebinania costaecanarie	17.80	40	2.09	
Todarodes sagittatus	14.40	20	1.69	
Yarrella blackfordi	11.80	400	1.38	
Hoplostethus atlanticus	9.00	580	1.05	
Bathyuroconger vicinus	3.50	20	0.42	
Dicrolene intronigra	2.80	80	0.33	
Allocyttus verrucosus	2.60	40	0.30	
Lophius vomerinus	2.60	2	0.30	
Notacanthus sexspinis	2.40	20	0.28	
Galeus polli	1.80	20	0.21	
Shrimps, small, non comm.	1.00	260	0.12	1
POLYCHAELIDAE	0.80	60	0.09	
Stomias boa boa	0.60	20	0.07	
Total	855.10		100.21	

Total

Total

PROJECT STATION: 553

100.00

		PROJE	CT STATION	1: 552
DATE: 4/11/94 GEAR TYP	E: BT No:8	POSITIC	N:Lat S	2341
start stop duration			Long E	1306
TIME :02:33:00 C3:03:00 30 (min)	Parpose	code: 3	-	
LOG :2107.10 2108.60 1.50	Area code			
FDEPTH: 551 551	GearCond	. code :		
BDEPTH: 551 551	Validity	code:		
Towing dir: 350° Wire out:1			10	
-	•			
Sorted: 252 Kg Total catch:	499.20	CATCH/H	OUR: 99	8.40
•				
SPECIES	CATCH/H	OUR %	F TOT. C	SAMP
	weight n	umbers		
Merluccius paradoxus, female	361.40	966	36.20	1783
Deania calcea	290.00	260	29.05	
Selachophidium guentheri	70.40	1680	7.05	
Merluccius capensis, female	60.40	32	6.05	1785
Nezumia sp.	55.40	3220	5.55	
RAJIDAE	30.40	20	3.04	
Hoplostethus atlanticus	30.40	1240	3.04	
Merluccius paradoxus, male	22.70	78	2.27	1782
Trachyrincus scabrus	18.80	100	1.88	
Todarodes sagittatus	11.80	40	1.18	
Centroscyllium fabricii	8.80	20	0.88	
Yarrella blackfordi	7.00	40	0.70	
Trachurus capensis	6.60	20	0.66	
Timbedee frank		4.0	A 44	

Lithodes ferox	4.40	40	0.44	
Merluccius capensis, male	4.20	2	0.42	1784
Epigonus denticulatus	3.20	120	0.32	
Shrimps, small, non comm.	2.40	960	0.24	
MYCTOPHIDAE	2.20	160	0.22	
Galeus polli	2.00	20	0.20	
Notacanthus sexspinis	2.00	40	0.20	
Lophius vomerinus	1.70	2	0.17	1786
ARISTEIDAE	1.40	40	0.14	
Bathyuroconger vicinus	0.80	20	0.08	
Total	998.40		99.98	

		CODEL OTHERON	
	E: BT No:8 POS	TION:Lat S	
start stop duration		Long E	1307
	Purpose code:	3	
LOG :2118.90 2120.30 1.40	Area code :	2	
FDEPTH: 478 482	GearCond.code:		
BDEPTH: 478 482	Validity code:		
Towing dir: 350° Wire out:1	350 m Speed: 29	kn*10	
Sorted: 103 Kg Total catch:	303.23 CAT	CH/HOUR: 60	6.46
SPECIES	CATCH/HOUR	S OF TOT. C	SAMP
	weight numbers		
Trachyrincus scabrus	192.00 900	31.65	
Merluccius paradoxus, female	100.80 210	16.62	1788
Epigonus denticulatus	50.20 1000	8.28	
Nezumia sp.	50,00 2600	8.24	
Merluccius capensis, female	47.90 20	7.90	1789
Hoplostethus cadenati	41.60 1860	6.85	
Deania profundorum	38,00 60	6.27	
Selachophidium quentheri	19.80 280	3.25	
Helicolenus dactylopterus	18.80 80	3.10	
Raja confundens	12.60 40	2.08	
Shrimps, small, non comm.	12.20 4700	2.01	
Lophius vomerinus	11.90 10	1.95	1790
Galeus polli	4.60 60	0.76	
Yarrella blackfordi	2.40 320	0.40	
Bassanago albescens	1.20 40	0.20	
Merluccius paradoxus, male	1.06 5	C.17	1787
Todaropsis eblanae	0,80 20	0.13	
Notacanthus sexspinis	0.60 40	0.10	

		PROJECT STATION: 554
DATE: 4/11/94	GEAR TYPE: BT No:8	POSITION:Lat S 2340
start stop du	iration	Long E 1310
TIME :08:25:00 08:55:00		de: 3
LOG :2125.60 2127.20	1.60 Area code	: 2
FDEPTH: 400 404	GearCond.c	ode:
BDEPTH: 400 404	Validity c	ode:
Towing dir: 350° W	Vire out:1150 m Speed	: 31 kn*10
Sorted: 160 Kg Tota	al catch: 370.44	CATCH/HOUR: 740.88

Sorted: 160 Kg Total catch:	370.44	4 CATC	H/HOUR:	740.88
SPECIES	CATCH,	/HOUR	OF TOT.	C SAMP
	weight	numbers		
Helicolenus dactylopterus	199.20	2000	26.89	
Merluccius capensis, female	135.90	72	18.34	1794
Shrimps, small, non comm.	97.12	35968	13.11	
Lophius vomerinus	59.90	44	8.08	1795
Nezumia sp.	52.80	1968	7.13	
Merluccius paradoxus, female	39.60	204	5.34	1792
Galeus polli	33.28	528	4.49	
Epigonus denticulatus	21.44	1072	2.89	
Selachophidium guentheri	17.28	528	2.33	
Hoplostethus cadenati	16.16	1328	2.18	
Merluccius capensis, male	13.00	10	1.75	1793
Yarrella blackfordi	9.60	1200	1.30	
Coelorinchus fasciatus	8.96	448	1.21	
Lophius vaillanti	7.62	2	1.03	1796
Aristeus varidens	7.36	1872	0.99	I
Raja confundens	6.72	32	0.91	
Ebinania costaecanarie	3.36	48		
Todarodes sagittatus	3.04	32		
Chlorophthalmus atlanticus	2.72	176	0.37	
Merluccius paradoxus, male	2.34	14	0.32	
Trachurus capensis	1.72	4	0.23	
Notacanthus sexspinis	1.28	64	0.17	
Trachyrincus scabrus	0.32	16		
LOBSTERS	0.16	16	0.02	t
Total	740.88		99.98	ī

						PI	OJECT	STAT	ION	: 555
DATE:	4/11/94		GEAR	TYPE:	BT No:8	POSI	TION:	Lat	s	2340
	start	stop ·	duratio	n				Long	Е	1315
TIME	:10:07:00	10:37:00	30 (	min) P	urpose c	ode :	3			
LOC	:2134.30	2135.80	1.50	A	rea code	• •	2			
FDEPTH	: 324	330		G	earCond.	code:				
BDEPTH	: 324	330		V.	alidity	code:				
	Towing d	ir: 350°	Wire o	ut: 950	m Speed	d: 29	kn*10			

Sorted: 358 Kg Total catch:	627.3	5 CATC	H/HOUR:	1254.70
SPECIES	CATCH	/HOUR	OF TOT	. C SAMP
	weight	numbers		
Merluccius capensis, female	490.10	312	39.	06 1800
Helicolenus dactylopterus	253.80	3042	20.	23
Merluccius capensis, male	126.00	100	10.	04 1799
Merluccius capensis, female	111.42	432	8.	88 1798
Deepwater fish mixture	78.30		6.	24
Galeus polli	51.66	1710	4.	12
Lophius vomerinus	33.60	26	2.	68 1801
Chlorophthalmus atlanticus	30,60	2538	2.	44
Merluccius capensis, male	29.90	126	2.	38 1797
Coelorinchus fasciatus	26.46	918	2.	11
Todarodes sagittatus	10.80	36	0.	86
Nezumia sp.	10.80	72	Ο.	86
Todaropsis eblanae	1.08	36	0.	09
Hoplostethus cadenati	0.18	36	Ο.	01
Total	1254.70		100.	00

DATE:	4/11/94		GEAR TYPE	: BT No:8	POSITION:Lat	ION S	2340
		stop			Long		1327
TIME	:12:25:00	12:40:00	15 (min)	Purpose co	de: 3		
LOG	:2147.10	2148.00	0.90	Area code	: 2		
FDEPTH	1: 256	252		GearCond.c	:ode :		
BDEPTH	I: 256	252		Validity o	:ode:		
	Towing d	ir: 90*	Wire out: 7	50 m Speed	: 34 kn*10		

Sorted:	78 Kg	Total catch:	434.51	CATCH/HOUR:	1738.04

SPECIES	CATCH	S OF TOT. C	SAMP	
	weight	numbers		
Trachurus capensis	1359.00	7260	78.19	1806
Merluccius capensis, male	131.00	1048	7.54	1802
Merluccius capensis, juveniles	93.28	2500	5.37	1804
Merluccius capensis, female	87.12	700	5.01	1803
Coelorinchus fasciatus	31.80	900	1.83	
Sufflogobius bibarbatus	19.80	2100	1.14	
Lophius vomerinus	5.24	8	0.30	1805
Todaropsis eblanae	4.80	180	0.28	
Lepidopus caudatus	3.00	60	0.17	
Chlorophthalmus atlanticus	1.80	180	0.10	
Helicolenus dactylopterus	1.20	60	0.07	
Total	1738.04		100.00	

	F	ROJECT STATIC	DN: 557
DATE: 4/11/94 GEAR TY			5 2340
	PL: B1 NO:6 PO2		
start stop duration			E 1335
TIME :13:51:00 14:21:00 30 (min			
LOG :2154.20 2155.60 1.40	Area code :	2	
FDEPTH: 227 222	GearCond.code:		
BDEPTH: 227 222	Validity code:		
Towing dir: 90° Wire out:	700 m Speed: 28	kn*10	
Sorted: 170 Kg Total catch:	578.73 CA1	CH/HOUR: 1	157.46
SPECIES	CATCH/HOUR	N OF TOT. C	SAMP
	weight numbers		
Trachurus capensis	581.68 3184	50.25	1812
Merluccius capensis, female	215.16 1196	18.59	1811
Merluccius capensis, male	182.16 1416	15.74	1810
Merluccius capensis, female	66.70 72	5.76	1808
Merluccius capensis, juveniles	33.00 818		
Merluccius capensis, male	29.60 52		1807
Sufflogobius bibarbatus	15.04 2270		1007
Chelidonichthys capensis			
Coelorinchus fasciatus	9.16 194		
Todaropsis eblanae	5.02 150		
Lophius vomerinus		0.35	1813
Galeus polli	2.02 80		
Lepidopus caudatus	1.58 36	0.14	
Total	1157.46	99.99	

DATE: 4/11/94 GEAR T start stop duration TIME :16:28:00 30 (mi LOG :2163.60 2165.20 1.60 FDEFTH: 199 193 BDEPTH: 199 193 Towing dir: 90* Wire out	n) Purpose code: 3 Area code: 2 GearCond.code: Validity code:		DATE: 5/11/94 GEAR : start stop duration TIME :12:06:00 12:35:00 30 (m LOG :2263.70 2265.40 1.70 FDEPTH: 262 281 BDEPTH: 262 281 Towing dir: 270° Wire out	in) Purpose code: 3 Area code : 2 GearCond.code: Validity code:
Sort <del>e</del> d: 88 Kg Total catch	: 573.15 CATCH/HOUR: 1	146.30	Sorted: 54 Kg Total catc	h: 319.51 CATCH/HOUR:
SPECIES Trachurus capensis Merluccius capensis, female Merluccius capensis, male Sufflogobius capensis, male Sufflogobius bibarbatus Chelidonichthys capensis Total	CATCH/HOUR         % oF TOT. C           weight         numbers           607.74         5368           279.50         2898           175.50         5446           15.31         63.04           61.30         1222           9.22         26           1146.30         100.00	SAMP 1814 1816 1817 1815	SPECIES Merluccius capensis, female Merluccius capensis, male Merluccius capensis, juveniles Trachurus capensis Pterothrissus belloci PORTUNIDAE Lophius vomerinus Sufflogobius bibarbatus Austroglossus microlepis	CATCH/HOUR & OF TO Weight numbers 292.60 2786 45 237.50 2268 37 34.08 900 5 32.30 368 55 18.36 292 2 10.38 392 1 7.20 26 1 3.80 50 0 1.80 8 0
			Squilla sp. Chlorophthalmus punctatus Total	0.88 50 0 0.12 12 0 639.02 99
start stop duration TIME :18:14:00 18:44:00 30 (mi LOG :2172.60 2174.10 1.50 FDEFTH: 177 172 BDEPTH: 177 172 Towing dir: 80° Wire out Sorted: Kg Total catch	n) Purpose code: 3 Area code : 2 GearCond.code: Validity code: : 540 m Speed: 31 kn*10	s 2340 E 1351	DATE: 5/11/94 GEAR start stop duration TIME :14:09:00 14:39:00 30 (m LOG :2274.50 2276.30 1.70 FDEPTH: 347 352 BDEPTH: 347 352 Towing dir: 350° Wire out	Area code : 2 GearCond.code: Validity code:
Merluccius capensis, juveniles	20.00 2000.00		Sorted: 211 Kg Total cate	
start stop duration TINE:06:32:00 07:02:00 30 (mi LOG :2235.20 2236.70 1.50 FDEFTH: 154 157 BDEPTH: 154 157 Towing dir: 260* Wire out Sorted: Kg Total catch SPECIES Merluccius capensis, juveniles	<ul> <li>Purpose code: 3 Area code: 2 GearCond.code: Validity code: : 440 m Speed: 30 kn*10</li> <li>: 0.69 CATCH/HOUR: CATCH/HOUR 1 OF TOT. C weight numbers 1.32 78 95.65</li> </ul>	s 2321 E 1354	SPECIES Merluccius capensis, female Helicolenus dactylopterus Galeus polli Merluccius capensis, male Coelorinchus fasciatus Lophius vomerinus Chlorophthalmus punctatus Genypterus capensis Trachurus capensis Shrimps, small, non comm. Nezumia sp. Todarodes sagittatus Merluccius paradoxus, female Todaropsis eblanae Bathynectes piperitus Merluccius paradoxus, male Total	CATCH/HOUR 1 OF TO weight numbers 209.50 256 24 185.90 4246 21 171.60 2838 21 135.40 166 15 38.28 990 44 3 22.88 1606 22 22.44 66 2 16.50 44 3 22.88 1606 2 22.44 66 2 16.50 44 3 10.33 2508 1 1.3.70 880 0 5.50 44 0 1.92 14 0 1.75 44 0 0.44 22 0 0.38 2 0 862.74 999
Sufflogobius bibarbatus Total DATE: 4/11/94 GEAR T start stop duration TIME :08:28:00 08:59:00 30 (mi) LOG :2245.00 2246.66 1.60 FDEFFH: 152 154 DDEPTH: 152 154 Towing dir: 270 Wire out Sorted: 3 Kg Total catch SPECIES Merluccius capensis, juveniles Sufflogobius bibarbatus Todaropsis eblanae Total DATE: 5/11/94 GEAR T start stop duration TIME :10:09:00 10:33:00 30 (mi)	0.06         24         4.35           1.38         100.00           PROJECT STATI           YPE: BT NO:         POSTTION:Lat           Image: Code         3           Area code         : 2           GearCond.code:         Validity code:           'Validity code:         : 4 OF TOT. C           Weight numbers         3.65         CATCH/HOUR:           CATCH/HOUR         1 OF TOT. C           Weight numbers         3.76         162           3.44         1720         47.12           0.08         2         1.10           7.30         100.00         100.00	on: 561 s 2321 E 1344 7.30 SAMP 1819	start stop duration TIME :16:07100 16:37:00 30 (m LOG :2286.60 2288.20 1.60 FDEPTH: 406 409 BDEPTH: 406 409 Towing Cir: 5° Wire out Sorted: 190 Kg Total catcl SPECIES Helicolenus dactylopterus Merluccius capensis, female Shrimps, small, non comm. Hoplostethus cadenati Lophius vomerinus Nezumia sp. Coelorinchus fasciatus RAJIDAE Selachophidium guentheri Etmopterus lucifer Merluccius sexspinis Schedophilus huttoni Merluccius capensis, male Genypterus capensis Galeus polli Photichthys argenteus GALATMEDAE Trachyrincus scabrus Chlorophthalmus punctatus MORIDAE	in) Purpose code: 3 Area code : 2 GearCond.code: validity code: validity code: carCeH/HOUR & oF TO veight numbers 259.20 3576 24 166.90 94 17 112.56 61608 10 91.68 7968 88 60.90 46 5 59.32 2544 55 51.12 912 4 38.88 1536 3 38.88 1536 3 38.88 1536 3 38.88 1536 3 38.88 1536 3 38.88 1536 3 32.40 96 3 28.80 86 2 28.72 1008 1 18.72 100 1 1.0.90 6 1 1.20 72 0 1.20 72 0 0.96 96 0
LOG :2253.60 2255.10 1.50 FDEPTH: 175 186 BDEPTH: 175 186 Towing dir: 270° Wire out: Sorted: 26 Kg Total catch	: 576.40 CATCH/HOUR: 1 CATCH/HOUR 1 OF TOT. C	152.80 Samp	Epigonus denticulatus Merluccius paradoxus, male Coelorinchus braueri Total	0.96 96 0 0.92 6 0 0.72 24 0 1038.50 99
	weight numbers			

s CATCH weight 499.40 275.00 58.52 11.00 2.64 2.20 /HOUR numbers 6864 8800 4224 220 132 44 220 Merluccius capensis, female Merluccius capensis, juveniles Merluccius capensis, male Chelidonichthys capensis Trachurus capensis Austroglossus microlepis Sufflogobius bibarbatus 43.32 26.37 23.85 5.08 0.95 0.23 0.19 1821 1822 1820 1152.80 99.99 Total

PROJECT STATION: 565 POSITION:Lat S 2321 Long E 1309 PROJECT CEAR TYPE: BT No: POSITION:1 stop duration I 16:37:00 30 (min) Purpose code: 3 2288.20 1.60 Area code : 2 409 GearCond.code: 409 Validity code: r: 5\* Wire out:1150 m Speed: 32 kn\*10

PROJECT STATION: 563 GEAR TYPE: BT No: POSITION:Lat S 2321 duration Long E 1325

HOUR & OF TOT. C numbers 2786 45.79 2268 37.17

PROJECT STATION: 564 GEAR TYPE: BT No: POSITION:Lat S 2321 ration Long E 1317

Total catch: 431.37 CATCH/HOUR: 862.74

45.79 37.17 5.33 5.05 2.87 1.62 1.13 0.59 0.28 0.14

0.02

99.99

HOUR 1 OF TOT. C SAMP

24.28 21.55 19.89 15.69 4.44 3.73 2.65 2.60 1.91 1.20 0.89 0.64 0.22 0.20 0.05 0.04

99.98

99.82

639.02

SAMP

1824

1828

1827

1832

1831

1835

1833 1834

1829

1830

Sorted: 190 Kg Total catch:	520.33	CATCH	/HOUR:	1040.56
ECIES	CATCH/H		OF TOT.	C SAMP
		umbers		
licolenus dactylopterus	259.20	3576	24.91	
rluccius capensis, female	186,90	94	17.96	
rimps, small, non comm.	112.56	61608	10.82	
plostethus cadenati	91.68	7968	8.81	
phius vomerinus	63.90	46	5.85	1840
zumia sp.	58.32	2544	5.60	
elorinchus fasciatus	51.12	912	4.91	
JIDAE	38.88	48	3.74	
lachophidium guentheri	38.88	1536	3.74	
mopterus lucifer	32.40	96	3.11	
rluccius paradoxus, female	28.80	86	2.77	1837
tacanthus sexspinis	18.72	1008	1.80	
hedophilus huttoni	18.72	6	1.80	
rluccius capensis, male	14.00	10	1.35	1838
nypterus capensis	10.90	6	1.05	1841
leus polli	7.20	120	0.69	
otichthys argenteus	2.16	216	0.21	
LATHEIDAE	1.20	1056	0.12	
achyrincus scabrus	1.20	72	0.12	
lorophthalmus punctatus	1.20	72	0.12	
RIDAE	0.96	96	0.09	
igonus denticulatus	0.96	96	0.09	
rluccius paradoxus, male	0.92	6	0.09	
elorinchus braueri	0.72	24	0.07	
Canal Manual Manual	v. / 2	24	0.07	

			JECT STATIO	
	R TYPE: BT No:	POSIT		231
start stop duratio				1304
	(min) Purpose			
LOG :2295.80 2297.30 1.50	Area co			
FDEPTH: 500 500		nd.code:		
BDEPTH: 500 500		y code:		
Towing dir: 350° Wire o	ut:1400 m sp	eea: JUK	n*10	
Sorted: 104 Kg Total cat	ich: 208.20	) CATCH	/HOUR: 4	16.40
SPECIES	CATCH	HOUR N	OF TOT. C	SAM
	weight	numbers		
Merluccius paradoxus, female	149.50	280	35.90	184
frachyrincus scabrus	93.60	372	22.48	
Selachophidium guentheri	43.44	912	10.43	
Nezumia sp.	37.56		9.02	
SQUALIDAE	34.20	84	8.21	
Todarodes sagittatus	12.24	24	2.94	
Hoplostethus cadenatí	11.64	432	2.80	
Merluccius capensis, female	10.06	6	2.42	184
ferluccius paradoxus, male	7.60	22	1.83	184
Galeus polli	4.68	60	1.12	
Schedophilus huttoni	3.48	12	0.84	
Frachurus capensis	2.88	24	0.69	
Helicolenus dactylopterus	2.52	12	0.61	
Shrimps, small, non comm.	1.80	744	0.43	
Lamprogrammus exutus	0.96	24	0.23	
Epigonus denticulatus	0.24	12	0.06	
Total	416.40		100.01	

Total

100.01

		PROJ	ECT STATIO	N· 569
DATE: 6/11/94 GEAR :	YPE: BT No:8			
start stop duration			Long E	
	in) Purpose c	ode: 3		
LOG :2332.30 2333.90 1.70	Area code			
FDEPTH: 385 375	GearCond.	code :		
BDEPTH: 385 375	Validity	code:		
Towing dir: 345° Wire out	1150 m Spee	d: 34 kn	*10	
Sorted: 117 Kg Total catch	n: 396.03	CATCH/	HOUR: 7	92.05
SPECIES	CATCH/HO		OF TOT. C	SAMP
		mbers		
Helicolenus dactylopterus	194.40	2340	24.54	
Merluccius capensis, female	82.70	48	10.44	1857
SQUALIDAE	57.42	54	7.25	
Merluccius paradoxus, female	53.80	336		1855
Shrimps, small, non comm.	53.64	7146		
Schedophilus huttoni	48.78	18	6.16	
Selachophidium guentheri	48.06	882	6.07	
Yarrella blackfordi	45.72	360	5.77	
Nezumia sp.	39.06	1152		
Coelorinchus fasciatus	38.88	738	4.91	
Epigonus denticulatus	26.46	702	3.34	

Coelorinchus fasciatus	38.86	738	4.91	
Epigonus denticulatus	26.46	702	3.34	
Lophius vomerinus	21.00	14	2.65	1858
Todarodes sagittatus	18.54	18	2.34	
Hoplostethus cadenati	18.36	2178	2.32	
Galeus polli	11.16	90	1.41	
Aristeus varidens	9.90	756	1.25	
Notacanthus sexspinis	8.64	90	1.09	
Chlorophthalmus atlanticus	7.74	36	0.98	
Merluccius capensis, male	5.20	4	0.66	1855
Merluccius paradoxus, male	2.60	22	0.33	1854
Total	792.06		100.00	
TOTAL	/92.06		100.00	

		PROJE	CT STATIO	N: 570
DATE: 6/11/94 GEAR TY	E: BT No:8	POSITIO	N:Lat S	2259
start stop duration			Long E	1309
TIME :08:02:00 08:32:00 30 (min)	Purpose c	ode: 3	-	
LOG :2340.50 2342.10 1.60	Area code	: 2		
FDEPTH: 308 315	GearCond.	code:		
BDEPTH: 308 315	Validity	code:		
Towing dir: 90° Wire out;	920 m Spee	d: 30 kn*	10	
Sorted: 63 Kg Total catch:	210.53	САТСН/Н	OUR: 4	21.06
SPECIES	CATCH/HO		F TOT. C	SAMP
		mbers		
Helicolenus dactylopterus	175.00	4020	41.56	
Merluccius capensis, female	65.90		15.65	1860
Coelorinchus fasciatus	59.40	1420	14.11	
Trachurus capensis	53.60	180	12.73	
Lophius vomerinus	24.80	18	5.89	1862
Galeus polli	21.80	600	5.18	
Chlorophthalmus atlanticus	9.20	640	2.18	
Todarodes sagittatus	7.20	40	1.71	1070
Merluccius capensis, male	1.80	4	0.43	1859
Genypterus capensis	1.00	40	0.24	1863
Merluccius paradoxus, female	0.96	8	0.23	1861
Aristeus varidens	0.40	40	0.09	
Total	421.06	-	100.00	

	F	ROJECT STATI	ON: 571
DATE: 6/11/94 GEAR TY	PE: BT No:8 POS	ITION:Lat	S 23CO
start stop duration		Long	E 1320
TIME :10:02:00 10:32:00 30 (min	} Purpose code:	3	
LOG :2351.90 2353.50 1.60	Area code ;	2	
FDEPTH: 343 332	GearCond.code:		
BDEPTH: 343 332	Validity code:		
Towing dir: 90* Wire out:	1000 m Speed: 27		
-	-		
Sorted: 83 Kg Total catch:	137.44 CA1	CH/HOUR:	274.88
SPECIES	CATCH/HOUR	1 OF TOT. C	SAMP
SPECIES			SAMP
Merluccius capensis, female	87.30 218		1865
Coelorinchus fasciatus	56.20 1070	20.45	
Helicolenus dactylopterus	35.80 1330	13.02	
Merluccius capensis, male	27.80 110	10.11	1864
Lophius vomerinus	22.20 24	8.08	1867
Galeus polli	17.60 400	6.40	
Trachurus capensis	11.60 70	4.22	
Todarodes sagittatus	8.50 50	3.09	

Nellaceias cabensis, ware		110		1004
Lophius vomerinus	22.20	24	8.08	1867
Galeus polli	17.60	400	6.40	
Trachurus capensis	11.60	70	4.22	
Todarodes sagittatus	8.50	50	3.09	
Chlorophthalmus atlanticus	3.60	390	1.31	
Merluccius capensis, juveniles	2.18	76	0.79	1865
MYCTOPHIDAE	2.00	910	0.73	
Nezumia sp.	0.10	30	0.04	
Total	274.88		100.00	

	PRO	JECT STATION: 567
		ION:Lat S 2309
start stop duration		Long E 1300
	in) Purpose code: 3	
LOG :2303.80 2305.40 1.60	Area code : 2	
FDEPTH: 590 590	GearCond.code:	
BDEPTH: 590 590	Validity code:	
Towing dir: 340* Wire ou	t:1650 m Speed: 32 km	10
Sorted: 174 Kg Total catc	h: 226.79 CATCH,	/HOUR: 453.58
SPECIES	CATCH/HOUR	OF TOT. C SAMP
	weight numbers	
Merluccius paradoxus, female	277.50 476	61.18 1846
Nezumia sp.	38.30 1190	8.44
Deania calcea	31.50 36	6.94
Raja confundens	28.64 50	6.31
Selachophidium guentheri	18.98 364	4.18
Merluccius capensis, female	12.16 6	2.68 1847
Merluccius paradoxus, male	10.90 20	2.40 1845
Allocyttus verrucosus	8.20 42	1.81
Todarodes sagittatus	6.72 8	1.48
Lophius vomerinus	5.80 4	1.28 1848
Galeus polli	5.60 50	1.23
Trachyrincus scabrus	3.72 22	0.82
Shrimps, small, non comm.	2.10 756	0.46
Lamprogrammus exutus	1.26 28	0.28
Hoplostethus cadenati	1.12 36	0.25
Heterocarpus grimaldii	C.42 28	0.09
Notacanthus sexspinis	C.22 8	0.05
Ebinania costaecanarie	0.22 8	0.05
Melanocetus johnsoni	0.14 8	0.03
Nephropsis atlantica	C.08 8	0.02
Total	453.58	99.98

					PROJECT STA	TION: 568
DATE:	5/11/94		GEAR TYPE	: BT No:8	POSITION:Lat	S 2302
	start	stop dur	ation		Long	E 1302
TIME	:21:26:00	21:56:00 3	0 (min)	Purpose co	ode: 3	
LCG	:2312.30	2313.90 1.	60	Area code	: 2	
FDEPT	H: 450	443		GearCond.	code:	
BDEPT	H: 450	443		Validity	code:	
	Towing di	ir: 340* Wi	re out:13	00 m Speed	d: 33 kn*10	
Sor	ted: 113 Kg	g Total	catch:	288.96	CATCH/HOUR:	577.92

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	187.20	1424	32.39	
Helicolenus dactylopterus	97.76	784	16.92	
Merluccius capensis, female	86.40	44	14.95	1850
Merluccius paradoxus, female	62.90	286	10,88	1852
Epigonus denticulatus	37.44	368	6.48	
Nezumia sp.	28.64	1472	4.96	
Selachophidium guentheri	22.24	432	3.85	
Hoplostethus cadenati	14.40	736	2.49	
Lophius vomerinus	14.00	10	2.42	1853
Merluccius capensis, male	8.20	8	1.42	1849
Deania profundorum	7.04	16	1.22	
Merluccius paradoxus, male	6.10	32	1.06	1851
Bassanago albescens	2.56	64	0.44	
Shrimps, small, non comm.	1.76	640	0.30	
Dicrolene intronigra	1.12	16	0.19	
Raja confundens	0.16	16	0.03	
Total	577.92		100.00	

		BPO TI	ECT STATIO	
DATE: 6/11/94 GEAR <sup>4</sup> start stop duration	TYPE: BT No:8	POSITIC	N:Lat S	2259 1332
TIME :11:58:00 12:13:00 15 (m	in) Purpose	code: 3	cong c	1002
LOG :2362.40 2363.20 0.80 FDEPTH: 217 209 BDEPTH: 217 209	GearCond			
BDEPTH: 217 209 Towing dir: 75° Wire out	Validity t: 660 m Spe	code: ed: 32 kn	10	
Sorted: 37 Kg Total catc	-			15.04
-				
SPECIES	CATCH/H weight n		OF TOT. C	SAMP
Merluccius capensis, male	583.28 579.48	7144 6232	41.22 40.95	1868 1869
Merluccius capensis, female Merluccius capensis, juveniles	191.12	4484	13.51	1870
Irachurus capensis	61.15	456	4.32	1871
Total	1415.04		100.00	
		PROJ	ECT STATIO	N: 573
DATE: 6/11/94 GEAR start stop duration	TYPE: BT No:8	POSITI	DN:Lat S	2300
TIME :13:34:00 13:49:00 15 (m.	in) Purpose	code: 3	Long E	1342
LOG :2373.30 2374.20 0.90 FDEPTH: 145 143	Area cod GearCond	le :2		
BDEPTH: 145 143 Towing dir: 90° Wire ou	Validity	code:	-10	
Sorted: 17 Kg Total cate	h: 17.23	CATCH/	HOUR:	68.92
SPECIES			OF TOT. C	SAMP
Merluccius cap <del>e</del> nsis, juveniles	weight r 34.20	1152	49.62	1874
Thyrsites atun Merluccius capensis, female	14.0C 11.56	4 164	20.31 16.77	1873
Merluccius capensis, male	9.16	120	13.29	1873
Total	68.92		99.99	
		****		
DATE: 8/11/94 GEAR	TYPE: BT No:		ECT STATIO DN:Lat S	2238
start stop duration TIME :18:42:00 18:57:00 15 (m		code: 3	Long E	1331
LOG :2495.80 2496.60 0.80	Area coo	le : 2		
FDEPTH: 179 196 BDEPTH: 179 196	GearCond Validity	code:		
Towing dir: 265" Wire ou	t: 540 m Spe	ed: 32 kn	*10	
Sorted: 14 Kg Total cate	h: 73.00	CATCH	HOUR: 2	92.00
				-
SPECIES	weight r	umbers	OF TOT. C	SAMP
Merluccius capensis, female Merluccius capensis, male	166.20 109.20	2820 1940	55.92 37.40	1876 1875
Trachurus capensis	7.80	100	2.67	1878
Merluccius capensis, juveniles Sufflogobius bibarbatus	6.60 2.20	360 840	2.26 0.75	1877
Total	292.00		100.00	
			100100	
DATE: 9/11/94 GEAR	TYPE: BT No:	PROJ	ECT STATIO DN:Lat S	
start stop duration	TYPE: BT No:	POSITI	ECT STATIO DN:Lat S Long E	2238
start stop duration TIME :06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00	in) Purpose Area con	POSITI code: 3 ie : 2	ON:Lat S	2238
start stop duration TIME :06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00	in) Purpose Area cod GearCond	POSITI code: 3 de : 2 d.code:	ON:Lat S	2238
start stop duration TIME :06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253	in) Purpose Area con	POSITI code: 3 de : 2 d.code: y code:	ON:Lat S Long E	2238
start stop duration TIME :06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253	in) Purpose Area con GearCons Validity t: 750 m Spe	POSITI code: 3 de : 2 d.code: 7 code: red: 29 km	ON:Lat S Long E	2238 1324
start stop duration TIME J6:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou	in) Purpose Area con GearCons Validity t: 750 m Spe	POSITI code: 3 de : 2 d.code: 7 code: red: 29 km	ON:Lat S Long E *10	2238 1324
start stop duration TIME 166:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total cate	in) Purpose Area con GearConc Validity t: 750 m Spe h: 110.80 CATCH/H	POSITI- code: 3 de : 2 l.code: 7 code: red: 29 km CATCH/	ON:Lat S Long E *10	2238 1324
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc	in) Purpose Area con GearCony Validity t: 750 m Spe h: 110.80 CATCH/F Weight n 131.85	POSITI code: 3 ie : 2 l.code: 7 code: red: 29 km CATCH/ HOUR 1 houmbers 1116	NY:Lat S Long E *10 HOUR: 3 DF TCT. C 39.67	2238 1324 32.40 SAMP 1884
start stop duration TIME J06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Frachurus capensis Krachurus capensis, female	in) Purpose Area cor Gearconc validity t: 750 m Spe h: 110.80 CATCH/F weight r	POSITI code: 3 de : 2 d.code: 7 code: red: 29 km CATCH/ HOUR 1 Jumbers	NY:Lat S Long E *10 HOUR: 3 DF TCT. C	2238 1324 32.40 SAMP
start stop duration TIME J06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female	in) Purpose Area con GearConv Validity t: 750 m Spe h: 110.80 CATCH/F weight s 131.85 91.80 46.80 33.90	POSITI code: 3 ie : 2 i.code: 2 red: 29 km CATCH/ HOUR 1 humbers 1116 531 369 39	<pre>N:Lat S Long E Long E 10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male	in) Purpose Area co: GearConc Validity t: 750 m Spe h: 110.80 CATCH/F Weight r 131.85 91.80 46.80	POSITI code: 3 ie : 2 i.code: red: 29 km CATCH/ HOUR 10 numbers 1116 531 369	<pre>N:Lat s Long E *10 HOUR: 3 OF TCT. C 39.67 27.62 14.08</pre>	2236 1324 32.40 SAMP 1884 1882 1881
start stop duration TIME J06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, juveniles Sufflogobius bibarbatus	in) Purpose Area co GearCon Validity t: 750 m Spe h: 110.80 CATCH/ weight : 131.85 91.80 46.80 33.90 16.35 4.41 2.34	POSITI code: 3 ie : 2 i.code: / code: / cod	<pre>&gt;DN:Lat S Long E +10 +10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BOEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male	<pre>in) Purpose Area con GearCon: validity t: 750 m Spe h: 110.80 CATCH/ weight n 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.98 1.71</pre>	POSITI code: 3 le : 2 .code: 2 v code: 2 v code: 2 v chrcH/ HOUR 1 1116 531 369 39 21 288 594 9 45	<pre>&gt;DN:Lat S Long E +10 +10 +10 DF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 PDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350" Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, male Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra	<pre>in) Purpose Area co GearCon/ Validity t: 750 m Spe h: 110.80 CATCH/# weight n 131.85 91.80 46.80 33.90 46.80 33.90 16.35 4.41 2.34 1.98 1.71 1.06</pre>	POSITI code: 3 i.code: 2 / code: 2 /	<pre>&gt;</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879
start stop duration TIME J06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile	in) Purpose Area co GearCon Validity t: 750 m Spe h: 110.80 CATCH/ weight r 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.96 1.71 1.08 0.18	POSITI code: 3 le : 2 .code: 2 v code: 2 v code: 2 v chrcH/ HOUR 1 1116 531 369 39 21 288 594 9 45	<pre>&gt;</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BOEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total cato Serted: 48 Kg Total cato SPECIES Frachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile	<pre>in) Purpose Area co GearCon/ Validity t: 750 m Spe h: 110.80 CATCH/# weight n 131.85 91.80 46.80 33.90 46.80 33.90 16.35 4.41 2.34 1.98 1.71 1.06</pre>	POSITI code: 3 i.code: 2 / code: 2 /	<pre>&gt;</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BOEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total cato Serted: 48 Kg Total cato SPECIES Frachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile	in) Purpose Area co GearCon Validity t: 750 m Spe h: 110.80 CATCH/ weight r 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.96 1.71 1.08 0.18	POSITI code: 3 i.code: 2 / code: 2 /	<pre>&gt;</pre>	2238 1324 32.40 SAMP 1884 1882 1881 1880 1889
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Trachurus capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile Total	in) Purpose Area co GearCon Validity t: 750 m Spe h: 110.80 CATCH/ weight r 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.96 0.18 0.18	POSITI code: 3 i.code: 2 v.code: v rode: 29 km CATCH/ HOUR 1 1116 551 369 21 288 594 9 22 288 594 9 45 9 45	<pre>&gt;</pre>	2236 1324 32.40 SAMP 1884 1882 1881 1880 1879 1883
start stop duration TIME JO6:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, male Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration	in) Purpose Area co validity t: 750 m Spe h: 110.80 CATCH/ weight r 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.98 0.18 0.18 332.40	POSITI code: 3 i.code: 2 .code: 7 code: 29 kn chrcH/ humbers 1116 551 369 21 288 594 9 45 9 45 9 45 9 45	<pre>&gt;&gt;N:Lat S Long E &gt;&gt;10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00</pre>	2238 1324 32.40 SAMP 1884 1882 1881 1883 1883
start stop duration TIME J06:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrisus belloci Todaropsis eblanae Trigala lyra Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration TIME 108:38:00 08:58:00 20 (m	<pre>in) Purpose Area coc Gearconc Validity t: 750 m Spe h: 110.80 CATCH/F weight f 131.85 91.80 46.80 46.80 33.90 16.35 4.41 2.34 1.08 0.18 332.40 TYPE: BT NO: in) Purpose</pre>	POSITI code: 3 ie : 2 .code: / code: / code	<pre>&gt;DN:Lat S Long E Long E +10 +10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00 ECT STATIO ON:Lat S</pre>	2238 1324 32.40 SAMP 1884 1882 1881 1883 1883
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350' Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Kerluccius capensis, female Kerluccius capensis, fale Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, juveniles Sufflogobius bibarbatus Pterothrisus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile DATE: 9/11/94 GEAR DATE: 9/12/94 0258.00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 258 296	<pre>in) Purpose Area coc GearCon Validity t: 750 m Spe h: 110.80 CATCH/# weight c 131.85 91.80 46.80 33.90 16.35 4.41 2.34 1.98 1.71 1.08 0.18 232.40 TYPE: BT NO: in) Purpose Area coc GearConc</pre>	POSITI code: 3 ie : 2 .code: / code: / code	<pre>&gt;DN:Lat S Long E Long E +10 +10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00 ECT STATIO ON:Lat S</pre>	2238 1324 32.40 SAMP 1884 1882 1881 1883 1883
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration TIME :08:38:00 08:58:00 20 (m LOG :2530.40 2531.50 1.10	<pre>in) Purpose Area con GearCon validity t: 750 m Spe h: 110.80 CATCH/4 weight 5 91.80 46.80 33.90 16.35 4.41 2.34 1.98 1.71 1.08 0.18 332.40 TYPE: BT No: in) Purpose Area con GearConc Validity</pre>	POSITI code: 3 ic : 2 l.code: / code: / code:	DN:Lat S Long E +10 HOUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.60 0.51 0.32 0.05 100.00 ECT STATIO DN:Lat S Long E	2238 1324 32.40 SAMP 1884 1882 1881 1883 1883
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, male Kerluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigal lyra Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration TIME :08:38:00 08:58:00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 298 296 DEDETH: 298 296 Towing dir: 300° Wire ou	<pre>in) Purpose Area cod GearConc Validity t: 750 m Spe h: 110.80 CATCH/% weight f 131.85 9.80 46.80 33.90 16.35 46.80 33.90 16.35 1.71 1.08 0.18 332.40 TYPE: BT No: in) Purpose GearConc Validity t: 900 m Spe</pre>	POSITI code: 3 ie : 2 .code: / code: / code: / code: / code: / code: / code: 28 29 45 9 9 45 16 7 7 7 7 7 7 7 7 7 7 7 7 7	<pre>DN:Lat S Long E +10 HCUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00 DX:Lat S Long E +10</pre>	2236 1324 32.40 SAMP 1884 1880 1881 1880 1879 1883 1883
start stop duration TIME 106:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile DATE: 9/11/94 GEAR start stop duration TIKE :08:38:10 08:58:00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 296 296	<pre>in) Purpose Area cod GearConc Validity t: 750 m Spe h: 110.80 CATCH/% weight f 131.85 9.80 46.80 33.90 16.35 46.80 33.90 16.35 1.71 1.08 0.18 332.40 TYPE: BT No: in) Purpose GearConc Validity t: 900 m Spe</pre>	POSITI code: 3 ie : 2 .code: / code: / code: / code: / code: / code: / code: 28 29 45 9 9 45 16 7 7 7 7 7 7 7 7 7 7 7 7 7	<pre>DN:Lat S Long E +10 HCUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00 DX:Lat S Long E +10</pre>	2238 1324 32.40 SAMP 1884 1882 1881 1883 1883
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start stop duration TIME J06:33:00 006:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, juveniles Suffogobius bibarbatus Prerothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile DATE: 9/11/94 GEAR start stop duration TIME J08:38:10 08:58:00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 296 296 DDEPTH: 296 296 Towing dir: 300° Wire ou Sorted: 106 Kg Total catc SPECIES Coelorinchus fasciatus Merluccius capensis, female Merluccius capensis, male Merluccius capensis male	<pre>in) Purpose Area con Gearcon validity t: 750 m Spe h: 110.80 CATCH/* weight i 131.85 91.80 46.80 33.90 16.35 91.80 46.80 33.90 16.35 91.80 46.80 33.90 16.35 91.80 46.80 0.18 TYPE: BT No: in) Purpose Area con GearCon validity t: 900 m Spe h: 212.02 CATCH/* weight i 214.80 14.10 53.85 28.80 14.10 53.85 28.80 14.10 5.76 1.92 1.71 1.44 0.84</pre>	POSITI code: 3 ie : 2 l.code: red: 29 kn cATCH/ ioUR 1 ii6 551 369 39 21 288 554 9 45 9 45 9 45 9 45 9 45 9 45 9 4	DN:Lat S Long E Long E *10 HCUR: 3 OF TCT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.60 0.51 0.51 0.51 0.51 0.51 0.51 0.51 0.5	2236 1324 32.40 SAMP 1884 1880 1879 1883 1883 1883 1883 1883 36.06 SAMP 1886 1886 1886 1886 1887 1889
start stop duration TIME 106:33:00 006:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350° Wire ou Sorted: 48 Kg Total catc SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, juveniles Sufflogobius bibarbatus Pterothrissus belloci Todaropsis eblanae Trigla lyra Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration TIME 108:38:00 08:58:00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 298 296 BDEPTH: 298 296 Towing dir: 300° Wire ou Sorted: 106 Kg Total catc SPECIES Coelorinchus fasciatus Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, female Merluccius capensis, male Merluccius capensis, female Merluccius capensis Juententententententententententententente	<pre>in) Purpose Area con GearCon validity t: 750 m Spe h: 110.80 CATCH/% weight f 131.85 91.80 46.80 33.90 16.35 91.80 46.80 33.90 16.35 91.80 46.80 33.90 16.35 91.80 46.80 0.18 71 332.40 TYPE: BT No: in) Purpose Area con validity t: 900 m Spe h: 212.02 CATCH/% veight f 214.80 14.10 9.96 53.85 28.80 14.10 9.960 5.76 1.92 1.71 1.44 0.84 0.84 0.84 0.84 0.84 0.84 0.84 0</pre>	POSITI code: 3 ie : 2 l.code: / code: / code:	<pre>DN:Lat S Long E Long E *10 HOUR: 3 OF TGT. C 39.67 27.62 14.08 10.29 4.02 1.33 0.70 0.60 0.51 0.32 0.05 100.00 ECT STATIO DN:Lat S Long E *10 HOUR: 6 OF TGT. C 33.77 22.64 13.30 10.00 8.47 4.53 2.22 1.57 1.51 0.91 0.27 0.27 0.27</pre>	2236 1324 32.40 SAMP 1884 1880 1879 1883 1883 1883 1883 1883 36.06 SAMP 1886 1886 1886 1886 1887 1889
start stop duration TIME J66:33:00 06:53:00 20 (m LOG :2518.10 2519.10 1.00 FDEPTH: 253 253 BDEPTH: 253 253 Towing dir: 350' Wire ou Sorted: 48 Kg Total cate SPECIES Trachurus capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, juveniles Sufflogobius bibarbatus DATE: 9/11/94 GEAR start stop duration TiME 100 08:58:00 20 (m Trachurus capensis, juvenile Trachurus capensis, juvenile Total DATE: 9/11/94 GEAR start stop duration TIME 100 08:58:00 20 (m LOG :2530.40 2531.50 1.10 FDEPTH: 298 296 BDEPTH: 298 296 Towing dir: 300' Wire ou Sorted: 106 Kg Total cate SPECIES Coelorinchus fasciatus Kerluccius capensis, female Kerluccius capensis, male Kerluccius capensis, Kemale Kerluccius Capensis, Kemale Ker	<pre>in) Purpose Area coo Gearcon Validity t: 750 m Spe h: 110.80 CATCH/i weight c 131.85 91.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 46.80 16.35 4.41 2.34 .08 0.18 332.40 TYPE: BT NO: in) Purpose Area coo GearCon Validity t: 900 m Spe h: 212.02 CATCH/i weight c 214.80 144.00 84.60 53.85 28.80 14.10 9.96 9.60 5.76 1.92 1.71 1.44 0.84 0.84 0.84</pre>	POSITI code: 3 ie : 2 .code: red: 29 kn chee: rode: 29 kn lillé 551 369 21 288 594 9 221 288 594 9 21 288 594 9 21 288 594 9 9 45 9 9 11 10 6 9 9 45 9 9 45 9 10 10 10 10 10 10 10 10 10 10 10 10 10	DN:Lat S Long E Long E +10 HOUR: 3 OF TGT. C 39.67 27.62 14.08 10.20 4.92 1.33 0.70 0.60 0.51 0.32 0.05 100.00 ECT STATIO DN:Lat S Long E +10 HOUR: 6 OF TGT. C 33.77 22.64 13.30 10.00 8.47 4.53 2.22 1.57 1.51 0.30 0.27 0.32 0.27 0.33 0.13 0.13	2236 1324 32.40 SAMP 1884 1880 1879 1883 1883 1883 1883 1883 36.06 SAMP 1886 1886 1886 1886 1887 1889

636.05 100.02

Total

	PROJECT STATION: 577
DATE: 9/11/94 GEAR TY	PE: BT No: POSITION:Lat S 2242
start stop duration	Long E 1305
TIME :10:26:00 10:46:00 20 (min	) Purpose code: 3
LCG :2540.00 2541.30 1.30	Area code 2
FDEPTH: 312 309	GearCond.code:
BDEPTH: 312 309	Validity code:
Towing dir: 250" Wire out:	950 m Speed: 32 kn*10
Sorted: 245 Kg Total catch:	482.84 CATCH/HOUR: 1448.52
SPECIES	CATCH/HOUR & OF TOT. C SAME
	weight numbers
Merluccius capensis, female	984.90 852 67.99 1895
Merluccius capensis, male	314.10 312 21.68 1894
Ionnius Nomerinus	43 90 57 2 44 390

weight	numbers		
984.90	852	67.99	1895
314.10	312	21.68	1894
49.80	57	3.44	1893
28,02	264	1.93	1898
21.30	1080	1.47	
17.16	519	1.18	
11.45	210	0.79	1897
9.4B	168	0.65	1896
5.76	360	0.40	
4.44	234	0.31	
1,55	66	0.11	
0.30	36	0.02	
0.24	6	0.02	
1448.52		99.99	
	984.90 314.10 49.80 28.02 21.30 17.16 11.46 9.48 5.76 4.44 1.55 0.30 0.24	314.10 312 49.80 57 28.02 264 21.30 1080 17.16 519 11.46 210 9.48 168 5.76 360 4.44 234 1.55 66 0.30 36 0.24 6	$\begin{array}{cccccccccccccccccccccccccccccccccccc$

		PROJECT STAT	10N: 578
DATE: 9/11/94	GEAR TYPE: BT NO:	POSITION: Lat	S 2241
start stop		Long	E 1253
TIME :12:25:00 12:55		code: 3	
LOG :2553.30 2555.	10 1.80 Area cod	e:2	
FDEPTH: 395	99 GearCond	code:	
BDEPTH: 395	99 Validity	code:	
Towing dir: 34	0° Wire out:1150 m Spee	ed: 35 kn*10	
Sorted: 195 Kg	Total catch: 467.86	CATCH/HOUR:	935.72

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Merluccius paradoxus, female	240.00	1408	25.65	1902
Merluccius capensis, female	232.70	98	24.87	1900
Helicolenus dactylopterus	84.00	496	8.98	
Nezumia sp.	68.96	2418	7.37	
Shrimps, small, non comm.	51.52	51520	5.51	
Lophius vomerinus	43.50	16	4.65	1904
Schedophilus huttoni	42.72	16	4.57	
Selachophidium guentheri	33.76	512	3.61	
Genypterus capensis	25.60	14	2.74	1903
Coelorinchus fasciatus	24.96	400	2.67	
RAJIDAE	24.00	16	2.56	
Merluccius paradoxus, male	22.56	176	2.41	1901
Merluccius capensis, male	10.40	6	1.11	1899
Epigonus denticulatus	10.24	256	1.09	
Notacanthus sexspinis	4.64	352	0.50	
Etmopterus lucifer	4.48	16	0.48	
Galeus polli	4.16	64	0.44	
Hoplostethus atlanticus	3.52	128	0.38	
Aristeus varidens	1.92	464	0.21	
Ebinania costaecanarie	0.96	32	0.10	
Yarrella blackfordi	0.48	32	0.05	
Trachyrincus scabrus	0.32	16	0.03	
Chlorophthalmus atlanticus	0.32	16	0.03	
Total	935.72		100.01	

									PRO	JECT	STAT	TON	: 579
DATE:	9/11/	/94		GE/	AR TYPE	: BT	No:	PC	SIT	ION:	Lat	s	2239
	st	art	stop	durati	ion						Long	Е	1250
TIME	:13:5	6:00	14:26:00	30	(min)	Purp	ose	code:	3				
LOG	:2560	0.20	2561.30	1.10		Area	COC	le	: 2				
FDEPTH	1:	495	521			Gear	Cond	i.code					
BDEPTI	i:	495	521			Valie	dity	/ code					
	Towi	ing di	ir: 330*	Wire	out:14	00 m	Spe	ed: 2	3 kı	n*10			

Sorted: 112 Kg Total catch: 576.64 CATCH/HOUR: 1153.28

SPECIES	CATCH/HOUR		S OF TCT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	408.60	1440	35.43	
Deania calcea	183.36	72	15.90	
Merluccius paradoxus, female	150.10	564	13.02	1906
Nezumia sp.	98.64	6355	8.55	
Centrophorus squamosus	75.96	36	6.59	
Allocyttus verrucosus	61.56	972	5.34	
Selachophidium guentheri	27.72	792	2.40	
Helicolenus dactylopterus	24.48	144	2.12	
Deania profundorum	19.44	36	1.69	
Thysanoteuthis rhombus	19.08	35	1.65	
Hoplostethus cadenati	12.60	864	1.09	
Coelorinchus matamua	11.52	36	1.00	
Merluccius capensis, female	10.90	4	0.95	1907
Merluccius paradoxus, male	9.00	38	0.78	1905
Galeus polli	8.64	144	0.75	
Bathyuroconger vicinus	7.56	180	0.66	
Etmopterus lucifer	6.48	36	0.56	
Bassanago albescens	5.40	36	0.47	
Epigonus denticulatus	3.60	180	0.31	
Laemonema laureysi	2.52	36	0.22	
Notacanthus sexspinis	2.52	540	0.22	
Aristeus varidens	1.44	144		
Ebinania costaecanarie	1.08	36		
MYCTOPHIDAE	1.08	252	0.09	
Total	1153.28		100.00	

		PROJECT	STATION	: 580
DATE: 9/11/94 GEAR TY	PE: BT No: P	OSITION:L	at S	2237
start stop duration		Ľ	ong E	1247
TIME :15:29:00 15:59:00 30 (min	<ol> <li>Purpose code</li> </ol>	: 3		
LOG :2565.10 2567.00 1.90	Area code	: 2		
FDEPTH: 611 604	GearCond.cod	e:		
BDEPTH: 611 604	Validity cod			
Towing dir: 350* Wire out:	1600 m Speed: .	37 kn*10		
Sorted: 136 Kg Total catch:	634.73 C	ATCH/HOUR	: 126	9.46
SPECIES	CATCH/HOUR	I OF T	or. c	SAMP
	weight numbe	rs		
Centroscyllium fabricii	504.00 4	68 3	9.70	
Deania profundorum	309.80 1	44 2	4.40	
Merluccius paradoxus, female			2.91	1907
Selachophidium guentheri			4.68	
Nezumia sp.	54.00 20	88	4.25	
Allocyttus verrucosus	45.36 4	68	3.57	
Todarodes sagittatus			2.47	
Lophius vomerinus	14.70		1.16	1910
Lithodes ferox			1.06	
Notacanthus sexspinis			0.91	
RAJIDAE			0.85	
Etmopterus lucifer			0.79	
Hoplostethus atlanticus			0.79	1909
Aristeus varidens			0.54	
Merluccius paradoxus, male	6.32		0.50	1908
Coelorinchus matamua			C.48	
Hoplostethus cadenati			0.43	
Lophius vaillanti	3.38		0.27	1911
Chaceon maritae	2.30		0.18	
Nephropsis atlantica	0.72	36	0.06	
Total	1269.46	10	0.00	

	PROJECT STATION: 581
	PE: BT No: POSITION:Lat S 2226
start stop duration	Long E 1247
TIME :18:12:00 18:42:00 30 (min	
LOG :2580.60 2582.20 1.60	Area code : 2
FDEPTH: 540 517	GearCond.code:
BDEPTH: 540 517	Validity code:
Towing dir: 5° Wire out:	1450 m Speed: 29 kn*10
Sorted: 77 Kg Total catch:	286.86 CATCH/HOUR: 573.72
SPECTES	CATCH/HOUR 1 OF TOT. C SAMP
0.00100	weight numbers
Deania calcea	153.60 80 26.77
Trachyrincus scabrus	92.80 416 16.18
Merluccius paradoxus, female	72.20 136 12.58 1915
Nezumia sp.	71.20 2918 12.41
Selachophidium guentheri	36.16 304 6.30
Deania profundorum	29.60 32 5.16
Coelorinchus braueri	22.40 64 3.90
Allocyttus verrucosus	16.96 272 2.96
Hoplostethus cadenati	15.04 672 2.62
Lophius vaillanti	11.60 2 2.02 1913
Lophius vomerinus	10.60 4 1.85 1912
Lamprogrammus exutus	9,60 176 1.67
Raja confundens	7.84 16 1.37
Etmopterus pusillus	6.72 32 1.17
Notacanthus sexspinis	6.08 144 1.06
ALEPOCEPHALIDAE	3.20 416 0.56
Helicolenus dactylopterus	2.08 16 0.36
SHRIMPS	1.44 560 0.25
Yarrella blackfordi	1.44 112 0.25
Merluccius paradoxus, male	1.40 8 0.24 1914
Myxine capensis	1.28 16 0.22
Raja leopardus	0.48 16 0.08
Total	573.72 99.98

		PROJECT STAT	TION: 582
DATE:10/11/94	GEAR TYPE: BT No:	POSITION:Lat	S 2223
start stop d	uration	Long	E 1248
TIME :19:31:00 20:01:00	30 (min) Purpose	code: 3	
LOG :2584.60 2586.10	1.50 Area cod	e : 2	
FDEPTH: 445 443	GearCond	.code:	
BDEPTH: 445 443	Validity	code:	
Towing dir: 340*	Wire out:1250 m Spee	ed: 30 kn*10	
Sorted: 148 Kg Tot	al catch: 1042.36	CATCH/HOUR:	2084.72

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Epigonus telescopus	777.00		37.27	
Deania calcea	519.00	300	24.90	
Helicolenus dactylopterus	361.00		17.32	
Deania profundorum	161.00	20	7.72	
Merluccius paradoxus, female	96.50	340	4.63	1919
Galeus polli	52.40	1040	2.51	
Centroscymnus crepidater	21.00	20	1.01	
Nezumia sp.	21.00	480	1.01	
Aristeus varidens	17.60	220	0.84	
Todarodes sagittatus	16.20	60	0.78	
Coelorinchus fasciatus	12.00	260	0.58	
Epigonus denticulatus	9.00	220	0.43	
Merluccius capensis, female	8.80	4	0.42	1917
Centrophorus sp.	8.40	20	0.40	
Trachyrincus scabrus	6.80	100	0.33	
Lophius vomerinus	6.44	4	0.31	1916
Hoplostethus cadenati	5.40	160	0.26	
Etmopterus lucifer	3.80	20	0.18	
Merluccius paradoxus, male	2.18	10	0.10	1918
Notacanthus sexspinis	1.80	40	0.09	
Ebinania costaecanarie	1.40	20	0.07	
Total	2108.72		101.16	

			ECT STATION	
	PE: BT No:	POSITI	ON:Lat S	2223
start stop duration			Long E	1251
TIME :06:36:00 07:06:00 30 (min LOG :2608.20 2609.90 1.70	<ul> <li>Purpose control</li> <li>Area code</li> </ul>			
	GearCond.			
FDEPTH: 360 363 BDEPTH: 360 363	Validity			
	1000 m Speed		-10	
Towing dif: 10 wire out:	Toon w sheer	1. 34 Kii	~10	
Sorted: 198 Kg Total catch:	376.59	CATCH/	HOUR: 7	53.18
SPECIES	CATCH/HO		OF TOT. C	SAMP
		mbers		
Merluccius capensis, female	256.20	214	34.02	1923
Merluccius paradoxus, female	86.56	560	11.49	1926
Nezumia sp.	76.00	3624	10.09	
Helicolenus dactylopterus	58.56	1334	7.78	
Lophius vomerinus	53.80	50	7.14	1920
Coelorinchus coelorhinc. polli	39.68	922	5.27	
Coelorinchus fasciatus	38.55	1174	5.12	
Chlorophthalmus atlanticus	35.20	1560	4.67	
Merluccius capensis, male	30.20	24	4.01	1922
Galeus polli	22.40	610	2.97	
Todarodes sagittatus	15.36	16	2.04	
Selachophidium guentheri	14.08	576	1.87	•
Shrimps, small, non comm.	6.72	2352	0.89	
Merluccius paradoxus, male	4.32	32	0.57	1925
Bathynectes piperitus	3.84	144	0.51	
Genypterus capensis	3.16	6	0.42	1924
Trachurus capensis	2.56	16	0.34	
Lophius vaillanti	2.30	2	0.31	1921
Ebinania costaecanarie	1.92	48 16	0.25	
Malacocephalus laevis		16		
Epigonus denticulatus	0.48	10	0.06	
Total	753.18		99.99	

	F	ROJECT STATION	: 584
DATE: 10/11/94 GEAR TY	PE: BT No: POS	ITION:Lat S	2219
start stop duration		Long E	1259
TIME :08:44:00 08:54:00 10 (min	) Purpose code:		
LOG :2618.90 2619.40 0.50	Area code :		
FDEPTH: 280 279	GearCond.code:		
BDEPTH: 280 279	Validity code:		
Towing dir: 5° Wire out:			
Towing dir: 5' wire dit:	aso m speed: 3	kn•10	
	710 81 00	00 /00 /00 /00 /00 /00 /00 /00 /00 /00	4.86
Sorted: 138 Kg Total catch:	710.81 CAT	CH/HOUR: 426	4.00
SPECIES	CATCH/HOUR	1 OF TOT. C	SAMP
SFECIES	weight numbers		
Trachurus capensis	3366.00 25872		1929
	423.00 1122		1927
Merluccius capensis, male			
Merluccius capensis, female	247.50 690		1928
Synagrops microlepis	116.16 21210	2.72	
Chlorophthalmus atlanticus	34.32 4488	0.80	
Coelorinchus fasciatus	29.04 2508	0.68	

	weight	numbers		
Trachurus capensis	3366.00	25872	78.92	1929
Merluccius capensis, male	423.00	1122	9.92	1923
Merluccius capensis, female	247.50	690	5.80	1928
Synagrops microlepis	116.16	21210	2.72	
Chlorophthalmus atlanticus	34.32	4488	0.80	
Coelorinchus fasciatus	29.04	2508	0.68	
Galeus polli	19.80	1452	0.46	
Lophius vomerinus	10.56	132	0.25	
PORTUNIDAE	7.92	528	0.19	
OPHICHTHIDAE	6.60	132	0.15	
Bathynectes piperitus	3.96	132	0.09	
Total	4264.86		99.98	

BDEPTH: 245 241 Validi	idity code:
Towing dir: 80° Wire out: 720 m Sp	a Speed: 3 kn*10
	•

	weight	numbers		
Trachurus capensis	6876.00	88800	94.75	1934
Merluccius capensis, male	117.00	596	1.61	1932
Merluccius capensis, female	114.80	436	1.58	1933
Sufflogobius bibarbatus	67.20	16800	0.93	
Pterothrissus belloci	64.80	1440	0.89	
Lophius vomerinus	15.00	32	0.21	1930
Austroglossus microlepis	2.08	12	0.03	1931
Total	7256.88		100.00	

	P	ROJECT STATION	
DATE: 10/11/94 GEAR T	PE: BT No: POS	ITION:Lat S	2217
start stop duration		Long E	1318
TIME :12:15:00 12:35:00 20 (min	<ol> <li>Purpose code:</li> </ol>	2	
LOG :2637.50 2638.50 1.00	Area code :	2	
FDEPTH: 219 215	GearCond.code:		
BDEFTH: 219 215	Validity code:		
Towing dir: 83* Wire out:	700 m Speed: 3	kn*10	
Sorted: 76 Kg Total catch:	641.80 CAT	CH/HOUR: 193	25.40
SPECIES	CATCH/HOUR	t OF TOT. C	SAMP
	weight numbers		
Trachurus capensis	1097.79 9051		1936
Merluccius capensis, female	442.41 3135		
Merluccius capensis, male	332.76 3135		
Merluccius capensis, juveniles	23.19 1554	1.20	1939
Sufflogobius bibarbatus	21.93 6048	1.14	
Pterothrissus belloci	2.79 24	0.14	
Lophius vomerinus	2.76 9	0.14	1937
Todaropsis eblanae	1.26 24	0.07	
Trachurus capensis, juvenile	0.51 255	0.03	1935
Total	1925.40	100.00	

DATE:1C/11/94 GEAR start stop duration TIME :14:35:00 15:17:00 42 (m LGG :2647.30 2649.50 2.20 FDEPTH: 171 166 BDEPTH: 171 166 Towing dir: 33 Wire cu Sorted: 39 Kg Total catc	in) Purpose code: 3 Area code : 2 GearCond.code: Validity code: t: 600 m Speed: 3 kn*10	start stop duratio TIME :11:10:001:40:00 30 ( LOG :2736.90 2738.60 1.70 FDEPTH: 334 334 BDEPTH: 334 334	min) Purpose code: 3 Area code: 2 GearCond.code: Validity code: ut:1000 m Speed: 32 kn*10
-		-	
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers
Merluccius capensis, female Merluccius capensis, juveniles	342.00 4180 43.53 1944 240.00 5880 30.55 1942	Merluccius capensis, female Helicolenus dactylopterus	479.80 410 55.50 1962 123.00 5380 14.23
Merluccius capensis, male Trachurus capensis	182.00 1720 23.17 1943 12.00 160 1.53 1941	Lophius vomerinus Coelorinchus fasciatus	64.40 48 7.45 1963 45.20 1520 5.23
Sufflogobius bibarbatus	9.60 2800 1.22	Merluccius capensis, male Galeus polli	42.70 48 4.94 1961 30.80 1040 3.56
Total	785.60 100.00	Austroglossus microlepis Chlorophthalmus punctatus	21.40 46 2.48 1964 19.20 680 2.22
		Schedophilus huttoni Nezumia sp.	11.70 6 1.35 11.60 800 1.34
	PROJECT STATION: 588	Todarodes sagittatus PENAEIDAE	10.40 60 1.20 1.20 400 0.14
DATE:10/11/94 GEAR start stop duration	TYPE: BT No: POSITION:Lat S 2205	OPHICHTHIDAE Solenocera africana	1.2C 20 0.14 1.00 220 0.12
TIME :16:37:00 17:07:00 30 (m LOG :2658.30 2659.90 1.60		Genypterus capensis ALEPOCEPHALIDAE	0.84 2 0.10 0.02 2
FDEPTH: 164 144 BDEPTH: 164 144	GearCond.code: Validity code:	Total	864.46 100.00
Towing dir: 20* Wire out		10001	000.00
Sorted: 31 Kg Total catc	h: 46.20 CATCH/HOUR: 92.40		
SPECIES	CATCH/HOUR & OF TOT. C SAMP		
Merluccius capensis, juveniles	weight numbers 32.80 1224 35.50 1945		
Sufflogobius bibarbatus Merluccius capensis, female	31.50 11520 34.09 14.30 182 15.48 1947		PROJECT STATION: 593
Merluccius capensis, male	13.80 200 14.94 1946		TYPE: BT No:1 POSITION:Lat S 2201
Total	92.40 100.01	start stop duratic TIME :13:08:00 13:42:00 34 ( LOG :2747.80 2749.80 2.00	
		FDEPTH: 428 428 BDEPTH: 428 428	GearCond.code:
	PROJECT STATION: 589		Validity code: out:1200 m Speed: 35 kn*10
DATE:10/11/94 GEAR start stop duration	TYPE: BT No:1 POSITION:Lat 5 2156	Sorted: 144 Kg Total cat	ch: 1106.83 CATCH/HOUR: 1953.23
TIME :18:25:00 18:55:00 30 (m LOG :2670.30 2671.90 1.60	in) Purpose code: 3 Area code : 2	SPECIES	CATCH/HOUR & OF TOT. C SAMP
FDEPTH: 159 158 BDEPTH: 159 158	GearCond.code: Validity code:	Trachyrincus scabrus	weight numbers
Towing dir: 320° Wire ou		Helicolenus dactylopterus	308.65 2504 15.80
Sorted: 55 Kg Total catc	h: 120.66 CATCH/HOUR: 241.32	Shrimps, small, non comm. Hoplostethus cadenati	218.96 306551 11.21 142.09 26642 7.27
6000700		Galeus polli Merluccius paradoxus, female	125.79 2213 6.44 85.59 399 4.38 1967
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	Merluccius capensis, female Nezumia sp.	59.65         42         3.05         1965           51.25         1281         2.62
Merluccius capensis, female Merluccius capensis, female	68.0C 1120 28.18 1951 63.0C 228 26.11 1949	Lophius vomerinus Chlorophthalmus atlanticus	42.97 16 2.20 1969 21.55 757 1.10
Merluccius capensis, male Trachurus capensis	48.80 816 20.22 1950 27.52 496 11.40 1953	Epigonus denticulatus Coelorinchus fasciatus	17.47 1572 0.89 16.89 524 0.86
Merluccius capensis, juveniles Merluccius capensis, male	16.72 776 6.93 1952 8.80 32 3.65 1948	Merluccius paradoxus, male STOMIIDAE	7.59 42 0.39 1968 7.57 58 0.39
Chelidonichthys capensis Sufflogobius bibarbatus	8.0C 24 3.32 0.48 88 0.20	Aristeus varidens MORIDAE	5.82 1689 0.30 4.66 58 0.24
Total	241.32 100.01	Lophius vaillanti Notacanthus sexspinis	4.59 2 0.23 1970 2.91 116 0.15
		Merluccius capensis, male	2.29 2 0.12 1966
		Total	1953.23 99.98
DATE:11/11/94 GEAR	PROJECT STATION: 590		
start stop duration TIME :06:35:00 06:55:00 20 (m	TYPE: BT No:8 POSITION:Lat S 2156 Long E 1313		
LOG :2712.90 2713.90 1.00 FDEPTH: 174 174	Area code : 2 GearCond.code:		
BDEPTH: 174 174 BDEPTH: 174 174 Towing dir: 350° Wire out	Validity code:		PROJECT STATION: 594
Sorted: 46 Kg Total cate	• · · · · · ·	DATE:11/11/94 GEAR start stop duratio	TYPE: BT No:1 POSITION:Lat 5 2159
		TIME :14:54:00 15:24:00 30 ( LOG :2755.10 2756.70 1.60	
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	FDEPTH: 525 525 BDEPTH: 525 525	GearCond.code:
Merluccius capensis, female Merluccius capensis, male	353.70 1302 59.04 1955		Validity code: ut:1400 m Speed: 32 kn*10
Trachurus capensis	94.80 1470 15.82 1957	Sorted: 173 Kg Total cat	ch: 665.40 CATCH/HOUR: 1330.80
Merluccius capensis, juveniles Chelidonichthys capensis Eterothyiczus belloci	6.60 417 1.10 1956 4.80 12 0.80 2.40 66 0.40	60701 P2	
Pterothrissus belloci Sufflogobius bibarbatus	2.40 56 0.40 2.10 480 0.35	SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
Todaropsis eblanae Austroglossus microlepis	0.60 24 0.10 0.27 3 0.05	Trachyrincus scabrus Merluccius paradoxus, female	467.20 2082 35.11 261.00 700 19.61 1972
Total	599.07 99.99	Nezumia sp. Hoplostethus cadenati	149.12 5838 11.21 144.32 16822 10.84
		Shrimps, small, non comm. Galeus polli	139.20 51702 10.46 45.12 960 3.39
		Todarod <del>e</del> s sagittatus Centrophorus sp.	34.56 32 2.60 20.00 2 1.50
	PROJECT STATION: 591	Bathyuroconger vicinus Helicolenus dactylopterus	14.40 32 1.08 10.88 96 0.82
start stop duration	TYPE: BT No:8 POSITION:Lat S 2159 Long E 1302	Lophius vomerinus Notacanthus sexspinis	10.00 6 0.75 1971 9.92 192 0.75
TIME :08:52:00 09:22:00 30 (m: LOG :2725.40 2726.80 1.40	in) Purpose code: 3 Area code : 2	Epigonus denticulatus Merluccius paradoxus, male	7.68 192 0.58 5.80 26 0.44 1973
FDEPTH: 275 285 BDEPTH: 275 285	GearCond.code: Validity code:	STOMIIDAE Ebinania costaecanarie	3.52 256 0.26 2.88 32 0.22
Towing dir: 260° Wire out		Selachophidium guentheri Aristeus varidens	2.88 96 0.22 0.96 128 0.07
Sorted: 314 Kg Total catch	h: 1771.30 CATCH/HOUR: 3542.60	Nephropsis atlantica Lithodes ferox	0.96 64 0.07 0.4C 2 0.03
SPECIES	CATCH/HOUR & OF TOT. C SAMP	Total	1330.80 100.01
Trachurus capensis	weight numbers 2985.CO 25472 84.26 1960		
Merluccius capensis, male Merluccius capensis, female	358.80 984 10.13 1958 147.80 260 4.17 1959		
Pterothrissus belloci Sufflogobius bibarbatus	31.00 950 0.88 17.00 3200 0.48		
Todaropsis eblanae Solenocera africana	2.00 100 0.06 1.00 300 0.03		
Total	3542.60 100.01		

		numbers	• OF 101. C	SALLE
rluccius capensis, female	479.80		55.50	1962
licolenus dactylopterus	123.00	5380	14.23	2000
phius vomerinus	64.40	48	7.45	1963
elorinchus fasciatus	45.20	1520	5.23	
rluccius capensis, male	42.70	48	4.94	1961
leus polli	30.80	1040	3.56	
stroglossus microlepis	21.40	46	2.48	1964
lorophthalmus punctatus	19.20	680	2.22	
hedophilus huttoni	11.70	6	1.35	
zumia sp.	11.60	800	1.34	
darodes sagittatus	10.40	60	1.20	
NAEIDAE	1.20	400	0.14	
HICHTHIDAE	1.20	20	0.14	
lenocera africana	1.00	220	0.12	
nypterus capensis	0.84	2	0.10	
EPOCEPHALIDAE	0.02	2		
tal	864.46		100.00	
DATE: 11/11/94 GEAR	R TYPE: BT No		DJECT STATIO	x: 593 2201
start stop duratio			Long E	
TIME :13:08:00 13:42:00 34 (	(min) Durnoe	e code:		1245
LOG :2747.80 2749.80 2.00		ode : 2		
FDEPTH: 428 428		nd.code:	-	
BDEPTH: 428 428		ty code:		
Towing dir: 350" Wire c			:n*10	
Sorted: 144 Kg Total cat	ch: 1106.8	3 CATC	H/HOUR: 19	53.23
ECIES			OF TOT. C	SAMP
		numbers		
achyrincus scabrus licolenus dactylopterus	826.94	5499	42.34	
	308.65	2504	15.80 11.21	
rimps, small, non comm. plostethus cadenati	218.96			
leus polli	142.09 125.79	26642 2213	7.27	
	85.59	399		1067
rluccius paradoxus, female rluccius capensis, female	59.65	42	4.38 3.05	1967
zumia sp.	59.85	1281	2.62	1965
phius vomerinus	42.97	1281	2.62	1969
lorophthalmus atlanticus	21.55	757	1.10	1909
igonus denticulatus	17.47	1572	0.89	
elorinchus fasciatus	16.89	524	0.89	
rluccius paradoxus, male	7.59	42	0.39	1968
OMIIDAE	7.59	42	0.39	1309
isteus varidens	5.82	1689	0.39	
RIDAÉ	4,66	58	0.30	
phius vaillanti	4.50	2	0.24	1970
tacanthus sexspinis	2.91	116		19/0
rluccius capensis, male	2.91	116	0.15	1966
raceras capensis, mate	2.29	2	0.12	1300

					PROJECT STA	TION: 594
DATE:	11/11/94		GEAR TYPE	: BT No:1	POSITION:Lat	S 2159
	start		ration		Long	E 1239
TIME	:14:54:00	15:24:00	30 (min)	Purpose co	ode: 3	
LOG	:2755.10	2756.70 1	60	Area code	: 2	
FDEPTI	н: 525	525		GearCond.	:ode:	
BDEPTI	н: 525	525		Validity o	:ode:	
	Towing d	ir: 350" Wi	re out:14	00 m Speed	l: 32 kn*10	
Sort	ted: 173 X	g Tota	catch:	665.40	CATCH/HOUR:	1330.80

SPECIES	CATCH/HOUR		I OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	467.20	2082	35.11	
Merluccius paradoxus, female	261.00	700	19.61	1972
Nezumia sp.	149.12	5838	11.21	
Hoplostethus cadenati	144.32	16822	10.84	
Shrimps, small, non comm.	139.20	51702	10.46	
Galeus polli	45.12	960	3.39	
Todarodes sagittatus	34.56	32	2.60	
Centrophorus sp.	20.00	2	1.50	
Bathyuroconger vicinus	14.40	32	1.08	
Helicolenus dactylopterus	10.88	96	0.82	
Lophius vomerinus	10.00	6	0.75	1971
Notacanthus sexspinis	9.92	192	0.75	
Epigonus denticulatus	7.68	192	0.58	
Merluccius paradoxus, male	5.80	26	0.44	1973
STOMIIDAE	3.52	256	0.26	
Ebinania costaecanarie	2.88	32	0.22	
Selachophidium guentheri	2.88	96		
Aristeus varidens	0.96	128		
Nephropsis atlantica	0.96	64	0.07	
Lithodes ferox	0.40	2	0.03	
Total	1330.80		100.01	

		PROJECT STATION: 595
DATE: 11/11/94	GEAR TYPE: BT No:1	POSITION:Lat S 2157
start stop	duration	Long E 1236
TIME :16:37:00 17:07:00	30 (min) Purpose co	de: 3
LCG :2762.00 2763.50	1.50 Area code	: 2
FDEPTH: 627 629	GearCond.c	ode:
BDEPTH: 627 629	Validity c	ode:
Towing dir: 350*	Wire out:1600 m Speed	: 30 ×n*10
Sorted: 119 Kg To	otal catch: 660.23	CATCH/HOUR: 1320.45

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Hoplostethus cadenati	590.00	27830	44.68	
Nezumia sp.	186.00	5714	14.09	
Merluccius paradoxus, female	145.40	148	11.01	1974
Trachyrincus scabrus	144.80	280	10.97	
Lamprogrammus exutus	52.80	320	4.00	
Deania calcea	48.00	40	3.64	
Lophius vomerinus	24.60	6	1.86	1975
Todarodes sagittatus	19.60	40	1.48	
Neocyttus rhomboidalis	15.20	40	1.15	
Selachophidium guentheri	14.80	240	1.12	
Yarrella blackfordi	13.60	920	1.03	
Bathyuroconger vicinus	12.80	160	0.97	
ALEPOCEPHALIDAE	10.00	200	0.76	
Moroteuthis robsoni	9.20	2	C.70	
Etmopterus lucifer	8.00	40	0.61	
Shrimps, small, con comm.	6.00	2480	C.45	
Notacanthus sexspinis	4.40	80	0.33	
Coelorinchus braueri	4.00	40	0.30	
Galeus polli	3.20	40	0.24	
Ebinania costaecanarie	2.80	40	0.21	
Heterocarpus grimaldii	2.60	138	0.20	
Thysanoteuthis rhombus	1.60	40		
Lithodes ferox	0.60	2		
Nephropsis atlantica	0.28	16		
Stereomastis sp.	0.18	6	0.01	
Total	1320.46		100.00	

	PROJECT STATION: 596
DATE: 11/11/94 GEAR 7	YPE: BT No:1 POSITION:Lat S 2150
start stop duration	Long E 1237
	n) Purpose code: 3
LOG :2771.30 2772.80 1.50	Area code : 2
FDEPTH: 575 573	GearCond.code:
BDEPTH: 575 573	
	Validity code: .:1550 m speed: 32 kn*10
Towing dir: 380 wire out	.:1550 m Speed: 32 ku*10
Sorted: 107 Kg Total catch	a: 338.16 CATCH/HOUR: 676.32
SPECIES	CATCH/HOUR & OF TOT. C SAMP
	weight numbers
Hoplostethus cadenati	254.00 20098 39.03
Trachyrincus scabrus	184.00 486 27.21
Merluccius paradoxus, female	131.40 384 19.43 1977
Nezumia sp.	35.60 1300 5.26
Centrophorus squamosus	28.20 2 4.17
Raja confundens	9.50 40 1.42
Yarrella blackfordi	9.20 800 1.36
Bathyuroconger vicinus	2.80 60 0.41
Shrimps, small, non comm.	2.50 1300 0.38
Galeus polli	2.50 40 0.38
Lophius vomerinus	2.30 2 0.34 1978
Selachophidium guentheri	1.60 60 0.24
Merluccius paradoxus, male	1.02 2 0.15 1976
Nephropsis atlantica	0.60 60 0.09
Stereomastis sp.	0.40 20 0.06
Aristeus varidens	0.20 40 0.03
Ebinania costaecanarie	0.20 20 0.03
Total	676.32 99.99

		PROJ	ECT STATIO	N: 597
DATE: 11/11/94 GEA	R TYPE: BT NO	:1 POSITI	ON:Lat S	2138
start stop durati	on		Long E	1237
	(min) Purpos	e code: 3	, -	
LOG :2795.60 2797.30 1.70	Area o			
FDEPTH: 473 474	GearCo	nd.code:		
BDEPTH: 473 474	Validi	ty code:		
Towing dir: 350" Wire			*10	
Sorted: 262 Kg Total ca	tch: 594.2	8 CATCH/	HOUR: 11	88.56
SPECIES	CATCH	HOUR &	OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	457.20	792	38.47	
Merluccius paradoxus, female	271.40	882	22.83	1981
Centrophorus squamosus	76.00	8	6.39	
Shrimps, small, non comm.	72.00		6.06	
Lophius vomerinus	72.00	48	6.06	1982
Helicolenus dactylopterus	61.92	612	5.21	
Merluccius capensis, female	49.40	30	4.16	1979
Hoplostethus cadenati	34.56	5400	2.91	
Nezumia sp.	27.72	1188	2.33	
Centrophorus granulosus	24.84	36	2.09	
Merluccius paradoxus, male	17.40	66	1.46	1980
Galeus polli	7.20	108	0.61	
Notacanthus sexspinis	6.12	8	0.51	
Aristeus varidens	4.68		0.39	
Yarrella blackfordi	2.88	468	0.24	
Bathynectes piperitus	2.16	72	0.18	
Ebinania costaecanarie	1.08	36	0.09	

99.99

Total

										ROJECT STAT		
DATE:	12/1	1/94			GE	AR TYPE	: BT	No:1	POS:	ITION:Lat	s	2135
		start	5	top	durat	ion				Long	Е	1242
TIME	:08	:44:0	0 09	:14:0	0 30	(min)	Purp	ose co	de:	3		
LOG	:28	04.50	28	06.10	1.60		Area	code	:	2		
FDEPTH	H:	358		360			Gear	Cond.c	ode:			
BDEPTH	H:	358	;	360			Vali	dity c	ode :			
	To	wing	dir:	345*	Wire	out:10	50 m	Speed	: 31	kn*10		
Sort	ted:	208	Kg	г	otal c	atch:	285	2.04	CAT	CH/HOUR:	- 56	4.08

SPECIES	CATCH	/HOUR	I OF TOT	. с	SAMP
	weight	numbers			
Merluccius capensis, female	297.20	242	52.	69	1984
Helicolenus dactylopterus	144.00	3146	25.	53	
Merluccius capensis, male	47.00	46	8.	33	1983
Lophius vomerinus	29.40	30	5.	21	1985
Galeus polli	10.40	160	1.	84	
Chlorophthalmus atlanticus	9.10	290	1.	61	
Lophius vaillanti	6.20	2	1.	10	1999
Coelorinchus fasciatus	6.10	220	1.	08	
Squalus megalops	5.70	10			
Todarodes sagittatus	3.50	20	0.	62	
Nezumia sp.	1.70	110	0.	30	
Merluccius paradoxus, female	1.12	б	Ο.	20	1986
Laemonema laureysi	0.80	10	ο.	14	
MYCTOPHIDAE	0.70	40	Ο.	12	
OPHIDIIDAE	0.70	10	Ο.	12	
Merluccius paradoxus, male	0.26	2	Ο.	05	1987
Shrimps, small, non comm.	0.20	100	٥.	04	
- Total	564.08		99.	99	

		PRO	JECT STATIO	N: 599
DATE:12/11/94 GEA	R TYPE: BT NO	:1 POSIT	ION:Lat S	2133
start stop durati	.on		Long E	1250
TIME :10:57:00 11:27:00 30	(min) Purpos	e code: 3		
LOG :2816.10 2817.80 1.70	Area c	od <del>e</del> :2		
FDEPTH: 305 306	GearCo	nd.code;		
BDEPTH: 305 306	Validí	ty code:		
Towing dir: 10° Wire	out: 900 m S	peed: 32 k	n*10	
Sorted: 113 Kg Total ca	itch: 157.6	3 сатсн	HOUR: 3	15.26
SPECIES	CATCH	/HOUR %	OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	103.72	148	32.90	1990
Merluccius capensis, male	77.58	140	24.61	1989
Trachurus capensis	38.60	220	12.24	1994
Pterothrissus belloci	31.50	250	9.99	
Galeus polli	25.30	630	8.03	
Lophius vomerinus	22.10	18	7.01	1991
Coelorinchus fasciatus	4.70	140	1.49	
Currence mismelania	4 00	££0	1 27	

SPECIES	CATCH	I/HOUR	t of for C	SAMP
	weight	numbers		
Merluccius capensis, female	103.72	148	32.90	1990
Merluccius capensis, male	77.58	140	24.61	1989
Trachurus capensis	38.60	220	12.24	1994
Pterothrissus belloci	31.50	250	9.99	
Galeus polli	25.30	630	8.03	
Lophius vomerinus	22.10	18	7.01	1991
Coelorinchus fasciatus	4.70	140	1.49	
Synagrops microlepis	4.00	660	1.27	
Chlorophthalmus punctatus	3.00	230	0.95	
Solenocera africana	2.70	740	0.86	
Austroglossus microlepis	1.62	4	0.51	1992
Merluccius capensis, juveniles	0.28	6	0.09	1993
Schedophilus pemarco	0.16	2	0.05	
Total	315.26		100.00	

	PROJECT STATIC	DN: 600
DATE: 12/11/94	GEAR TYPE: BT No:1 POSITION:Lat :	s 2131
start stop	duration Long	E 1256
TIME :12:57:00 13:36:	00 39 (min) Purpose code: 3	
LOG :2825.70 2827.9	0 2.20 Area code : 2	
FDEPTH: 281 28.	GearCond.code:	
BDEPTH: 281 28	Validity code:	
Towing dir: 350	Wire out: 850 m Speed: 33 kn*10	
Sorted: 143 Kg	Total catch: 459.63 CRTCH/HOUR:	707.12

SPECIES	CATCH	I/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Trachurus capensis	504.00	3618	71.28	1998
Merluccius capensis, female	140.38	371	19.85	1995
Merluccius capensis, male	56.62	258	8.01	1996
Sufflogobius bibarbatus	3.23	711	0.46	
Lophius vomerinus	2.68	2	0.38	1997
Merluccius capensis, juveniles	0.22	5	0.03	
Total	707.13		109.01	

		PRO	JECT STAT	ION: 601
DATE:12/11/94 GEAR TY	PE: BT No:1	POSI	FION:Lat	S 2130
start stop duration			Long	E 1303
TIME :15:10:00 15:30:00 20 (mir	) Purpose	code:	3 -	
LOG :2837.30 2838.40 1.10	Area cod			
FDEPTH: 219 220	GearCond			
BDEPTH: 219 220	Validity			
	700 m Spe		(n#10	
iowing dir. 505 white out.	, oo m opc	cu. 55 i		
Sorted: 145 Kg Total catch:	1169.23	CATCI	H/HOUR:	3507.69
SPECIES	CATCH/F	IOUR	OF TOT.	C SAMP
	weight r	umbers		
Trachurus capensis	2820.00	15840	BC.39	2003
Merluccius capensis, female	310.50	1464	8.85	2001
Dentex macrophthalmus	210.00	960	5.99	2004
Merluccius capensis, male	150.90	936	4.30	2000
Sufflogobius bibarbatus	13.20	2520	0.38	
Merluccius capensis, juveniles	3.09	105	0.09	2002

-----3507.69 100.00

Total

	TYPE: BT No:8		ECT STATIO ON:Lat S	2127
start stop duration TIME :17:06:00 17:36:00 30 (mi	in) Purpose	code: 3	Long E	1311
LOG :2847.80 2849.70 1.90 FDEPTH: 140 137	Area cod GearCond	le :2		
BDEPTH: 140 137	Validity	code:		
	:: 500 m Spe	ea: 36 Kn	-10	
Sorted: 223 Kg Total catch	n: 1408.19	CATCH/	HOUR: 28	16.38
SPECIES	CATCH/H	OUR %	OF TOT. C	SAMP
Trachurus capensis	weight r 1873.80	umbers 33112	66.53	2007
Merluccius capensis, male	387.40	4118	13.76	2008
Merluccius capensis, female Todaropsis eblanae	376.60 83.80	2242 2168	13.37 2.98	2009
Chelidonichthys capensis	35.60	122	1.26	
Lophius vomerinus Sufflogobius bibarbatus	25.00 14.60	34 2674	0.89	2005
Thyrsites atun	7.20	2	0.26	
Merluccius capensis, juveniles Pterothrissus belloci	5.60 5.20	378 68	0.20	2010
Austroglossus microlepis	1.58	10	0.06	2006
Total	2816.38		100.01	
		PROJ	ECT STATIO	N: 603
start stop duration	TYPE: BT No:8		ON:Lat S Long E	2116
TIME :18:55:00 19:18:00 23 (mi LOG :2858.50 2859.50 1.00				
FDEPTH: 120 120	GearCond	le ; 2 L.code:		
BDEPTH: 120 120 Towing dir: • Wire out	Validity :: 400 m Spe		*10	
Sorted: 147 Kg Total catch	-	CATCH/		15.43
SPECIES	CATCH/H weight r		OF TOT. C	SAMP
Trachurus cap <del>e</del> nsis	1912.70	35755	82.61	2014
Merluccius capensis, female Merluccius capensis, male	239.48 148.70	2061 2254	10.34 6.42	2011 2012
Merluccius capensis, juveniles	12.99	563	0.56	2012
Suffloçobius bibarbatus Helicolenus dactylopterus	1.25	65 16	0.05	
Total	2315.43		99.99	
	2313.43		33.99	
	TYPE: BT No:6			2115
start stop duration TIME :06:47:00 06:57:00 10 (mi	in) Purpose	code: 3	Long E	1313
LOG :2887.50 2889.00 0.50	Area cod	le : 2		
FDEPTH: 121 121				
		Lcode: 8 code: 9		
BDEPTH: 121 121		code: 9	*10	
BDEPTH: 121 121	Validity :: 400 m Spe	code: 9		
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catc?	Validity : 400 m Spe h: CATCH/H	code: 9 ed: 30 kn CATCH/		SAMP
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES	Validity : 400 m Spe h: CATCH/H	code: 9 ed: 30 kn CATCH/	HOUR:	SAMP
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES NO CATCH	Validity : 400 m Spe h: CATCH/H weight m	code: 9 ed: 30 kn CATCH/	HOUR:	SAMP
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES N O C A T C H	Validity : 400 m Spe h: CATCH/H weight m	code: 9 ed: 30 kn CATCH/	HOUR:	SAMP
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES NO CATCH	Validity : 400 m Spe h: CATCH/H weight m	code: 9 ed: 30 kn CATCH/	HOUR:	SAMP
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES NOCATCH Total • • • • • • • • • • • • • • • • • • •	Validity :: 400 m Spe 1: CATCH/H weight m 0.00 	code: 9 ed: 30 kn CATCH/ NUR 1 NUMBERS	HOUR:	N: 605
BDEPTH: 121 121 Towing dir: • Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total • • • • • • • • • • • • • • • • • • •	validity : 400 m Spe h: CATCH/H weight n 0.30 	PROJ POSITI	HOUR: OF TOT. C  ECT STATIO ON:Lat S	N: 605
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (m) LOG : 2902 80 200:00 15	Validity :: 400 m Spe 1: CATCH/H weight n 0.00 	PROJ PROJ POSITI Code: 3 le : 2	HOUR: OF TOT. C  ECT STATIO ON:Lat S	N: 605 2103
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start Stop duration TIME :08:45:00 09:00:00 15 (mi LOG::2902.80 2903.60 0.80	validity :: 400 m Spe h: CATCH/H weight n 0.00 	ed: 30 kn CATCH/ NOUR PROJ POSITI Code: 3 le : 2 L.code:	HOUR: OF TOT. C  ECT STATIO ON:Lat S	N: 605 2103
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES NO CATCH Total DATE:13/11/94 GEAR 1 Start Stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128	validity : 400 m Spe : CATCH/F weight m 0.00 	ed: 30 kn CATCH/ OUR & WUMDETS PROJ POSITI code: 3 le : 2 L.code: 4	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E	N: 605 2103
DDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES NO CATCH Notal DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128	validity : 400 m Spe : CATCH/H weight m 0.00	ed: 30 kn CATCH/ NUR & NUMBERS PROJ POSIFI Code: 3 le : 2 l.code: 3 le : 2 l.code: code: ed: 33 kn	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E	N: 605 2103 : 1304
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR 1 Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch	validity validity validity CATCH/H weight n 0.00 0.00 0.00 0.00 0.00 0.10 0.20	<pre>code: 9 ed: 30 kn CATCH/ NOUR PROJ POSITI code: 3 Lcode: ed: 33 kn CATCH/</pre>	HOUR: OF TOT. C  ECT STATIO ON:Lat S Long E *10 HOUR: 8	N: 605 2103 : 1304 45.36
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR 1 Start stop duration TIME :08:45:00 09:00:00 15 (mi) LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch	validity :: 400 m Spe :: CATCH/H weight n 0.00  CYPE: BT No: In) Purpose Area cod GearCond validity :: 400 m Spe 1: :: 211.34 CATCH/H	ed: 30 kn CATCH/ OUR 1 NUMBERS PROJ POSITI CODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 4 CODE: 1 CODE: 1 CODE: 1 CODE: 1 LCODE: 1	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C	N: 605 2103 1304 45.36 SAMP
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES NO CATCH Fotal DATE:13/11/94 CEAR 1 Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.30 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Stachurus capensis	validity :: 400 m Spe :: CATCH/F weight n 0.00  TYPE: BT No: In) Purpose Area cod GearCond validity :: 400 m Spe Area cod CatcH/H validity :: 400 m Spe :: 211.34	PROJ PROJ POSITI code: 3 le : 2 l.code: code: code: code: code: l.code: code: code: l.code: code: l.co	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19	N: 605 2103 1304 45.36 SAMP 2018
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES NO CATCH Fotal DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LGG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330° Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis Herluccius capensis, male derluccius capensis, female	validity :: 400 m Spe :: CATCH/F weight n 0.30  TYPE: BT No: IN) Purpose Area cod GearCond validity :: 400 m Spe a: 211.34 CATCH/F weight n 754.00 44.60 40.40	ecde: 9 ed: 30 kn CATCH/ NUR PROJ POSITI Code: 3 l.code: 2 l.code: 2 code: 3 ecde: 3 cATCH/ NUR CATCH/ NUR S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 S206 CATCH/ S206 S206 S206 CATCH/ S206 S206 S206 S206 CATCH/ S206 S206 S206 S206 S206 S206 S206 S206	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78	N: 605 2103 1304 45.36 SAMP
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H DATE:13/11/94 CEAR 1 Start stop duration TIME 108:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.30 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis male terluccius capensis female Sufflogobius bibarbatus	validity :: 400 m Spe :: CATCH/H weight n 0.00 	PROJ POCHER CATCH/ NUR PROJ POSITI CODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 3 le : 2 LCODE: 4 CATCH/ NUR SUB CATCH/ NUR SUB CATCH/ PROJ POSITI CODE: 4 SUB CATCH/ POSITI CODE: 4 SUB CATCH/ CATCH/ CATCH/ POSITI CODE: 4 SUB CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ SUB CATCH/ CATCH/ SUB S	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.57	N: 505 2103 1304 45.36 SAMP 2018 2015
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (m ILOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330° Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis Merluccius capensis, male Merluccius capensis, male Merluccius capensis, female Sufflogobius bibarbatus chelidonichtys capensis	validity :: 400 m Spe :: CATCH/F weight n 0.30  TYPE: BT No: IN) Purpose Area cod GearCond validity :: 400 m Spe a: 211.34 CATCH/F weight n 754.00 44.60 40.40	ecde: 9 ed: 30 kn CATCH/ NUR PROJ POSITI Code: 3 l.code: 2 l.code: 2 code: 3 ecde: 3 cATCH/ NUR CATCH/ NUR S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 CATCH/ S206 S206 S206 CATCH/ S206 S206 S206 CATCH/ S206 S206 S206 S206 CATCH/ S206 S206 S206 S206 S206 S206 S206 S206	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78	N: 505 2103 1304 45.36 SAMP 2018 2015
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR 1 Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis terluccius capensis, female sufflogobius bibarbatus Chelidonichtys capensis terluccius capensis, juveniles	validity validity validity cATCH/H weight n 0.30  CYPE: BT No:       	PROJ PROJ POSITI code: 3 l.code: 3 l.code: 3 l.code: 4 code: 3 code: 3 code: 3 code: 4 code: 5 code: 4 code: 4	HOUR: OF TOT. C ECT STATIO DN:Lat S Long E *10 HOUR: 8 0F TOT. C 89.19 5.28 4.78 0.57 0.11	N: 605 2103 1304 45.36 SAMP 2018 2015 2016
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BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 GEAR 1 Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.30 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Total DATE:13/11/94 GEAR 1 start stop duration TIME :05:100 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FDEPTH: 270 276 Towing dir: 300* Wire out Sorted: 38 Kg Total catch	Validity :: 400 m Spe :: CATCH/F weight n 0.00  CYPE: BT No: In) Purpose Area cod GearCond Validity :: 400 m Spe 211.34 CATCH/F weight n 755.00 44.60 0.92 0.64  845.36  CATCH/F Weight n 754.00 44.60 0.92 0.64  State cod Catch/F State cod CATCH/F Weight n 754.00 44.60 0.92 0.64  State cod Catch/F State cod Catch cod Catch/F State cod Catch cod C	PROJ POSITI CODE: 3 locade: 3 locade: 3 locade: 2 locade: 2 locade: 3 locade: 3 locade: 3 locade: 3 locade: 3 locade: 4 data 3 cATCH/ PROJ POSITI Code: 3 e : 2 code: 3 e : 2 code: 3 e : 2 code: 3 e : 2 code: 3 code: 3 e : 2 code: 3 e : 2 code: 3 code: 3 e : 2 code: 3 code: 4 code: 4	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 0.57 0.11 0.08 100.01 ECT STATIO ON:Lat S Long E *10	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.30 FDEPTH: 130 128 BDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis, male Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Total DATE:13/11/94 CEAR T Start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1:00 FDEPTH: 270 276 BDEPTH: 270 276 BDEPTH: 270 276 Towing dir: 300* Wire out Sorted: 38 Kg Total catch SPECIES	validity validity cATCH/H weight n 0.30 TYPE: BT No: n) Purpose Area cod GearCond validity 211.34 CATCH/H weight n 754.00 44.60 40.40 4.80 0.92 0.64 845.36 TYPE: BT No: n) Furpose Area cod GearCond validity : 800 m Spe Area cod CATCH/H weight n 95.64 CATCH/H weight n 180.00	PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 POSITI CODE: 2 CODE: 2 CODE: 2 CODE: 2 CODE: 2 CODE: 3 CATCH/ DUR 1 PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 PROJ CATCH/ CATCH/ CATCH/ POSITI CODE: 3 PROJ POSITI CODE: 3 PROJ POSITI CODE: 4 PROJ POSITI CODE: 4 PROJ POSITI P	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 0.57 0.11 0.08 100.01 ECT STATIO ON:Lat S Long E *10 +10 HOUR: 2 *10 HOUR: 2 *10 HOUR: 2 *10 *10 *10 *10 *10 *10 *10 *10	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP 2021
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.90 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis, female Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Total DATE:13/11/94 CEAR T Start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH: 270 276 BDEPTH: 270 276 Sorted: 38 Kg Total catch SPECIES Trachurus capensis	validity validity cATCH/F weight n 0.00 TYPE: BT No: in) Purpose Area cod GearCond validity cATCE/F weight n 755.00 44.60 0.92 0.64 755.36 CATCE/F Reference Area cod GearCond validity cATCE/F state area cod GearCond validity 0.54 0.92 0.54 CATCH/F	PROJ POCAL: S PROJ POSITI CODE: 3 le : 2 LCODE: 2 CODE: 3 le : 2 CODE: 3 le : 2 CODE: 3 le : 2 CODE: 3 le : 2 CODE: 4 S S S S S S S S S S S S S S S S S S S	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.77 0.11 0.08 100.01 ECT STATIO DN:Lat S Long E *10 *10 *10 ECT STATIO 0.08 100.01 ECT STATIO 0.09 ECT STATIO 0.09 ECT STATIO 0.09 ECT STATIO ECT STATIO E	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.30 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch SPECIES ITachurus capensis, female Sufflogohius bibarbatus Total DATE:13/11/94 CEAR T start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH: 270 276 Towing dir: 300* Wire out Sorted: 38 Kg Total catch SPECIES	Validity :: 400 m Spe :: CATCH/F weight n 0.00  TYPE: BT No: :n) Purpose Area cod GearCond validity :: 211.34 CATCH/F weight n 755.00 44.60 0.92 0.64  R45.36  YPE: BT No:       	PROJ PSCJ PSCJ PSCJ PSCJ PSCJ PSCJ PSCJ PSC	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 0F TOT. C 89.19 5.28 4.78 0.57 0.11 0.08 100.01 ECT STATIO ON:Lat S Long E *10 HOUR: 2 OF TOT. C 62.74 14.12 9.51 8.78	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 2017 N: 606 2104 1253 86.92 SAMP 2021 2020
BDEPTH: 121 121 Towing dir: Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BODEPTH: 130 128 Towing dir: 330° Wire out Sorted: 40 Kg Total catch SPECIES Irachurus capensis, male Merluccius capensis, female Sufflogohius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Iotal DATE:13/11/94 CEAR T Start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FOEPTH: 270 276 BOEPTH: 270 276 Towing dir: 300° Wire out Sorted: 38 Kg Total catch SPECIES Frachurus capensis Merluccius capensis, female Merluccius capensis Merluccius capensis Mercibrisus belloci Merluccius capensis Mercibrisus belloci	Validity: Validity: CATCH/F weight n 0.30  TYPE: BT No: In) Purpose Area cod GearCond Validity: 211.34 CATCH/F weight n 754.00 44.60 44.60 44.60 0.92 0.64  RYPE: BT No:  n) Furpose Area cod GearCond Validity: 845.36  State of the second State of the second Validity: 800 m Spe Area cod GearCond Validity: 800 m Spe Area cod CATCH/H weight n 55.64 CATCH/H weight n 180.00 100	PROJ PSOJ PROJ PSOJ POSITI CODE: 3 PROJ POSITI CODE: 3 PCOJE: 2 CODE: 2 CODE: 2 CODE: 3 PCOJE: 3	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.57 0.11 0.08 100.01 ECT STATIO ON:Lat S Long E *10 HOUR: 2 *10 HOUR: 2 5.51	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 2017 N: 606 2104 1253 86.92 SAMP 2021 2020
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 CEAR T start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch Sorted: 40 Kg Total catch SPECIES Trachurus capensis, female Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Total DATE:13/11/94 CEAR T start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH: 270 276 BDEPTH: 270 276 Sorted: 38 Kg Total catch SPECIES Trachurus capensis, female Merluccius capensis, female Merluccius capensis, female SPECIES	validity: 400 m Spe .: CATCH/H weight n 0.00  (YPE: BT No:       	ecde: 9 ed: 30 kn CATCH/ NUR CATCH/ NUR CATCH/ PROJ POSITI code: 3 l.code: ed: 33 kn CATCH/ NUR CATCH/ NUR CATCH/ PROJ POSITI code: 3 e: 22 l.code: ed: 30 kn cATCH/ OUR CATCH/ CATCH/ OUR CATCH/ OUR CATCH/ CATCH/ OUR CATCH/ CAT	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E 10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.57 0.11 0.08 100.01 ECT STATIO N:Lat S Long E 100 HOUR: 2 OF TOT. C 62.74 14.12 9.51 8.78 2.04 1.25 0.73	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP 2021 2020 2019
BDEPTH: 121 121 Towing dir: Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 GEAR T start stop duration TIME :08:45:00 09:00:00 15 (mi LGG :2902.80 2903.60 0.90 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330° Wire out Sorted: 40 Kg Total catch SPECIES Trachurus capensis, male Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, female Sufflogobius bibarbatus TIME :10:51:00 11:11:00 20 (mi LGG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH:	Validity : 400 m Spe : 400 m Spe : CATCH/H weight n 0.00  (YPE: BT No: : : 211.34 CATCH/H weight n 754.00 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.40 40.52 0.54 WEIGHT NO: : : : : : : : : : :	PROJ POSTI CODE: 3 POSTI CODE: 3 POSTI CODE: 3 POSTI CODE: 3 POSTI CODE: 2 CODE: 2 CODE: 3 POSTI CODE: 3 PROJ POSTI CODE: 3 PROJ 2007 CATCH/ CA	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.919 5.28 4.78 0.08 100.01 ECT STATIO ON:Lat S Long E *10 HOUR: 2 OF TOT. C 62.74 14.12 9.51 8.78 2.04 1.25 0.73 0.67 0.10	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP 2021 2020
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 GEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LGG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch Sorted: 40 Kg Total catch SPECIES Trachurus capensis, male Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis Merluccius capensis Total DATE:13/11/94 GEAR T start stop duration TIME :05:1:00 11:11:00 20 (mi LGG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH: 270 276 BDEPTH: 270 276 BDEPTH: 270 276 Towing dir: 300* Wire out Sorted: 39 Kg Total catch SPECIES Frachurus capensis, female Merluccius capensis, female Softed: 39 Kg Total catch SPECIES	Validity :: 400 m Spe :: 400 m Spe :: CATCH/H weight n 0.00  TYPE: BT No: :n) Purpose Area cod GearCond Validity :: 400 m Spe 1: 211.34 CATCH/H weight n 754.00 44.60 0.92 0.64  845.36  XYPE: BT No:   Purpose Area cod GearCond Validity : 800 m Spe Area cod GearCond Validity : 800 m Spe Area cod CATCH/H weight n 10.00      	PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 POSITI CODE: 3 POSITI CODE: 2 CODE: 2 CODE: 2 CODE: 3 POSITI CODE: 3 CATCH/ DUR 4 PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 POSITI CODE: 4 POSITI CODE: 3 POSITI CODE: 3 POSITI CODE: 4 POSITI CODE: 3 POSITI CODE: 4 POSITI CODE: 4 POSITI CO	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 0F TOT. C 89.19 5.28 4.78 0.57 0.11 0.08 100.01 ECT STATIO ON:Lat S Long E *10 HOUR: 2 *10 FTOT. C 62.74 14.12 9.51 8.78 2.04 1.25 0.73 0.67	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP 2020 2019
BDEPTH: 121 121 Towing dir: * Wire out Sorted: Kg Total catch SPECIES N O C A T C H Total DATE:13/11/94 GEAR T Start stop duration TIME :08:45:00 09:00:00 15 (mi LOG :2902.80 2903.60 0.80 FDEPTH: 130 128 BDEPTH: 130 128 Towing dir: 330* Wire out Sorted: 40 Kg Total catch Sorted: 40 Kg Total catch SPECIES Trachurus capensis, male Merluccius capensis, female Sufflogobius bibarbatus Chelidonichthys capensis Merluccius capensis, juveniles Total DATE:13/11/94 GEAR T start stop duration TIME :10:51:00 11:11:00 20 (mi LOG :2913.80 2914.80 1.00 FDEPTH: 270 276 BDEPTH: 270 276 Towing dir: 300* Wire out	Validity Validity CATCH/H weight n 0.30 TYPE: BT No: n) Purpose Area cod GearCond Validity 211.34 CATCH/H weight n 754.00 44.60 40.40 4.80 0.92 0.64 845.36 TYPE: BT No: n) Purpose Area cod GearCond Validity 1: 800 m Spe Area cod GearCond Validity 1: 800 m Spe Area cod GearCond Validity 1: 800 m Spe Area cod GearCond Validity 1: 95.64 CATCH/H weight n 1: 95.64 CATCH/H weight n 1: 95.64 CATCH/H	PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 POSITI CODE: 3 POSITI CODE: 3 PROJ POSITI CODE: 3 PROJ POSITI CODE: 4 40 PROJ POSITI CODE: 3 PROJ POSITI CODE: 3 PROJ POSITI PO	HOUR: OF TOT. C ECT STATIO ON:Lat S Long E *10 HOUR: 8 OF TOT. C 89.19 5.28 4.78 0.08 100.01 ECT STATIO ON:Lat S Long E *10 HOUR: 2 *10 HOUR: 2 OF TOT. C 62.74 14.12 9.51 8.78 2.04 1.25 0.73 0.67 0.10	N: 605 2103 1304 45.36 SAMP 2018 2015 2016 2017 N: 606 2104 1253 86.92 SAMP 2020 2019

286.92

Total

			ROJECT STAT	
	PE: BT No	: POSI	TION:Lat	S 210
start stop duration			Long	E 124
	) Purpos		3	
LOG :2923.30 2929.90 1.60	Area c		2	
FDEPTH: 324 326		nd.code:		
BDEPTH: 324 326	Validi	ty code:		
Towing dir: 345° Wire out:	950 m S	peed: 32	kn*10	
Sorted: 190 Kg Total catch:	296.2	7 CATO	CH/HOUR:	592.54
SPECIES	CATCH	/HOUR	S OF TOT.	C SAM
	weight	numbers		
Merluccius capensis, female	234.42	156	39.56	202
Chlorophthalmus punctatus	160.50	8430	27.09	
Merluccius capensis, male	48.48	32	8.18	202
Galeus polli	43.80	1130	7.39	
Coelorinchus fasciatus	38.60	1960	6.51	
Lophius vomerinus	31.80	34	5.37	202
Trachurus capensis	11.30	60	1.91	202
Synagrops microlepis	8.80	1000	1.49	
Hexanchus griseus	6.26	2	1.06	
Austroglossus microlepis	2.16	4	0.36	202
Todarodes sagittatus	2.10	20	0.35	
Neoharriotta pinnata	1.80	2	0.30	
Nezumia sp.	1.20	120	0.20	
Chelidonichthys queketti	0.62	2	0.10	
Solenocera africana	0.40	110	0.07	
Todaropsis <del>e</del> blanae	0.30	10	0.05	
Total	592.54		99,99	

592.54

99.99

99.99

		PROJ	ECT STATIO	N: 608
DATE:13/11/94 GEA	R TYPE: BT No:	POSITI	ON:Lat S	2109
start stop durati			Long E	1239
TIME :14:56:00 15:26:0C 30	(min) Purpose	code: 3		
LOG :2935.50 2937.10 1.60	Area co	de : 2		
FDEPTH: 366 369	GearCor	d.code:		
BDEPTH: 366 369	Validit	y code:		
Towing dir: 350" Wire	out:1000 m Sp	eed: 32 km	*10	
Sorted: 173 Kg Total ca	tch: 205.92	CATCH/	HOUR: 4	11.84
SPECIES	CATCH	HOUR &	OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	258.30	172	62.72	2029
Lophius vomerinus	50.20		12.19	2031
Helicolenus dactylopterus	36.18		8.78	
Merluccius capensis, male	24.00		5.83	2028
Coelorinchus fasciatus	8.82		2.14	
Nezumia sp.	8.46		2.05	
Galeus polli	7.92		1.92	
Schedophilus huttoni	4.82		1.17	
Hoplostethus cadenati	3.78		0.92	
Chlorophthalmus atlanticus	3.24		0.79	
CRABS	2.88	54	0.70	
MYCTOPHIDAE	1.80		0.44	
Merluccius paradoxus, female	0.72		0.17	2030
Shrimps, small, non comm.	0.54	396	0.13	
Aristeus varidens	0.18	54	0.04	

Total

Total

DATE:	124										-								·
DATE:	12/	11/	94					GEA.	R TY	PE:	B.T	NO :		05.	C.1.76	2N:1	Lat	Ş	2:
		st	art		sto	P	dur	ati	on							3	Long	E	1:
TIME	:1	7:1	3:0	0 1	7:4	3:00	3	0	(min)	) P	urp	ose	code		3		•		
LOG	: 2	949	.40	2	951	.00	1.	60		A	rea	cod	e	:	2				
FDEPT	н:		498			496				G	ear	Cond	. cod	le :					
BDEPT	H:		498			496				v	ali	dity	cod	le :					
	т	owi	nq	dir	: 3	50°	Wi:	re d	out:J	1400	m	Spee	d:	32	kn	×10			

SPECIES	CATCH	/HOUR	& OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	400.80	2100	36.59	
Merluccius paradoxus, female	355.60	814	32.46	2033
Lophius vomerinus	80.80	52	7.38	2034
Nezumia sp.	73.20	1336	6.68	
Hoplostethus cadenati	67.68	3506	6.18	
Centrophorus squamosus	40.00	4	3.65	
Helicolenus dactylopterus	28.32	168	2.59	
Lophius vaillanti	10.60	2	0.97	2035
Merluccius paradoxus, male	9.88	32	0.90	2032
Lithodes ferox	5.32	8	0.49	
Galeus polli	4.80	48	0.44	
Etmopterus pusillus	4.56	24	0.42	
Yarrella blackfordi	3.60	480	0.33	
Selachophidium guentheri	3.12	120	0.28	
Raja confundens	2.40	72	0.22	
Chaceon maritae	2.10	2	0.19	
Bathyuroconger vicinus	0.96	24	0.09	
Notacanthus sexspinis	0.72	24	0.07	
Aristeus varidens	0.48	72	0.04	
ALEPOCEPHALIDAE	0.24	24	0.02	
Ebinania costaecanarie	0.24	24	0.02	
Total	1095.42		100.01	

DATE: 13/11/94 GEAR TY	PE: BT No:		JECT STATIO ION:Lat S	2106	DATE
start stop duration TIME :19:04:00 19:34:00 30 {min			Long E		TIM
LOG :2958.00 2959.60 1.50	Area coo	de :2			LOG
FDEPTH: 590 588 BDEPTH: 590 588	GearCond Validity				FDEI BDEI
Towing dir: 330* Wire out:			*10		
Sorted: 163 Kg Total catch:	456.34	CATCH/	HOUR: 9	12.68	Sc
SPECIES	CATCH/I	HOUR 1	OF TOT. C	SAMP	
Marshumineus, senhaus		numbers 1148	38.96		<ul> <li>SPECIES</li> </ul>
Trachyrincus scabrus Nezumía sp.	355.60 147.00	5152	16.11		Merlucci
Merluccius paradoxus, female Centrophorus squamosus	145.80 120.00	192 8	15.97 13.15	2036	Merlucc: Chloropi
Lamprogrammus exutus	57.40	668	6.29		Synagro
Yarrella blackfordi Lophius vomerinus	31.64 15.20	1616 6	3.47 1.67	2037	Pteroth Ccelorii
Hoplostethus cadenati Bathyuroconger vicinus	8.12 5.72	168 84	0.89		Austrog Lophius
Galeus polli	5.16	84	0.67		OPHICHT
Tetragonurus cuvieri OPISTHOTEUTHIDAE	6.16 5.32	28 28	0.67		Galeus j Trigla
ALEPOCEPHALIDAE	5.04	56 28	0.55		Helicol Coeloria
Notacanthus sexspinis Phrynichthys wedli	0.56	28	0.06		MYCTOPH:
Shrimps, small, non comm. Nephropsis atlantica	0.28 0.28	84 28	0.03		Shrimps Solenoc
· · ·					
Total	912.68		99.99		Total
		PRO	JECT STATIC	N: 611	
	PE: BT No:		ION:Lat S	2056	
start stop duration TIME :21:01:30 21:31:00 30 (min	) Purpose	code: 3	Long H	: 1221	DAT
LOG :2968.30 2969.90 1.60 FDEPTH: 545 532	Area co GearCon	de : 3			TIM
BDEPTH: 545 532	Validit	y code:			FDE
Towing dir: 340" Wire out:					BDE
Sorted: 143 Kg Total catch:	424.10	CATCH,	HOUR: 8	48.20	s
SPECIES	CATCH/		OF TOT. C	SAMP	3
Trachyrincus scabrus	weight 393.00	numbers 1520	46.33		SPECIES
Merluccius paradoxus, female Lophius vomerinus	159.60 55.40	210 26	18.82 6.53	2039 2040	Trachur
Nezumia sp.	42.90	2040	5.06	2040	Merluce
Yarrella blackfordi Lamprogrammus exutus	42.60 33.90	2100 540	5.02 4.00		Merlucc Sufflog
Hoplostethus cadenati Deania quadrispinosum	28.20 28.00	600 4	3.32 3.30		Taracte Lophius
Helicolenus dactylopterus	17.70	90	2.09		PORTUNI
ALEPOCEPHALIDAE Raja sp.	14.40 12.90	480 240	1.70 1.52		Total
Bathyuroconger vicinus Selachophidium guentheri	6.30 6.30	90 150	0.74 0.74		•
Galeus polli	2.40	30	0.28		
Chaceon maritae Merluccius paradoxus, male	2.06	2	0.24	2038	DAT
Notacanthus sexspinis	0.90	30 30	0.11		TIM
Dicrolene intronígra —		50			LOG
					FDE
Total	848.20		99.99		BDE
Total	848.20	PPO		NN- 612	
DATE: 14/11/94 GEAR TY	848.20 PE: BT No:		JECT STATIO	2047	
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min	PE: BT NO:	6 POSIT	JECT STATIC ION:Lat S Long 1	2047	BDE
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min LOG :2988.30 2990.00 1.70	PE: BT No: ) Purpose Area co	6 POSIT: code: 3 de : 3	JECT STATIC ION:Lat S Long D	2047	BDE
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 {min LOG :2988.30 2990.00 1.70 FDEPTH: 442 432 BDEPTH: 442 432	PE: BT No: ) Purpose Area co GearCon Validit	6 POSIT: code: 3 de : 3 d.code: y code:	JECT STATIO ION:Lat S Long I	2047	BDE S SPECIES Trachur
DATE:14/11/94 GEAR TY Start stop duration TIME :06:40:00 07:10:00 30 (min LOG :2988.30 2990.00 1.70 FDEPTH: 442 432	PE: BT No: ) Purpose Area co GearCon Validit	6 POSIT: code: 3 de : 3 d.code: y code:	JECT STATIO ION:Lat S Long I	2047	BDE S SPECIES
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DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min LOG :2988.30 2990.00 1.70 FDEPTH: 442 432 DEDEPTH: 442 432 Towing dir: 335* Wire out: Sorted: 93 Kg Total catch: SPECIES Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Galeus polli Merluccius capensis, female Lophius vomerinus Galeus polli Merluccius capensis, female Aristeus varidens Yarrella blackfordi Epigonus denticulatus Merluccius capensis, male Nezumia sp. Lophius vaillanti Notacanthus sexspinis Total DATE:14/11/94 GEAR TY start stop duration TIME :08:50:00 09:20:00 30 (min LOG :3000.20 3001.90 1.70 FDEPTH: 325 325 Towing dir: 20* Wire out: Sorted: 397 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Galeus polli Lophius vomerinus Chorophtalmus atlanticus Schedophilus huttoni Coelorinchus fasciatus Hezunia sp. Todarodes sagittatus Squalus megalops	(PE: BT No: Area co GearCon Validit 1250 m Sp 458.56 CATCH/ weight 360.00 160.20 100.20 78.90 43.10 42.60 40.80 39.30 15.00 7.50 7.22 3.60 2.80 0.90 917.12 (PE: BT No: Purpose Area co GearCon Validit 1000 m Sp CATCH/ weight 589.00 109.20 89.60 84.00 32.20 20.32 9.40 7.28 5.20 20.32 9.40	6 POSIT: • code: 3 de: 3 dd. code: 3 code: 3 code: 4 0 code: 3 code: 4 code: 4 16876 1290 720 720 720 720 720 720 720 72	JECT STATIG ION:Lat 2 Long 1 OF LOT C 0F TOT. C 39.25 17.47 10.93 8.60 4.64 4.45 4.29 1.64 1.64 1.64 1.64 1.64 1.64 1.64 1.64	<ul> <li>2047</li> <li>2043</li> <li>2043</li> <li>2044</li> <li>2042</li> <li>2041</li> <li>2045</li> <li>2045</li> <li>2046</li> <li>2047</li> <li>2047</li> <li>2046</li> </ul>	SPECIES Trachur Merlucc Chelidd Chatrab Merlucc Lophius Dentex Total DAT TIM LOG SPECIES SPECIES Merlucc Trachur RAJIDAE Sufflog Chelidd Total DAT
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min .06 :2988.30 2990.00 1.70 FDEPTH: 442 432 DDEPTH: 442 432 Towing dir: 335* Wire out: Sorted: 93 Kg Total catch: SPECIES Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Shrinpe, small, not comm. Merluccius capensis, female Lophius vomerinus Galeus polli Merluccius capensis, female Aristeus varidens Yarrella blackfordi Epigonus denticulatus Merluccius capensis, male Nezumia sp. Lophius vaillanti Notacanthus sexspinis Total DATE:14/11/94 GEAR TY start stop duration TIME :08:50:00 09:20:00 30 (min LOG :3000.20 3001.90 1.70 FDEPTH: 325 125 DEPTH: 325 125 Towing dir: 20* Wire out: Sorted: 397 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Helicolenus dactylopterus Galeus polli Lophius vomerinus Chlorophtalmus atlanticus Schedophilus huttoni Coelorinchus fasciatus Mezumia sp. Todrodes sagitatus Squalus megalops	<pre>PP: BT No: Area co Gearcon Validit 1250 m Sp 458.56 CATCH/ weight 360.00 160.20 78.90 42.60 40.80 9.30 15.00 7.50 7.22 3.60 2.80 0.90 917.12</pre>	6 POSIT: • code: 3 • de : 3 • de : 3 • de : 3 • de : 3 • code: 4 • 1680 • 1680 • 1680 • 28 • 1690 • 1680 • 420 • 420 • 420 • 420 • 6 • 6 • FOSIT • code: 3 • de : 3 • de : 3 • de : 4 • for the second	JECT STATIG ION:Lat 2 Long 1 /HOUR: 2 OF TOT. C 39.25 17.47 10.93 8.60 4.64 4.45 4.29 1.64 1.64 1.64 1.64 1.64 1.64 1.64 1.64	<ul> <li>2047</li> <li>2043</li> <li>2043</li> <li>2044</li> <li>2042</li> <li>2041</li> <li>2045</li> <li>2045</li> <li>2045</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2048</li> </ul>	SPECIES Trachur Merlucc Chelido Chatrab Merlucc Lophius Dentex Total DAT TIM BDE SPECIES SPECIES Merlucc Merlucc Trachur RAJIDAE Sufflog Chelido Total DAT
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min LOG :2298.30 2990.00 1.70 FDEPTH: 442 432 BDEPTH: 442 432 Towing dir: 335° Wire out: Sorted: 93 Kg Total catch: SPECIES Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Shrimps, small. not comm. Merluccius paradoxus, female Lophius vomerinus Galeus polli Merluccius capensis, female Aristeus varidens Yarrella blackfordi Epigonus denticulatus Merluccius capensis, male Nezumia sp. Lophius vaillanti Notacanthus sexspinis Total DATE:14/11/94 GEAR TY start stop duration TIME :08:50:00 9:20:00 30 (min LOG :3000.20 3001.90 1.70 FDEPTH: 325 325 DOWING dir: 20° Wire out: Sorted: 397 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Helicolenus dactylopterus Galeus polli Lophius vomerinus Chlorophthalmus atlanticus Schedophilus hattoni Coelorinchus fasciatus Mezumia sp. Todarodes sagitatus Squalus megalops Hoplostethus cadenati Syngrops microlepis Genypterus capensis	PE: BT No:         Area co GearCon Validit         1250 m Sp         458.56         CATCH/ Weight         360.00         160.20         78.90         42.60         40.80         39.30         15.30         7.50         7.50         917.12         SPE: BT No:         20.90         917.12         SPE: BT No:         20.32         89.60         89.60         89.60         89.60         89.60         84.00         20.32         940         7.28         3.28         1.04         0.88	6 POSIT: • code: 3 • de: 3 • de: 3 • de: 3 • code: 4 • code: 4 • code: 3 • code: 3 • code: 3 • code: 3 • code: 4 • 1290 • 200 • 5594 • 114 • 28 • 6 • 200 • 6 • 200 • 6 • 200 • 6 • 000 • 1290 • 1290 • 200 • 5594 • 1290 • 200 • 5594 • 200 • 6 • 000 • 000	JECT STATIG ION: Lat :: Long 1 /HOUR: : OF TOT. C 39.25 17.47 10.93 8.60 4.64 4.64 1.64 0.82 0.79 0.31 0.10 100.02 JECT STATIG ION: Lat Cong 	<ul> <li>2047</li> <li>2043</li> <li>2043</li> <li>2044</li> <li>2042</li> <li>2041</li> <li>2045</li> <li>2045</li> <li>2046</li> <li>2047</li> <li>2047</li> <li>2046</li> </ul>	SPECIES
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min LOS :2988.30 2990.00 1.70 FDEPTH: 442 432 DEPTH: 442 432 Towing dir: 335* Wire out: Sorted: 93 Kg Total catch: SPECIES Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Shrimps, small, non comm. Merluccius camensis, female Lophius vomerinus Galeus polli Merluccius capensis, female Aristeus varidens Yarrella blackfordi Epigonus denticulatus Merluccius capensis, male Mezunia sp. Lophius vaillanti Notacanthus sexspinis Total DATE:14/11/94 GEAR TY start stop duration TIME :08:50:00 09:20:00 30 (min LOG :3000.20 3001.90 1.70 FDEPTH: 325 325 Towing dir: 20* Wire out: Sorted: 397 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Galeus polli Lophius vomerinus Chlorophthalmus atlanticus Schedophilus hattoni Coelorinchus fasciatus Mezunia sp. Todarodes sagittatus Squalus megalops Hoplostethus cadenati Syngrops microlepis Genypterus capensis Bathyuroconger vicinus	PE: BT No: Area co Gearcon Validit 1250 m Sp 458.56 CATCH/ weight 360.00 160.20 160.20 160.20 160.20 160.20 15.30 15.30 15.30 7.50 7.22 3.60 2.80 0.90 917.12 PE: BT No: Area co Gearcon Validit 1000 m Sp 475.85 CATCH/ weight 589.00 10.20 20.32 9.40 7.28 5.20 3.28 7.28 5.20 3.28 7.28 5.20 3.28 7.28 5.20 3.28 7.28 5.20 3.28 7.	6 POSIT: • code: 3 • de : 3 • de : 3 • de : 3 • de : 3 • code: 4 • 1680 • 1680 • 1680 • 28 • 1690 • 1680 • 420 • 420 • 420 • 420 • 6 • 6 • FOSIT • code: 3 • de : 3 • de : 3 • de : 4 • for the second	JECT STATIG ION:Lat 2 Long 1 OF LOT C GF TOT. C 39.25 17.47 10.93 8.60 4.64 4.45 4.29 1.64 1.64 0.82 0.79 0.31 0.10 100.02 JECT STATIG ION:Lat Long Mr*10 VHOUR: OF TOT. C 61.37 1.38 9.34 9.34 0.12 0.53 3.36 2.12 0.54 0.54 0.54 0.54 0.54 0.54 0.54 0.54	<ul> <li>2047</li> <li>2043</li> <li>2043</li> <li>2044</li> <li>2042</li> <li>2041</li> <li>2045</li> <li>2045</li> <li>2045</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2048</li> </ul>	SPECIES SPECIES Trachur Merluco Chelido Chatrab Merluco Iophius Dentex Total DAT TIM LOG FDD BDE S SPECIES SPECIES Sufflog Chelido Total DAT Trachur RAJIDAE Sufflog Chelido Total SSFECIES SUFFLOS SPECIES SPECIES SPECIES
DATE:14/11/94 GEAR TY start stop duration TIME :06:40:00 07:10:00 30 (min LOG :2298.30 2990.00 1.70 FDEPTH: 442 432 BDEPTH: 442 432 Towing dir: 335° Wire out: Sorted: 93 Kg Total catch: SPECIES Hoplostethus cadenati Trachyrincus scabrus Helicolenus dactylopterus Shrimps, small. not comm. Merluccius paradoxus, female Lophius vomerinus Galeus polli Merluccius capensis, female Aristeus varidens Yarrella blackfordi Epigonus denticulatus Merluccius capensis, male Nezumia sp. Lophius vaillanti Notacanthus sexspinis Total DATE:14/11/94 GEAR TY start stop duration TIME :08:50:00 9:20:00 30 (min LOG :3000.20 3001.90 1.70 FDEPTH: 325 325 DOWING dir: 20° Wire out: Sorted: 397 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Helicolenus dactylopterus Galeus polli Lophius vomerinus Chlorophthalmus atlanticus Schedophilus hattoni Coelorinchus fasciatus Mezumia sp. Todarodes sagitatus Squalus megalops Hoplostethus cadenati Syngrops microlepis Genypterus capensis	PE: BT No:         Area co GearCon Validit         1250 m Sp         458.56         CATCH/ Weight         360.00         160.20         78.90         42.60         40.80         39.30         15.30         7.50         7.50         917.12         SPE: BT No:         20.90         917.12         SPE: BT No:         20.32         89.60         89.60         89.60         89.60         89.60         84.00         20.32         940         7.28         3.28         1.04         0.88	6 POSIT: • code: 3 • de: 3 • de: 3 • de: 3 • code: 4 • code: 4 • code: 3 • code: 3 • code: 3 • code: 3 • code: 4 • 1290 • 200 • 5594 • 114 • 28 • 6 • 200 • 6 • 200 • 6 • 200 • 6 • 000 • 1290 • 1290 • 200 • 5594 • 1290 • 200 • 5594 • 200 • 6 • 000 • 000	JECT STATIG ION: Lat :: Long 1 /HOUR: : OF TOT. C 39.25 17.47 10.93 8.60 4.64 4.64 1.64 0.82 0.79 0.31 0.10 100.02 JECT STATIG ION: Lat Cong 	<ul> <li>2047</li> <li>2043</li> <li>2043</li> <li>2044</li> <li>2042</li> <li>2041</li> <li>2045</li> <li>2045</li> <li>2045</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2047</li> <li>2046</li> <li>2048</li> </ul>	SPECIES

)	DATE: 14/11/94 GEAR TY	PE: BT No:6		T STATION	
3	start stop duration TIME :11:05:00 11:25:00 20 (mir			Long E	1235
	LOG :3010.80 3011.90 1.10 FDEPTH: 319 317	Area code GearCond.c	: 3		
	BDEPTH: 319 317 Towing dir: 30° Wire out:	Validity c	ode:	0	
	Sorted: 63 Kg Total catch:	53.10	CATCH/HC	OUR: 18	9.30
P .	SPECIES	CATCH/HOU	R & OF	тот. с	SAMP
	Merluccius capensis, female	weight num 102.54	ibers 138	54.17	2051
	Merluccius capensis, male Chlorophthalmus atlanticus	32.10 24.75	60 1236	16.95 13.07	2050
	Synagrops microlepis Pterothrissus belloci		1236 681	4.69	
7	Ccelorinchus fasciatus Austroglossus microlepis	3.00 2.68	120 9	1.58 1.52	2052
	Lophius vomerinus OPHICHTHIDAE	2.64	3 30	1.39	2053
	Galeus polli Trigla lyra	1.08	39	0.57	
	Helicolenus dactylopterus	0.42	6 9 18	0.22	
	Coelorinchus coelorhinc, polli MYCTOPHIDAE	0.15	117	0.08	
	Shrimps, small, non comm. Solenocera africana	C.05 C.03	87 27	0.03	
	Total	189.30		99.99	
1 6			PROJEC	CT STATION	4: 615
1	DATE:14/11/94 GEAR T start stop duration	YPE: BT No:6	POSITIO	N:Lat S Long E	
	TIME :12:59:00 13:29:00 30 (mi: LOG :3020.20 3022.00 1.80	n) Purpose co Area code		-	
	FDEPTH: 298 293 BDEPTH: 298 293	GearCond.c Validity c	code:		
	Towing dir: 345* Wire out.			10	
P	Sorted: 25 Kg Total catch	: 58.62	CATCH/H	DUR: 13	37.24
F		CATCH/HOU			CAND
9	SPECIES	weight nur	nbers		SAMP
0	Trachurus capensis Merluccius capensis, male	20.50	649 66	59.11 14.94	2056 2054
	Merluccius capensis, female Sufflogobius bibarbatus	15.80	34 2328	11.51 9.44	2055
	Taractes sp. Lophius vomerinus	5,72	2	4.17 0.48	2057
	PORTUNIDAE	0.48	24	0.35	
	Total	137.24		100.00	
8	DATE:14/11/94 GEAR T	YPE: BT No:6		CT STATIO N:Lat 5	2040
	start stop duration TIME :15:25:00 15:55:00 30 (mi	n) Purpose co	ode: 3	Long E	1249
	LOG :3033.90 3035.80 1.90 FDEPTH: 159 177	Area code GearCond.c	code:		
	BDEPTH: 159 177 Towing dir: 340° Wire out	Validity ( : 550 m Speed		10	
2 7	Sorted: 77 Kg Total catch	.: 1815.03	сатен/н	OUR: 36	30.06
9					
	SPECIES	CATCH/HO weight nu		F TCT. C	SAMP
	Trachurus capensis Merluccius capensis, female		46804 930	91.17 3.02	2060 2059
	Chelidonichthys capensis Chatrabus melanurus	88.96 56.10	226 114	2.45 1.55	
P	Merluccius capensis, male Lophius vomerinus	51.66 7.94	490 114	1.42 C.22	2058 2061
	Dentex macrophthalmus	6.24	56	C.17	
	Total	3630.06		100.00	
3					
4			PROTE	CT STATIO	N: 617
2	DATE:14/11/94 GEAR T start stop duration	YPE: BT No:		N:Lat S Long E	2036
	TIME :18:23:00 18:30:0C 7 (mi LOG :3050.60 3051.00 0.40	n) Purpose c Area code	ode: 3	20119 5	1901
1	FDEPTH: 120 117	GearCond.	code:		
5	BDEPTH: 120 117 Towing dir: 350° Wire out	Validity : 345 m Speed		10	
	Sorted: 4 Kg Total catch	1: 4.34	сатсн/н	OUR:	37.20
.3	SPECIES	weight nu	mbers	F TOT. C	SAMP
6 B	Merluccius capensis, female Merluccius capensis, male	16.63 9.69	231 146	44.70 26.05	2064 2063
	Trachurus capensis RAJIDAE	7.80 2.74	146 34	20.97 7.37	2062
	Sufflogobius bibarbatus Chelidonichthys capensis	0.17 C.17	26	0.46	
	Total	37.20	-	100.01	
	10(21	57.20		100.01	
P					
7				ECT STATIO	
6	start stop duration	YPE: BT No:6		N:Lat S Long Σ	
8	TIME :D6:46:00 06:54:00 B (mi Loc :3085.00 3085.40 0.40	Area code	: 3		
	FDEPTH: 109 109 BDEPTH: 109 109	GearCond. Validity	code:		
	Towing dir: 358* Wire out			10	
			CATCH/H	IOTE -	
	Sorted: Kg Total catch	1:	CAICH/F	JOOK.	
	Sorted: Kg Total catch	1: CATCH/HO		OF TOT. C	SAMP
9			UR SC		SAMP
9	SPECIES	CATCH/HO weight nu	UR SC		SAMP

		PRO.T	ECT STATIO	N. 619	
DATE:15/11/94 GEAR start stop duration	TYPE: BT No:6	POSITI	ON:Lat S	2026 1235	DATE: 15/
TIME :10:13:00 10:23:00 10 (m	in) Purpose	code: 3	rond r	-235	TIME :1
LOG :3110.10 3110.60 0.50	Area cod	e : 3			LOG :3
FDEPTH: 250 250	GearCond				FDEPTH:
BDEPTH: 250 250	Validity				BDEPTH:
Towing dir: 250° Wire ou	t: 750 m Spee	ed: 30 kn	*10		т
Sorted: 23 Kg Total catc	:b: 23.93	CATCH/	HOUR: 1	43.58	Sorted
SPECIES	CATCH/H		OF TOT. C	SAMP	SPECIES
Trachurus cap <del>e</del> nsis	84.30	738	58.71	2067	Centrophorus
Merluccius capensis, male	24.96	174	17.38		Trachyrincus
Merluccius capensis, female	21.84	138	15.21	2066	Merluccius p
ECHINORHINIDAE	12.48	6	8.69		Nezumia sp.
Total	143.58		99.99		Hoplostethus Deania calce
10001	143.00		33.33		Lophius vome
					Helicolenus
					Epigonus tel
					Merluccius p
					Shrimps, sma
					Yarrella bla
					Aristeus var
		DDO T	ECT STATIO		Notacanthus Bathyurocong
DATE: 15/11/94 GEAR	TYPE: BT No:6				S <del>e</del> lachophidi
start stop duration		103111	Long E		Todarodes sa
TIME :11:56:00 12:16:00 20 (π		code: 3	Long D	1220	Epiqonus den
LOG :3118.80 3120.00 1.20	Area cod				Ebinania cos
FDEPTH: 289 291	GearCond				
BDEPTH: 289 291	Validity	code:			Total
Towing dir: 250° Wire ou	t: 880 m Spee	ed: 32 kn	*10		
Sorted: 101 Kg Total cate	h: 438.26	CATCH/	HOUR: 13	14.78	
SPECIES			OF TOT. C	SAMP	
	weight n				
Trachurus capensis Dentex macrophthalmus	916.50 152.10	5655 653	69.71	2059 2058	
Merluccius camencis male	120 25	438	11.57 9.18	2058	
Merluccius capensis, female	99.30	261	7.55	2071	DATE:15/
Sufflogobius bibarbatus	26.13	3900	1.99	2012	
Total	1314.79		100.00		TIME :2
10(21	1314./5		100.00		LOG : 3 FDEPTH:
					BDEPTH:
					. т
					Sorted
					SPECIES
			ECT STATIO		
	TYPE: BT No:6	POSITI			Trachyrincus
start stop duration TIME :14:10:00 14:35:00 25 (π		onder 3	Long E	1220	Merluccius p
LOG :3130.50 3131.80 1.30	Area cod				Deania calce Nezumia sp.
FDEPTH: 300 301	GearCond				Yarrella bla
BDEPTH: 300 301	·Validity				Lophius vome
Towing dir: 357* Wire ou	t:9509 m Spee	ed: 31 kn	*10		ALEPOCEPHALI
					Hoplostethus
Sorted: 304 Kg Total cate	n: 580.23	CATCH/	HOUR: 16	32.55	Todarodes sa
					Lophius vail
SPECIES	61 more (11		OF TOT. C	SAMP	Galeus polli Bathyurocong
Chlorophthalmus atlanticus	weight n 535.40	umbers 23472	32.86		Raja confund Selachophidi
Merluccius capacris famale	weight n 536.40 475.80	umbers 23472 802	32.86 29.14	2073	Raja confund Selachophidi Paradiplospi
	weight n 535.40	umbers 23472	32.86		Raja confund Selachophidi

Merrucerus capensis, remaie	4/3.80	032	29.14	2073
Merluccius capensis, male	168.48	350	10.32	2072
Dentex macrophthalmus	147.24	540	9.02	2076
Galeus polli	93.24	2736	5.71	
Trachurus capensis	88.92	468	5.45	2075
Synagrops microlepis	52.20	6768	3.20	
Pterothrissus belloci	29.88	252	1.83	
Lophius vomerinus	21.60	36	1.32	2077
Coelorinchus fasciatus	11.88	288	0.73	
Todaropsis eblanae	2.16	72	0.13	
Solenocera africana	1.80	458	0.11	
Austroglossus microlepis	1,51	5	0.09	2074
PORTUNIDAE	1.44	72	0.09	
Total	1632.55		100.00	

DATE:15/11/94 CEAR TY start stop duration TIME :16:39:00 17:09:00 30 (min LOG :3143.00 3144.80 1.80 FDEPTH: 360 373	PE: BT No:6 POS	3	4: 622 2035 1213
Towing dir: 360° Wire out:	1050 m Speed: 32	kn*10	
Sorted: 254 Kg Total catch:	405.06 CAT	CH/HOUR: 81	.0.12
SPECIES	CATCH/HOUR weight numbers	% OF TOT. C	SAMP
Merluccius capensis, female	379.00 304		2079
Helicolenus dactvlopterus	265,20 5530	32.74	
Merluccius capensis, male	59,60 64	7.36	2078
Nezumia sp.	22.32 1272	2.76	
Galeus polli	19.32 264	2.38	
Todarodes sagittatus	15.60 24	1.93	
Coelorinchus fasciatus	13.32 492	1.64	
Chlorophthalmus atlanticus	12.72 360	1.57	
Lophius vomerinus	9.20 14	2.14	2080
Coelorinchus coelorhinc. polli	5.16 168	0.64	
Laemonema laureysi	3.00 48	0.37	
Ebinania costaecanarie	1.92 24		
Genypterus capensis	1.40 2		2082
Hoplostethus cadenati	0.84 24		
Bathyuroconger vicinus	0.72 24		
Merluccius paradoxus, female	0.56 4	0.07	2081
PORTUNIDAE	0.24 12	0.03	
Total	810.12	100.01	

DATE:15/11/94         GEAR TYPE: BT No:6         POSITION:Lat S 2036           start stop duration         Long E 1205           TIME :19:17:00 19:47:00 30 (min)         Purpose code: 3           LOG :3153.50 3155.10 1.60         Area code : 2           FDEPTH: 501 501         CearCond.code:           BDEFTH: 501 501         Validity code:           Towing dir: 330*         Wire out:1400 m Speed: 30 km*10           Sorted: 278 Kg         Total catch: 515.59           CATCH/HOUR         t OF TOT. C SAMP           weight numbers         224.40           Centrophorus squamosus         224.40           Tackay incurses         224.40           Merluccius paradoxus, female         138.40           Alcea         112.64           Helicolenus dactylopterus         11.28           Merluccius paradoxus, male         1.70           Helicolenus dactylopterus         11.28           Shrimps, small, non comm.         4.56           Shrimps, Small, non comm.			PRO.7	ECT STATIO	N: 623
start         stop         duration         Long         E         1206           TIME         19:17:00         19:47:00         30 (min)         Purpose code:         3           LOG         :3153.50         3155.10         1.60         Area code:         2           FDEPTH:         501         501         GearCond.code:         30         N=10           BDEPTH:         501         501         walidity code:         1031.18           Sorted:         278 Kg         Total catch:         515.59         CATCH/HOUR:         1031.18           SPECIES         CATCH/HOUR & OF TOT. C         SAMP         weight numbers         23.27           Trachyrincus scabrus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus, female         138.40         322         1.42         2084           Merluccius paradoxus, female         138.40         322         2.42         2084           Merluccius paradoxus, female         1128.40         4152         2.24.5         2085           Heilicolennus dactylopterus         11.28         48         1.09         2085           Epigonus telescopus         <	DATE: 15/11/94 GEAR TYP	E: BT No:6			
THE       :19:17:00       19:47:00       30       (min)       Purpose code:       3         LOG       :3153.50       3155.10       1.60       Area code       :2         FDEPTH:       :501       Sol       Validity code:       2         Towing dir:       :30"       Wire out:1400 m. Speed:       30 km*10         Sorted:       278 Kg       Total catch:       515.59       CATCH/HOUR:       1031.18         SPECIES       CATCH/HOUR       % OF TOT. C       SAMP         weight       numbers       21.40       1320       21.75         Trachyrincus scabrus       224.40       1320       21.76         Merluccius paradoxus, female       128.40       4152       2.24         Moltostethus cadenati       122.64       4160       1.89         Deania calcea       114.00       24       10.6         Lophius vomerinus       16.70       10       1.62       2085         Helicolenus dactylopterus       11.28       48       0.93       20133         Shrimps, small, non comm.       4.56       2256       0.44       4aristeus varidens       4.32       4.32       40         Notacanthus sexspinis       4.08       72       0.40 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
LOG :3153.50 3155.10 1.60 Area code : 2 FDEPTH: 501 501 CearCond.code: BDEPTH: 501 501 Validity code: Towing dir: 330* Wire out:1400 m. Speed: 30 km*10 Sorted: 278 Kg Total catch: 515.59 CATCH/HOUR: 1031.18 SPECIES CATCH/HOUR t OF TOT. C SAMP weight numbers Centrophorus squamosus 240.00 20 23.27 Trachyrincus scabrus 244.00 1320 21.76 Merluccius paradoxus, female 138.40 322 13.42 2084 Merluccius paradoxus, female 138.40 322 13.42 2084 Merluccius paradoxus female 132.64 4160 11.89 Deania calcea 114.00 24 11.06 Lophius vomerinus 16.70 10 1.62 2085 Heilcolenus dactylopterus 11.28 48 0.53 Merluccius paradoxus, male 4.70 18 C.44 Aristeus varidens 4.32 432 0.44 Marinecus varidens 4.32 432 0.42 Notacanthus sexspinis 4.08 72 0.40 Sathyurocomper virinus 1.20 48 0.12 Ebigoms deticulatus 1.20 48 0.12 Ebigania costaecanarie 0.72 24 0.07		Purpose of	code: 3		
BDEPTH:         SOI         SOI         validity code: Towing dir:         Soil         validity code: Species           Sorted:         278 Kg         Total catch:         515.59         CATCH/HOUR:         1031.18           SPECIES         CATCH/HOUR & OF TOT. C         SAMP           Centrophorus squamosus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus. female         138.40         322         12.42         2084           Nezumia sp.         128.40         4152         12.65         2085           Helicolenus dactylopterus         11.28         460         11.66         2085           Deania calcea         11.400         24         1.66         2083           Shrimps, small. non comm.         4.56         2256         0.44           Yariela blackfordi         4.56         384         0.44           Yariela blackfordi         4.56         384         0.40           Bathyuroconger vinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.12           Bathyuroconger vinus         2.64         48         0.26					
Towing dir: 330 Wire out:1400 m. Speed: 30 kn=10         Sorted: 278 Kg       Total catch:       515.59       CATCH/HOUR:       1031.18         SPECIES       CATCH/HOUR       % OF TOT. C       SAMP         Centrophorus squamosus       240.00       20       23.27         Trachyrincus scabrus       244.40       1320       21.76         Merluccius paradoxus, female       138.40       322       13.42       2084         Mezluccius paradoxus, female       128.40       4152       12.45       2085         Mezluccius dactylopterus       112.264       4160       11.89       2085         Deania calcea       114.00       24       11.06       2085         Helicolenus dactylopterus       11.28       48       1.09         Epigonus telescopus       5.46       48       0.53         Merluccius paradoxus, male       4.70       18       0.46         Aristeus varidens       4.32       432       0.42         Notacanthus sexspinis       4.08       72       0.40         Bathyuroconger vicinus       2.64       48       0.12         Bathyuroconger vicinus       2.64       48       0.26         Selachophidium quentheri       1.92       48 </td <td>FDEPTH: 501 501</td> <td>GearCond</td> <td>.code:</td> <td></td> <td></td>	FDEPTH: 501 501	GearCond	.code:		
Towing dir: 330*       Wire out:1400 m Speed: 30 km*10         Sorted: 278 Kg       Total catch:       515.59       CATCH/HOUR:       1031.18         SPECIES       CATCH/HOUR:       1031.18         SPECIES       CATCH/HOUR:       1031.18         Centrophorus squamosus       240.00       20       23.27         Trachyrincus scabrus       224.40       1320       21.76         Merluccius paradoxus, female       138.40       322       13.42       2084         Mezluccius paradoxus, female       128.40       4152       12.42       2084         Mezdunia sp.       122.64       4150       11.89         Deania calcea       114.00       24       1.06         Lophius vomerinus       16.70       10       1.62       2085         Heilcolenus dactylopterus       11.28       48       1.09         Epigonus telescopus       5.46       48       0.53         Merluccius paradoxus, male       4.70       18       6.46         Arristeus varidens       4.32       0.42       1.44         Aristeus varidens       4.32       0.42       1.44         Aristeus varidens       4.08       72       0.40         Bathyuroconger vicinus<	BDEPTH: 501 501	Validity	code:		
SPECIES         CATCH/HOUR         % OF TOT. C         SAMP           Centrophorus squamosus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus, female         138.40         4152         2.24           Nezunia sp.         128.40         4152         2.24         2084           Mezluccius cadenati         122.64         4160         11.89         Demaia calcea         114.00         24         11.06           Lophius vomerinus         16.70         10         1.62         2085           Helicolenus dactylopterus         11.28         48         1.09           Epigonus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         C.46           Variela blackfordi         4.56         284         0.44           Yarietus varidens         4.32         4.32         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.15           Todarodes sagittatus	Towing dir: 330° Wire out:1			*10	
Centrophorus squamosus         veight         numbers         veight         numbers           Centrophorus scabrus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus, female         138.40         322         13.42         2084           Merluccius paradoxus, female         128.40         4152         2.2.45           Hoplostethus cadenati         122.64         4160         11.89           Deania calcea         114.00         24         10.6           Lophius vomerinus         16.70         10         1.62         2085           Helicolenus dactylopterus         11.28         48         1.09           Epigonus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         2256         0.44           Aristeus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92	Sorted: 278 Kg Total catch:	515.59	CATCH/	HOUR: 10	31.18
weight         numbers           Centrophorus squamosus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus, female         138.40         322         13.42         2084           Nezumia sp.         128.40         4152         12.245         10.60           Deania calcea         114.00         24         11.06           Lophius vomerinus         16.70         10         1.62         2083           Helicolenus dactylopterus         11.28         48         1.09         2083           Epigonus telescopus         5.46         48         0.53         3           Merluccius paradoxus, male         4.70         18         0.44         4           Yaristeus varidens         4.32         432         0.42         Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26         5         5         5         6         12         12         12           Todarodes sagittatus         1.20         48         0.12         12         12         12         12         12         12         12	SPECIES	CATCH/H	OTTR &	0F TOT C	SAMD
Centrophorus squamosus         240.00         20         23.27           Trachyrincus scabrus         224.40         1320         21.76           Merluccius paradoxus, female         138.40         322         13.42         2084           Nezunia sp.         128.40         4152         12.45         2084           Nezunia sp.         128.40         4152         12.45           Doplostethus cadenati         122.64         4160         11.89           Deania calcea         114.00         24         10.6           Lophius vomerinus         16.70         10         1.62         2085           Helicolenus dactylopterus         11.28         48         0.59           Depionus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         0.44           Aristeus varidens         4.32         0.42         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         40         0.12					Dran
Trachyrincus scabrus       224.40       1320       21.76         Merluccius paradoxus, female       138.40       322       13.42       2084         Nezumia sp.       128.40       4152       12.45         Hoplostethus cadenati       122.64       4160       11.89         Deania calcea       114.00       24       11.06         Lophius vomerinus       16.70       10       1.62       2083         Belicolenus dactylopterus       11.28       48       1.09         Epigonus telescopus       5.46       48       0.53         Merluccius paradoxus, male       4.70       18       0.46       2083         Shrimps, small, non comm.       4.56       2364       0.44         Yaristeus varidens       4.32       432       0.42         Notacanthus sexspinis       4.08       72       0.40         Bathyuroconger vicinus       2.64       48       0.26         Selachophidium guentheri       1.92       48       0.19         Todarodes sagittatus       1.20       40       0.12         Epigonus denticulatus       1.20       48       0.12				23.27	
Merluccius paradoxus, female         138.40         322         13.42         2084           Nezumia sp.         128.40         4152         12.45         8084           Neplostethus cadenati         122.64         4160         11.89           Deania calcea         114.00         24         11.06         2085           Helicolenus dactylopterus         11.28         48         1.09         2085           Epigonus telescopus         5.46         48         0.53         84           Merluccius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         2256         0.44         Aristeus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40         54         54         54         54         54         54         54         54         54         54         54         54         48         0.26		224.40			
Nezumia sp.       128.40       4152       12.45         Noplostethus cadenati       122.64       4160       11.89         Deania calcea       114.00       24       11.06         Lophius vomerinus       16.70       10       1.62       2085         Helicolenus dactylopterus       11.28       48       1.09         Epigonus telescopus       5.46       48       0.53         Merluccius paradoxus, male       4.70       18       0.46       2083         Shrimps, small, non comm.       4.56       2256       0.44         Yarrella blackfordi       4.56       384       0.42         Notacanthus sexspinis       4.08       72       0.40         Bathyuroconger vicinus       2.64       48       0.26         Selachophidium guentheri       1.92       48       0.12         Epigonus denticulatus       1.20       40       0.12         Epigonus denticulatus       1.20       48       0.12					2084
Hoplostethus cadenati         122.64         4160         11.89           Deania calcea         114.00         24         11.06           Lophius vomerinus         16.70         10         1.62         2085           Helicolenus dactylopterus         11.28         48         1.09           Dejonus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         2256         0.44           Yarrella blackfordi         4.56         384         0.40           Natarelus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.12           Epigonus denticulatus         1.20         48         0.12           Epigonus denticulatus         1.20         48         0.12					
Deania calcea         114.00         24         11.06           Lophius vomerinus         16.70         10         1.62         2085           Heilcolenus dactylopterus         11.28         48         1.09           Epigonus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         2256         0.44         Aristeus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40         Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19         Todarodes sagittatus         1.20         48         0.12           Epigonus denticulatus         1.20         48         0.12         Epigonus denticulatus         0.72         0.07	Hoplostethus cadenati	122.64	4160	11.89	
Lophius vomerinus         16,70         10         1,62         2085           Helicolenus dactylopterus         11,28         48         1,09           Epigonus telescopus         5.46         48         0.53           Merluccius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         384         0.44           Yarrella blackfordi         4.56         384         0.44           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         24         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Deania calcea	114.00			
Helicolenus dactylopterus       11.28       48       1.09         Epigonus telescopus       5.46       48       0.53         Merluccius paradoxus, male       4.70       18       0.46       2083         Shrimps, small, non comm.       4.56       2256       0.44         Yarrella blackfordi       4.56       384       0.42         Notacanthus sexspinis       4.08       72       0.40         Bathyuroconger vicinus       2.64       48       0.26         Selachophidium guentheri       1.92       48       0.19         Todarodes sagittatus       1.20       48       0.12         Epigonus denticulatus       1.20       48       0.12         Ebinania costaecanarie       0.77       24       0.012	Lophius vomerinus	16.70	10	1.62	2085
Merinocius paradoxus, male         4.70         18         0.46         2083           Shrimps, small, non comm.         4.56         2256         0.44           Yarrella blackfordi         4.56         384         0.42           Aristeus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         48         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Helicolenus dactylopterus	11.28	48	1.09	
Shrimps, small, non comm.       4.56       2256       0.44         Yarrella blackfordi       4.56       384       0.44         Aristeus varidens       4.32       432       0.42         Notacanthus sexspinis       4.08       72       0.40         Bathyuroconger vicinus       2.64       48       0.26         Selachophidium guentheri       1.92       48       0.19         Todarodes sagittatus       1.20       24       0.12         Epigonus denticulatus       1.20       48       0.12         Ebinania costaecanarie       0.72       24       0.07	Epigonus telescopus	5.46	48	0.53	
Yarrella blackfordi         4.56         384         0.44           Aristeus varidens         4.32         432         0.42           Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         24         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Merluccius paradoxus, male	4.70	18	0.46	2083
Aristeus varidens       4.32       432       0.42         Notacanthus sexpinis       4.08       72       0.40         Bathyurcoonger vicinus       2.64       48       0.26         Selachophidium guentheri       1.92       48       0.19         Todarodes sagittatus       1.20       24       0.12         Epigonus denticulatus       1.20       48       0.12         Ebinania costaecanarie       0.72       24       0.07	Shrimps, small, non comm.	4.56	2256	0.44	
Notacanthus sexspinis         4.08         72         0.40           Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         24         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Yarrella blackfordi	4.56	384	0.44	
Bathyuroconger vicinus         2.64         48         0.26           Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         24         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Aristeus varidens	4.32	432	0.42	
Selachophidium guentheri         1.92         48         0.19           Todarodes sagittatus         1.20         24         0.12           Epigonus denticulatus         1.20         48         0.12           Epigonus denticulatus         1.20         48         0.12           Ebinania costaecanarie         0.72         24         0.07	Notacanthus sexspinis	4.08	72	0.40	
Todarodes sagittatus     1.20     24     0.12       Epigonus denticulatus     1.20     48     0.12       Ebinania costaecanarie     0.72     24     0.07	Bathyuroconger vicinus	2.64	48	0.26	
Epigonus denticulatus     1.20     48     0.12       Ebinania costaecanarie     0.72     24     0.07		1.92	48	0.19	
Ebinania costaecanarie 0.72 24 0.07	Todarodes sagittatus	1.20	24	0.12	
		1.20	48	0.12	
Total 1031.18 100.01	Ebinania costaecanarie	0.72	24	0.07	
	Total	1031.18		100.01	

		PROJECT STAT	'ION: 624
DATE:15/11/94	GEAR TYPE: BT No:6	POSITION:Lat	S 2030
start stop	duration	Long	E 1159
TIME :21:20:00 21:50:00	30 (min) Purpose co	de: 3	
LOG :3164.50 3166.10	1.50 Area code	: 2	
FDEPTH: 600 602	GearCond.co	ode:	
BDEPTH: 600 602	Validity c	ode:	
. Towing dir: 340*	Wire out:1600 m Speed:	: 32 kn*10	
Sorted: 114 Kg To	tal catch: 211.46	CATCH/HOUR:	422.92

SPECIES	CATCH	HOUR	S OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	137.40	448	. 32.49	
Merluccius paradoxus, female	134.60	178	31.83	2086
Deania calcea	32.40	6	7.66	
Nezumia sp.	22.92	1008	5.42	
Yarrella blackfordi	19.58	1200	4.65	
Lophius vomerinus	14.80	4	3.50	2087
ALEPOCEPHALIDAE	11.76	84	2.78	
Hoplostethus cadenati	11.28	276	2.67	
Todarodes sagittatus	10.08	24	2.38	
Lophius vaillanti	9.40	2	2.22	2088
Galeus polli	5.28	48	1.25	
Bathyuroconger vicinus	5.16	60	1.22	
Raja confundens	3.84	12	0.91	
Selachophidium guentheri	1.92	36	0.45	
Paradiplospinus gracilis	0.96	12	0.23	
Shrimps, small, non comm.	0.48	108	0.11	
Thysanoteuthis rhombus	0.36	12	0.09	
Coelorinchus braueri	0.36	12	0.09	
Aristeus varidens	0.12	12	0.03	
Notacanthus sexspinis	0.12	12		
Total	422.92		100.01	

		200		
			JECT STATION	
	TYPE: BT No:	6 POSIT	ION:Lat S	
start stop duration	-		Long E	1157
		e code: 3		
LOG :3172.30 3173.80 1.50	Area co			
FDEPTH: 448 542		nd.code:		
BDEPTH: 448 542		ty code:		
Towing dir: 340* Wire ou	1t:1500 m Sp	eed: 32 kr	1 <b>*10</b>	
Sorted: 73 Kg Total cate	ch: 358.20	О САТСН,	HOUR: 7]	.5.40
SPECIES	CATCH,		OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	360.00	1560	50.25	
Deania calcea	108.60	120	15.16	
Nezumia sp.	70.20	4170	9.80	
Merluccius paradoxus, female	68.60	88	9.58	2089
RAJIDAE	26.10	120	3.64	
Lophius vomerinus	25.60	8	3,57	2090
ALEPOCEPHALIDAE	18.00	360	2.51	
Yarrella blackfordi	10.50	570	1.47	
Galeus polli	8.10	90	1.13	
Lamprogrammus exutus	7.50	120	1.05	
Hoplostethus melanopus	5.40	180	0.75	
Selachophidium guentheri	4.20	120	0.59	
MYCTOPHIDAE	1.50	120	0.21	
Bathylagus glacilis	0.90	120	0.13	
Stomias boa boa	0.90	120	0.13	
Shrimps, small, non comm.	0.30	420	0.04	
Total	716.40		100.01	

		PROJECT S	TATION: 526
DATE:16/11/94	GEAR TYPE:	BT No:6 POSITION:La	t S 2017
start	stop duration	Lo	ng E 1157
TIME :06:35:00 0	7:05:00 30 (min)	Purpose code: 3	
LOG :3187.70 3	189.40 1.70	Area code : 2	
FDEPTH: 450	449	GearCond.code:	
BDEPTH: 450	449	Validity code:	
Towing dir	: 335" Wire out:125	0 m Speed: 32 kn*10	
Sorted: 132 Kg	Total catch:	460.35 CATCH/HOUR:	920.70

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	297,00	2876	32.26	
Nezumia sp.	194.40	7026	21.11	
Hoplostethus cadenati	105.00	3132	11.40	
Merluccius capensis, female	\$5,80	34	6.06	2092
Merluccius paradoxus, female	48.40	166	5.26	2094
Lophius vomerinus	45.20	30	4.91	2095
Deania profundorum	30.90	30	3.36	
Aristeus varidens	26.70	3060	2.90	
Deania calcea	26.00	6	2.82	
Centrophorus squamosus	25.00	2	2.72	
Helicolenus dactylopterus	23.70	270	2.57	
Galeus polli	15.30	150	1.66	
Merluccius capensis, male	13.00	10	1.41	2091
Epigonus denticulatus	4.20	150	0.46	
Notacanthus sexspinis	3.90	120	0.42	
Merluccius paradoxus, male	3.80	12	0.41	2093
Laemonema laureysi	2.40	30	0.26	
Total	920.70		99.99	

	PRO	JECT STATION	: 627
DATE: 16/11/94 GEAR TY	PE: BT No: POSIT	ION:Lat S	2013
start stop duration		Long E	1205
TIME :08:37:00 09:07:00 30 (min	) Purpose code: 3	•	
LOG :3198.20 3199.80 1.60	Area code : 2		
FDEPTH: 314 309	GearCond.code:		
BDEPTH: 314 309	Validity code:		
Towing dir: 60° Wire out:	960 m Speed: 32 k	n*10	
-	-		
Sorted: 244 Kg Total catch:	651.99 CATCH	/HOUR: 130	3.98
SPECIES		OF TOT. C	SAMP
	weight numbers		
Merluccius capensis, female	631.60 792	48.44	2097
Chlorophthalmus atlanticus	168.20 6710		
Dentex macrophthalmus	144.00 432	11.04	2098
Helicolenus dactylopterus	99.80 4658	7.65	
Merluccius capensis, male	90.20 148	6.92	2096
Trachurus capensis	74.00 184	5.67	2099
Lophius vomerinus	43.00 44	3.30	2100
Galeus polli	18.00 294	1.38	
Bathynectes piperitus	11.80 294	0.90	
Synagrops microlepis	10.00 828	0.77	
Coelorinchus coelorhinc. polli	8.80 404	0.67	
Austroglossus microlepis	2.38 4	0.18	2101
Guentherus altivela	1.20 18	0.09	
CRABS	0.60 36	0.05	
Coelorinchus fasciatus	0.40 18	0.03	

	PROJECT STATION: 628
DATE: 16/11/94 GEAR TY	PE: BT No: POSITION:Lat S 2010
start stop duration	Long E 1214
TIME :10:53:00 11:08:00 15 (min	) Purpose code: 3
LOG : 3209.10 3209.90 0.80	Area code : 2
FDEPTH: 270 264	GearCond.code:
BDEPTH: 270 264	Validity code:
Towing dir: 55* Wire out:	810 m Speed: 32 kn*10
-	-
Sorted: 125 Kg Total catch:	1416.15 CATCH/HOUR: 5664.60
SPECIES	CATCH/HOUR & OF TOT. C SAMP
	weight numbers
Trachurus capensis	4945.60 54912 87.31 2104
Pterothrissus belloci	227.04 4400 4.01
Merluccius capensis, female	185.60 404 3.28 2103
Merluccius capensis, male	175.60 528 3.10 2102

99.99

Total

Merluccius capensis, female	185.60	404	3.29	2103	
Merluccius capensis, male	175.60	528	3.10	2102	
Dentex macrophthalmus	56.32	352	0.99	2106	
Sufflogobius bibarbatus	28.16	3168	0.50		
Lophius vomerinus	17.20	16	0.30	2107	
Galeus polli	15.84	176	0.28		
Synagrops microlepis	8.80	176	0.16		
Austroglossus microlepis	4.44	12	0.08	2105	
Total	5664.50		100.01		

	PROJECT STATION: 629
DATE: 16/11/94 GEAR TY	YPE: BT No: POSITION:Lat S 2007
start stop duration	Long E 1222
TIME :12:38:00 12:58:00 20 (min	n) Purpose code: 3
LOG :3217.60 3218.70 1.10	Area code : 3
FDEPTH: 233 233	GearCond.code:
BDEPTH: 233 233	Validity code:
Towing dir: 70° Wire out:	750 m Speed: 33 kn*10
Sorted: 90 Kg Total catch:	251.79 CATCH/HOUR: 755.37
SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
Trachurus capensis	455.15 9786 61.58 2110
Merluccius capensis, female	130.44 441 17.27 2109
Merluccius capensis, male	65.58 315 8.68 2108
Pterothrissus belloci	30.87 840 4.09
Sufflogobius bibarbatus	19,95 3045 2.64
Synagrops microlepis	13.44 3255 . 1.78
Dentex macrophthalmus	9.00 42 1.19 2113
Squalus megalops	7.98 21 1.06
Austroglossus microlepis	6.15 21 C.81 2111
Lophius vomerinus	3.42 9 0.45 2112
Todaropsis eblanae	2.73 84 0.36
Merluccius capensis, juveniles	0.53 63 0.08 2114
Total	755.34 99.99

DATE: 16/11/94 GEAR TYP	E: BT No:		JECT STATION ION:Lat S	2004
start stop duration TIME :15:51:00 16:04:00 13 (min)				1230
LOG :3228.70 3229.40 0.70 FDEPTH: 156 156	Area code GearCond.	code :		
BDEPTH: 156 156 Towing dir: 360° Wire out:	Validity 550 m Spee		n*10	
Sorted: 44 Kg Total catch:	55.08	CATCH	/HOUR: 2	54.22
SPECIES	CATCH/HO weight nu	mbers	OF TOT. C	SAMP
Merluccius capensis, female Merluccius capensis, male	126.92 59.31	872 535	49.93 23.33	2116 2115
Trachurus capensis Lophius vomerinus	47.08 10.52	572 18	18.52 4.14	2118 2120
Austroglossus microlepis Merluccius capensis, juveniles	5.54 4.85	18 125	2.18	2119 2117
Total	254.22	125	100.01	211,
iocal	234.22		100.01	
		280	JECT STATIO	. 671
DATE:16/11/94 GEAR TY start stop duration	PE: BT No:	POSII	ION:Lat S	1949
TIME :18:08:00 18:23:00 15 (min	) Purpose o Area code			12.50
FDEPTH: 130 130	GearCond.	code:		
BDEPTH: 130 130 Towing dir: 285° Wire out:	Validity 400 m Spee		n*10	
Sorted: 4 Kg Total catch:	4.84	CATCH	I/HOUR:	19.36
SPECIES	weight nu	unbers	OF TOT. C	SAMP
Sufflogobius bibarbatus Merluccius capensis, female	8.00 6.36	88	41.32 32.85	2122
Merluccius capensis, male Trachurus capensis	2.60 2.40	36 20	13.43 12.40	2121
Total	19.36		100.00	
			JECT STATIO	
start stop duration			ION:Lat S Long E	1944 1214
TIME :06:39:00 06:59:00 20 (min LOG :3271.30 3272.30 1.00	) Purpose o Area code	ode:	3	
FDEPTH: 220 222 BDEPTH: 220 222	GearCond. Validity	.code:	•	
Towing dir: 340° Wire out:	650 m Spee	d: 30 )	:n*10	
Sorted: 19 Kg Total catch:	19.40	CATCI	HOUR:	58.20
SPECIES	CDECH (H)		OF TOT. C	SAMP
Merluccius capensis, female	weight nu 20.85			2124
	20.05	00	35.82	2124
Sufflogobius bibarbatus	19.23	3699	33.04	
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis	13.95 3.27	3699 42 27	33.04 23.97 5.62	2123 2125
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis	13.95	42	23.97	
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis	13.95 3.27 0.84	42 27 3	23.97 5.62 1.44	2125
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus	13.95 3.27 0.84 0.03	42 27 3 3	23.97 5.62 1.44 0.05	2125
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis	13.95 3.27 0.84 0.03 0.03	42 27 3 3 3	23.97 5.62 1.44 0.05 0.05 	2125 2126
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY	13.95 3.27 0.84 0.03 0.03	42 27 3 3 3	23.97 5.62 1.44 0.05 0.05 99.99	2125 2126 N: 633 1947
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min)	13.95 3.27 0.84 0.03 0.03 58.20 PE: BT No: ) Purpose (	42 27 3 3 3 3 PR POST	23.97 5.62 1.44 0.05 0.05 99.99 DJECT STATIO FION:Lat S Long E	2125 2126 N: 633 1947
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration	13.95 3.27 0.84 0.03 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond	42 27 3 3 3 3 9 PR POSIT	23.97 5.62 1.44 0.05 0.05 99.99 DJECT STATIO FION:Lat S Long E	2125 2126 N: 633 1947
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 CEAR TY start stop duration TIME :08/43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288	13.95 3.27 0.84 0.03 0.03 58.20 PE: BT No: ) Purpose of Area cod GearCond Validity	42 27 3 3 3 3 9 Post code: code:	23,97 5.62 1.44 0.05 0.05 99.99 DJECT STATIO FION:Lat S Long E 3	2125 2126 N: 633 1947
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY Start stop duration TIME :08:43:00 09:13:0C 30 (min LOG :3281.10 3282.60 1.50	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose of Area codd GearCond Validity 840 m Spec	42 27 3 3 3 3 3 PR POSIT code: code: code: code: code: code: code: code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 3	2125 2126 N: 633 1947
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 EDEPTH: 280 288 Towing dir: 250* Wire out: Sorted: 36 Kg Total catch:	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond Validity 840 m Spec 36.95	42 27 3 3 3 3 9 PR POST POST Code: code: code: code: code: code: code: code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cm+10 H/HOUR:	2125 2126 N: 633 1947 : 1206 73.90
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 BDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 %g Total catch: SPECIES	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod Gearcond Validity 840 m Spet 36.95 CATCH/H	42 27 3 3 3 3 PRI POST code: c	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 3 km*10 H/HOUR:	2125 2126 N: 633 1947 : 1206 73.90 SAMP
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 BDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod Gearcond Validity 840 m Spet 36.95 CATCH/H	42 27 3 3 3 3 PR POSIT code: c	23.97 5.62 1.44 0.05 99.99 99.99 DJECT STATIO FION:Lat S Long E 3 scn+10 H/HOUR: & OF TOT. C 74.70	2125 2126 N: 633 1947 : 1206 73.90 SAMP 2127
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :2281.10 3262.60 1.50 FDEPTH: 280 288 DDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus	13.95 3.27 0.84 0.03 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18	42 27 3 3 3 3 9 PR POST POST code: c	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 kn+10 H/HOUR: C 74.70 12.31 7.01	2125 2126 2126 N: 633 1947 1206 73.90 SAMP 2127 2128
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 EDEPTH: 280 288 Towing dir: 250* Wire out: Sorted: 36 %g Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose of Area codd GearCond Validity 840 m Sper 36.95 CATCH/H weight n 55.20 9.10	42 27 3 3 3 3 POST Code: code:	23.97 5.62 1.44 0.05 99.99 DECT STATIO FION:Lat S Long E Long E 3 Kn+10 H/HOUR: OF TOT. C 74.70 12.31 7.01 3.79	2125 2126 N: 633 1947 : 1206 73.90 SAMP 2127
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 BDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80	42 27 3 3 3 3 9 9051 9051 9051 9051 9051 9051 0051 00	23.97 5.62 1.44 0.05 99.99 DECT STATIO FION:Lat S Long E Long E 3 Kn+10 H/HOUR: OF TOT. C 74.70 12.31 7.01 3.79	2125 2126 N: 633 1947 : 1206 73.90 SAMP 2127 2128 2130
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 BDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, female Merluccius capensis, mile Sufflogobius bibarbatus Trachurus capensis	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62	42 27 3 3 3 3 9 9051 9051 9051 9051 9051 9051 0051 00	23.97 5.62 1.44 0.05 99.99 DJECT STATIO PION:Lat S Long E 3 3 cn*10 H/HOUR: 4 OF TOT. C 74.70 12.3: 7.01 3.79 2.19	2125 2126 N: 633 1947 : 1206 73.90 SAMP 2127 2128 2130
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 BDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, female Merluccius capensis, mile Sufflogobius bibarbatus Trachurus capensis	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62	42 27 3 3 3 9 900 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 3 cn+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00	2125 2126 N: 633 1947 : 1206 73.90 SAMP 2127 2128 2130 2129
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEDEFTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, female Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond Validity 840 m Spet 36.95 CATCH/H weight 55.20 9.10 5.18 2.80 1.62 73.90	42 27 3 3 3 9 PRI POSIT code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 3 cn+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis, male Trachurus capensis Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose of Area codd GearCond Validity 840 m Sper 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No:	42 27 3 3 3 3 20 20 24 5 24 5 24 6 84 18 8 8 8 8 92 24 6 84 18 8 8 92 24 5 8 92 92 24 6 84 18 8 92 92 92 92 92 92 92 92 92 92 92 92 92	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 Kn≠10 H/HOUR: COP TOT. C 74.70 12.31 7.01 100.00 CJECT STATIC TION:Lat S Long E Long E	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281:L0 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :20:42:00 11:12:00 30 (min LOG :3288.200 3290.60 1.70	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose of Area codd GearCond Validity 840 m Sper 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose of Area cod	42 27 3 3 3 POST code: code: code: code: code: 24 684 8 8 8 PR POST code: code	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 sn+10 H/HOUR: A OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIO FION:Lat S 2.19	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY Start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3201.10 3202.60 1.50 FDEPTH: 280 288 DEDETH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY Start stop duration TIME :10:42:00 11:12:00 30 (min LOG :2288.90 3290.60 1.70 FDEPTH: 319 326	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose Area cod GearCond Validity	42 27 3 3 3 POST POST code: code: code: code: 24 684 18 8 8 PR POST code: code	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 Cn+10 H/HOUR: A OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S Long E 3 3	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglosus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:06 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :01:42:00 30 (min LOG :3288.90 3290.60 1.70 PDEPTH: 319 326 DEDEPTH: 319 326	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose 4 Area cod GearCond Validity 840 m Spect 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose Area cod GearCond Validity 960 m Spect	42 27 3 3 3 Position code: code: code: code: code: 24 684 8 8 8 8 8 8 9 22 24 684 8 8 8 9 22 24 684 684 8 8 8 8 9 8 9 8 9 9 8 9 9 9 9 9 9 9 9	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: A OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 2.19 100.00 DJECT STATIC TION:Lat S 3 CDECT STATIC S S S S S S S	2125 2126 N: 633 1947 1206 <b>SAMP</b> 2127 2128 2130 2129 N: 634 5 1949 2120
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY Start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3201.10 3202.60 1.50 FDEPTH: 280 288 DEDETH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY Start stop duration TIME :10:42:00 11:12:00 30 (min LOG :2288.90 3290.60 1.70 FDEPTH: 319 326	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose 4 Area cod GearCond Validity 840 m Spect 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose Area cod GearCond Validity 960 m Spect	42 27 3 3 3 Position code: code: code: code: code: 24 684 8 8 8 8 8 8 9 22 24 684 8 8 8 9 22 24 684 684 8 8 8 8 9 8 9 8 9 9 8 9 9 9 9 9 9 9 9	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: A OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 2.19 100.00 DJECT STATIC TION:Lat S 3 CDECT STATIC S S S S S S S	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglosus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:06 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEDEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :01:42:00 30 (min LOG :3288.90 3290.60 1.70 PDEPTH: 319 326 DEDEPTH: 319 326	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose A Area codd GearCond Validity 840 m Spei 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spei 205.37 CATCH/H	42 27 3 3 3 POSI code: code: code: code: code: code: 24 6B4 18 8 8 POSI code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: A OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 3 S S S S S S S S S S S S S S S	2125 2126 2126 73.90 <b>SAMP</b> 2127 2128 2130 2129 NN: 634 5 1949 2 1230 2129
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEETH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :3288.30 3290.60 1.70 FDEPTH: 319 326 BDEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd Validity 840 m Spec 36.95 CATCH/H weight m Spec 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose Area codd GearCond Validity 960 m Spec 205.37 CATCH/H weight n 162 73.90	42 27 3 3 3 PR POSIT code: code: code: code: code: code: 24 684 18 8 POSIT code: cod	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 scn+10 H/HOUR: C74.70 12.31 7.01 3.79 2.19 100.90 DJECT STATIO FION:Lat S 2.19 100.90 DJECT STATIO FION:Lat S 3 scn+10 H/HOUR: C0 S 3 scn+10 S S S S S S S S S S S S S S S S S S S	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 5 1949 2 1200 N: 634 5 1949 2 1200
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Tratelurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :2288.30 5290.60 1.70 FDEPTH: 319 326 BDEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus	13.95 3.27 0.84 0.03 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose ( Area cod GearCond Validity 960 m Spet 205.37 CATCH/H weight m 169.60 104.00 52.70	42 27 3 3 3 PR: POST code: code: code: code: code: code: 24 684 18 8 POST code: code	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION: Lat S Long E 3 3 kn+10 H/HOUR: DJECT STATIO 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIO TION: Lat S 2.19 100.00 DJECT STATIO SLOP E 3 3 kn+10 H/HOUR: COF TOT. C 41.29 25.32 12.83	2125 2126 2126 N: 633 1947 2127 2128 2130 2129 N: 634 5 1949 2127 2128 2130 2129 N: 634 5 1949 2 1200 410.74 SAMP 2135 2131
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglosus microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:06 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEDETH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration Time :01:42:00 11:12:00 30 (min LOG :3288.90 3290.60 1.70 FDEPTH: 319 326 DEDETH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female DATE:17/11/94 GEAR TY start stop duration Total	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Sper 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose ( Area cod GearCond Validity 960 m Sper 205.37 CATCH/H veight n 169.60 104.00 52.70 34.00 11.50	42 27 3 3 3 Post post code: code: code: code: code: 24 684 18 8 Post code: 24 684 18 8 8 Post code: code: code: code: code: code: code: 24 6 code: cod	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 3 4 NOF TOT. C 74.70 12.32 10.00 CJECT STATIC TION:Lat S 3 3 km+10 H/HOUR: 4 0 OF TOT. C 4 1.09 1.00 2.19 1.00 2.32 3 3 3 8 2.88 2.88 2.8	2125 2126 2126 73.90 <b>SAMP</b> 2127 2128 2130 2129 NN: 634 51949 21200 80N: 634 51949 21200 810.74 <b>SAMP</b> 2132
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 13:12:00 30 (min LOG :3288.10 3:26 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose A Area codd GearCond Validity 840 m Spei 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd CATCH/H weight m Spei 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd CATCH/H weight m Spei 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd CATCH/H Weight m Spei 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd CATCH/H Weight m Spei CATCH/H Validity 960 m Spei 205.37 CATCH/H Weight m Spei 205.37 CATCH/H Weight m Spei 205.37 CATCH/H Spei 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd CATCH/H Spei 2.80 1.62 73.90 PE: BT No: 2.80 1.62 73.90 PE: BT No: 2.80 1.62 73.90 PE: BT No: 2.80 1.62 73.90 84 73.90 74.00 12.50 94.00 12.50 94.00 12.50 9.88	42 27 3 3 3 PR POSIT code: code: code: code: code: code: 24 684 18 8 8 PR POSI code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC FION:Lat S 2.19 100.00 DJECT STATIC FION:Lat S 3 cn+10 H/HOUR: 4 OF TOT. C 10.12 10.00 10.00 2.12 10.00 1	2125 2126 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 2120 2129 N: 634 1949 2120 2129
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :3288.90 3290.60 1.70 FDEPTH: 319 326 DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, male PORTUNIDAE Pterothrissus belloci Austroglossus microlepis Austroglossus microlepis	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose A Area codd GearCond Validity 840 m Spei 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spei 205.37 CATCH/H weight m 162 CATCH/H 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spei 205.37 CATCH/H Weight m 162 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spei 205.37 CATCH/H	42 27 3 3 3 PR POSIT code: code: code: code: code: code: 24 6B4 18 8 8 PR POSI code:	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: * OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 2.19 100.00 DJECT STATIC TION:Lat S 3 cn+10 H/HOUR: * OF TOT. C 4.29 2.5.32 1.83 8.28 2.80 2.41 1.97 1.81	2125 2126 2126 N: 633 1947 2127 2128 2130 2129 N: 634 5 1949 2127 2128 2130 2129 N: 634 5 1949 2 1200 410.74 SAMP 2135 2131
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :2288.30 3290.60 1.70 FDEPTH: 319 326 DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, male PORTWINDE Pterothrissus belloci Austroglossus microlepis Neohariotta pinnata Sufflogobius bibarbatus Lophius vomerinus	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Spec 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose Area codd GearCond Validity 960 m Spec 205.37 CATCH/H veight m 162 0 catch/H 0 catch/H 2.80 1.62 73.90 PE: BT No: ) Purpose Area codd GearCond Validity 960 m Spec 205.37 CATCH/H veight m 169.60 104.00 52.70 34.00 1.50 9.88 8.10 7.44 6.72 2.30	42 27 3 3 3 PR POST code: code	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 scn+10 H/HOUR: C74.70 12.3: 7.01 3.79 2.19 100.00 DJECT STATIO FION:Lat S 2.19 100.00 DJECT STATIO FION:Lat S 2.19 100.00 CJECT STATIO FION:Lat S 2.19 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	2125 2126 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 2120 2129 N: 634 1949 2120 2129
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :2288.30 5290.60 1.70 FDEPTH: 319 326 BDEPTH: 319 326 BDEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, male PORTWINDE Peerothrissus belloci Austroglossus microlepis Neoharriotta pinnata Sufflogobius bibarbatus Lophius vomerinus Solencera africans Synagrops microlepis	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose ( Area cod GearCond Validity 840 m Spet 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose ( Area cod GearCond Validity 960 m Spet 205.37 CATCH/H weight m 169.60 104.00 52.70 34.00 1.50 9.88 8.10 7.44 6.72 2.30 1.76 1.40	42 27 3 3 3 PRM POST code: cod	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION: Lat S Long E Long E Control C 74.70 12.31 7.01 3.79 100.00 DJECT STATIO TION: Lat S 2.19 100.00 DJECT STATIO TION: Lat S 2.19 100.00 DJECT STATIO SLOP E LONG E	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 1200 N: 634 1949 1200 N: 634 2132 2131 2134 2133
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglosus microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:06 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEDETH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Xg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :01:42:00 30 (min LOG :3288.90 3290.60 1.70 FDEPTH: 319 326 DEDETH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female DATE:17/11/94 GEAR TY start stop duration Time :01:42:00 11:12:00 30 (min LOG :3288.90 3290.60 1.70 FDEPTH: 319 326 DEDETH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis, female Dentex macrophthalmus Trachurus capensis, male PORTUNIDAE PLETOTINIAE PLETOTIA DIANE Deter a firicane Sufflogobius bibarbatus Lophius vomerinus Solencera africane Synagrops microlepis Chorophthalmus atlanticus	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose A Area codd GearCond Validity 840 m Spen 36.95 CATCH/H weight m 55.20 9.10 5.2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spen 205.37 CATCH/H weight m 169.60 104.00 52.70 34.00 12.50 9.88 8.10 7.44 6.72 2.30 1.76	42 27 3 3 3 PR POSIT code: cod	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cm+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 3 3 cm+10 H/HOUR: 4 OF TOT. C 74.70 12.31 7.01 3.79 2.19 100.00 DJECT STATIC TION:Lat S 2.09 100.00 DJECT STATIC 1.29 2.19 100.00 DJECT STATIC 1.21 1.61 1.64 0.56 2.43	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 1200 N: 634 1949 1200 N: 634 2132 2131 2134 2133
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :08:43:00 09:13:00 30 (min LOG :3281.10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :3288.90 3290.60 1.70 FDEPTH: 319 326 DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Solenocera africans Synagrops microlepis Chorophtalmus atlanticus Trigla lyra Bassanago albeccens	13.95 3.27 0.84 0.03 58.20 PE: BT No: ) Purpose A Area codd GearCond Validity 840 m Spei 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose A Area codd GearCond Validity 960 m Spei 205.37 CATCH/H weight m 169.60 104.00 52.70 34.00 12.50 9.88 8.10 7.44 6.72 2.30 1.76 1.40 0.64 0.48 0.12	42 27 3 3 3 PR POSIT code: cod	23.97 5.62 1.44 0.05 99.99 DJECT STATIO FION:Lat S Long E 3 3 cn+10 H/HOUR: C74.70 12.31 7.0 12.31 7.0 10.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC C74.70 12.31 7.0 3 3 cn+10 H/HOUR: C74.70 12.31 7.0 3 3 cn+10 H/HOUR: C74.70 12.31 7.0 3 3 cn+10 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 2.19 100.00 CJECT STATIC TION:Lat S 3 3 CT S 1.10 1.10 1.10 1.10 1.10 1.00 2.10 1.00 1.0	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 1200 N: 634 1949 1200 N: 634 2130 2129
Sufflogobius bibarbatus Merluccius capensis, male Trachurus capensis Austroglossus microlepis Chatrabus melanurus Synagrops microlepis Total DATE:17/11/94 GEAR TY start stop duration TIME :00:43:00 09:13:00 30 (min LOG :3281:10 3282.60 1.50 FDEPTH: 280 288 DEPTH: 280 288 Towing dir: 250° Wire out: Sorted: 36 Kg Total catch: SPECIES Merluccius capensis, female Merluccius capensis, male Sufflogobius bibarbatus Trachurus capensis Dentex macrophthalmus Total DATE:17/11/94 GEAR TY start stop duration TIME :10:42:00 11:12:00 30 (min LOG :3288.30 3290.60 1.70 FDEPTH: 319 326 DEPTH: 319 326 Towing dir: 240° Wire out: Sorted: 200 Kg Total catch: SPECIES Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Trachurus capensis Merluccius capensis, female Dentex macrophthalmus Icacion capensis Merluccius capensis	13.95 3.27 0.84 0.03 758.20 PE: BT No: ) Purpose ( Area codd GearCond Validity 840 m Sper 36.95 CATCH/H weight m 55.20 9.10 5.18 2.80 1.62 73.90 PE: BT No: ) Purpose ( Area cod GearCond Validity 960 m Sper 205.37 CATCH/H weight n 169.60 104.00 52.70 34.00 112.50 9.88 8.10 7.44 6.72 2.30 1.76 1.40 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.64 0.65 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.03 0.95 0.03 0.03 0.05 0.0	42 27 3 3 3 PR POST code: code	23.97 5.62 1.44 0.05 99.99 DJECT STATIO TION:Lat S Long E 3 Cn+10 H/HOUR: A OF TOT. C 74.70 12.32 7.01 3.79 2.19 100.00 DJECT STATIO DJECT STATIO SLONG E 3 SLONG E 3 SLONG E 10 H/HOUR: 4 OF TOT. C 74.70 12.32 7.01 3.79 2.19 100.00 DJECT STATIO CJECT STATIO CJECT STATIO 100.00 DJECT STATIO 1	2125 2126 N: 633 1947 1206 73.90 SAMP 2127 2128 2130 2129 N: 634 1949 1200 N: 634 1949 1200 N: 634 2130 2129

DATE:17/11/94 start stop d	GEAR TYPE Suration	S: BT No	POSI	TION:Lat	-	
				Long	Ξ	112
TIME :12:41:00 13:11:00						
	1.70	Area co		3		
FDEPTH: 351 352			nd.code:			
BDEPTH: 351 352			ty code:			
Towing dir: 350°	Wire out:10	J50 m SI	peed: 32	kn*10		
Sorted: 294 Kg Tot	al catch:	568.8	4 CATC	H/HOUR:	133	7.68
SPECIES				N OF TOT.	с	SAM
		eight	numbers			
Merluccius capensis, female		448.00	592			213
Helicolenus dactylopterus		334.00				
Dentex macrophthalmus		332.40				214
Merluccius capensis, male		63.00	112	4.7	1	213
Pterothrissus belloci		40.00	200	2.9	9	
Trachurus capensis		39.20	120	2.9	3	213
Lophius vomerinus		35.70	42	2.6	7	214
Coelorinchus fasciatus		30.00	1160	2.2	4	
Shrimps, small, non comm.		6.40	2160	0.4	8	
Galeus polli		4.80	120	0.3	6	
Austroglessus microlepis		2.18	2	0.1	6	214
PORTUNIDAE		2.00	80	0.1	5	
			••	•••	-	

Total

		PROJECT STAT	CION: 635
DATE: 17/11/94	GEAR TYPE: BT No:	POSITION:Lat	S 1953
start stop d	luration	Long	E 1146
TIME :15:04:00 15:34:00	30 (min) Purpose co	ode: 3	
LOG :3311.60 3313.50	1.90 Area code	: 3	
FDEPTH: 406 406	GearCond.d	code :	
BDEPTH: 406 406	Validity o	code :	
Towing dir: 340°	Wire out:1150 m Speed	i: 33 kn*10	
Sorted: 456 Kg Tot	cal catch: 815.52	CATCH/HOUR:	1631.04
SPECIES	CATCH/HO	UR SOFTOT.	C SAMP

SPECIES	CATCH	/HOUR	N OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	659.40	476	40.43	2144
Helicolenus dactylopterus	550.20	8708	33.73	
Merluccius capensis, male	102.10	174	6.26	2143
Nezumia sp.	71.12	2940	4.36	
Trachyrincus scabrus	49.28	364	3.02	
Todarodes sagittatus	43.68	140	2.68	
Schedophilus huttoni	36.32	14	2.23	
Selachophidium guentheri	31.92	756	1.96	
Lophius vomerinus	21.60	14	1.32	2145
Ruvettus pretiosus	15.30	4	0.94	
Heptranchias perlo	9.42	2	0.58	
Ebinania costaecanarie	9.24	84	0.57	
Hexanchus gríseus	7.72	2	0.47	
Galeus polli	5.88	56	0.36	
Coelorinchus fasciatus	5.04	252	0.31	
Lophius vaillanti	3.30	2	0.20	2146
Laemonema laureysi	2.52	84	0.15	
Coelorinchus coelorhinc. polli	2.24	112	0.14	
RAJIDAE	2.04	2	0.13	
Malacocephalus laevis	1.96	28	0.12	
Aristeus varidens	0.28	364	0.02	
Plesionika sp.	0.28	28	0.02	
Merluccius paradoxus, female	0.20	2	0.01	
Total	1631.04		100.01	

			PROJECT STAT	TION	: 637
DATE: 17/11/94	GEAR TYPE	: BT No:	POSITION:Lat	s	1956
start	stop duration		Long	E	1139
TIME :17:28:00	17:58:00 30 (min)	Purpose co	ode: 3		
LOG :3324.20	3325.90 1.70	Area code	: 3		
FDEPTH: 548	546	GearCond.	:ode:		
BDEPTH: 548	546	Validity o	ode:		
Towing di	r: 335" Wire out:14	00 m Speed	1: 32 kn*10		
		•	•		
Sorted: 105 Kg	Total catch:	646.98	CATCH/HOUR:	129	3.96

SPECIES		(110110	S OF TOT. C	SAMP
SPECIES		HOUR	V OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	354,90	1764		
Hoplostethus cadenati	310.80	9090		
SQUALIDAE	158.40	76	12.24	
Nezumia sp.	146.58	9162	11.33	
Yarrella blackfordi	94.92	10734	7.34	
Merluccius paradoxus, female	85.60	90	6.62	2147
Centrophorus squamosus	30.00	2	2.32	
Notacanthus sexspinis	20.58	210	2.59	
Todarodes sagittatus	17.60	32	1.36	
Lophius vaillanti	13.10	6	1.01	2149
Ebinania costaecanarie	11.76	336	0.91	
RAJIDAE	11.34	126	0.88	
Helicolenus dactylopterus	10.92	168	0.84	
Galeus polli	10.50	84	0.81	
Laemonema laureysi	10.08	210	0.78	
Lithodes ferox	2.30	8	0.18	
Merluccius paradoxus, male	1.46	2	0.11	2148
Aristeus varidens	1.26	168	0.10	
Epigonus denticulatus	1.26	84	0.10	
Chaceon maritae	0.60	2	0.05	
Total	1293.96		100.02	

					P	ROJECT STAT	TON	: 638
DATE:1	7/11/94		GEAR TYPE	: BT No:	POS	ITION:Lat	s	1951
	start	stop	duration			Long	Ę	1133
TIME	:19:13:0	0 19:43:0	0 30 (min)	Purpose	code:	3		
LOG	:3332.60	3334.40	1.80	Area co	ie :	3		
FDEPTH	: 604	613		GearCon	d.code:			
BDEPTH	: 604	613		Validit	y code:			
	Towing	dir: 335*	Wire out:16	00 m Spe	ed: 32	kn*10		

Sorted: 217 Kg	Total	catch:	441.6	3 CATO	CH/HOUR:	883.26
SPECIES			CATCH	/HOUR	S OF TOT.	C SAMP
			weight	numbers		
Merluccius paradoxus,	female		350.90	400	39.7	3 2150
Trachyrincus scabrus			270.60	880	30.6	4
Nezumia sp.			93.94	6908	10.6	4
Yarrella blackfordi			27.72	2574	3.1	4
Todarodes sagittatus			19.58	66	2.2	2
ALEPOCEPHALIDAE			18.70	242	2.1	2
Lamprogrammus exutus			17.82	264	2.0	2
Lophius vomerinus			17.50	10	1.9	8 2152
RAJIDAE			14.74	44	1.6	7
Galeus polli			11.00	132	1.2	5
Schedophilus huttoni			10.56	22	1.2	0
Hoplostethus cadenati			6.82	132	0.7	7
Merluccius paradoxus,	male		5.50	10	0.6	2 2151
Todaropsis eblanae			4.84	88	0.5	5
Notacanthus sexspinis			4.84	88	0.5	5
Chaceon maritae			3.14	8	0.3	6
Ebinania costaecanari	e		3.08	44	0.3	5
NEMICHTHYIDAE			1.98	44	0.2	2
Total			883.26		100.0	3

					PROJECT STAT	TON	: 639
DATE: 1	17/11/94		GEAR TYPE	: BT No:	POSITION: Lat	s	1943
	start	stop	duration		Long	Ē	1132
TIME	:21:09:00	21:39:00	30 (min)	Purpose	code: 3		
105	:3341.70	3343.30	1.60	Area cod	e:3		
FDEPTH	4: 547	543		GearCond	. code:		
BDEPTH	4: 547	. 543		Validity	code:		
	Towing d	ir: 10°	Wire out:14	50 m Spe	ed: 33 kn*10		

Sorted: 153 Kg Total catch	424.3	6 CATC	H/HOUR:	948.72
SPECIES	CATCH	/HOUR	• OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	277.20	1224	32.66	
Merluccius paradoxus, female	152.40	338	17.96	2153
Hoplostethus cadenati	126.72	2816	14.93	
Galeus polli	62.40	576	7.35	
Lophius vomerinus	58.70	24	5.92	2155
Ebinania costaecanarie	32.88	624	3.87	
Todarodes sagittatus	23.70	46	2.79	
Helicolenus dactylopterus	21.60	144	2.55	
Nezumia sp.	21.12	960	2.49	
Yarrella blackfordi	20.64	2160	2.43	
RAJIDAE	14.16	192	1.67	
Deania calcea	11.28	24	1.33	
Merluccius paradoxus, male	10.50	30	1.24	2154
Lithcdes ferox	8.42	16	0.99	
Lophius vaillanti	3.40	2	0.40	2156
Epigonus denticulatus	3.36	72	0.40	
Chaceon maritae	3.14	8	0.37	
Selachophidium guentheri	C.24	24	0.03	
Total	851.86		100.38	

									P	ROJEC	T STAT	CION	: 640
DATE: 1	8/11/	94		GE	AR TYPE:	BT	No:	F	os	ITION	N:Lat	s	1935
	st	art	stop	durat	ion						Long	Е	1133
TIME	:06:3	6:00	07:06:00	30	(min)	Purp	oose	code		3			
LOG	:3364	.90	3366.40	1.50		Area	cod	e	;	3			
FDEPTH	1:	470	475			Gear	Cond	l.cod	le :				
BDEPTH	1:	470	475			Vali	idity	cod	le :				
	Towi	ng di	r: 340°	Wire	out:130	0 m	Spe	ed:	30	kn*1	0		

Sorted: 85 Kg Tot	al catch:	538.8	5 CATO	CH/HOUR:	1077.70
SPECIES		CATCH	/HOUR	S OF TOT.	C SAMP
		weight	numbers		
Trachyrincus scabrus		459.00	3206	42.5	9
Nezumia sp.		135.00	4772	12.5	3
Schedophilus huttoni		117.40	46	10.8	9
Helicolenus dactylopterus		113.10	3274	10.4	9
Merluccius capensis, female		49.30	34	4.5	7 2158
Helicolenus dactylopterus		45.30	300	4.2	0
Raja confundens		34.80	30	3.2	3
Todarodes sagittatus		33.60	120	3.1	2
Lophius vomerinus		30.40	24	2.8	2 2161
Galeus polli		24.30	300	2.2	5
Merluccius paradoxus, female		19.90	104	1.8	5 2160
Ebinania costaecanarie		5.40	150	0.5	0
Merluccius capensis, male		4.30	4	0.4	0 2157
Shrimps, small, non comm.		3.60	1380	0.3	3
Epigonus denticulatus		2.10	180	0.1	9
Merluccius paradoxus, male		0.20	2	0.0	2 2159
Total		1077.70		99.9	8

DATE: 1	6/11/94		CEAD WY	PE: BT No:	PROJECT POSITION:L		
DATEL				FE: 51 80.			
	start	stop	duration		L	ong E	11
TIME	:08:33:0	0 09:03:00	30 (min	) Purpose	code: 3		
LOG	:3374.80	3376.40	1.60	Area coo	i <del>c</del> : 3		
FDEPTH	: 370	367		GearCond	d.code:		
BDEPTH	: 370	367		Validity	/ code:		
	Towing	dir. 10*	Wire out.	1050 m Spe	ed: 30 kn*10		

Sorted: 281 Kg Total catch	. 868.9	0 CATCH	/HOUR:	1737.80
SPECIES	CATCH	/HOUR %	OF TOT.	C SAMP
	weight	numbers		
Helicolenus dactylopterus	688.00	14448	39.59	•
Merluccius capensis, female	349.60	378	20.12	2163
Chlorophthalmus atlanticus	328.80	11674	18.93	2
Coelorinchus fasciatus	140.80	6560	8.10	)
Lophius vomerinus	102.80	108	5.92	2 2164
Merluccius capensis, male	69.60	94	4.0	L 2162
Dentex macrophthalmus	20.80	80	1.20	)
Galeus polli	15.20	400	0.81	7
Lophius vaillanti	10.20	6	0.59	2165
Todarodes sagittatus	5.60	80	0.32	2
Laemonema laureysi	3.20	80	0.18	3
PORTUNIDAE	1.60	80	0.09	<b>)</b>
Synagrops microlepis	1.60	240	0.09	•
Total -	1737.80		100.00	5

	PROJECT STATION: 642
DATE: 18/11/94 GEAR TY	PE: BT No: POSITION:Lat S 1929
start stop duration	Long E 1146
TIME :10:37:00 11:07:00 30 (mir	) Purpose code: 3
LOG :3383.80 3385.40 1.60	Area code : 3
FDEPTH: 335 333	GearCond.code:
BDEPTH: 335 333	Validity code:
Towing dir: 10* Wire out:	970 m Speed: 30 kn*10
Sorted: 134 Kg Total catch:	454.17 CATCH/HOUR: 908.34
SPECIES	CATCH/HOUR & OF TOT. C SAME
	weight numbers
Pterothrissus belloci	402.00 2730 44.26
Merluccius capensis, female	159.40 250 17.55 2167
Dentex macrophthalmus	151.50 720 16.68 2170
Synagrops microlepis	88,50 11610 9,74
Merluccius capensis, male	42.80 80 4.71 2166
Trachurus capancis	15 60 60 1 72

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5 2168
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	1	PROJECT STATIO	N: 643
DATE: 18/11/94 GEAR TY	PE: BT No: PO:	SITION:Lat S	1927
start stop duration		Long E	1156
TIME :12:54:00 13:24:00 30 (mir	) Purpose code:	3	
LOG :3395.60 3397.30 1.70	Area code	: 3	
FDEPTH: 298 294	GearCond.code	:	
BDEPTH: 298 294	Validity code	:	
Towing dir: 80° Wire out:	900 m Speed: 3	3 kn*10	
Sorted: 100 Kg Total catch:	107.84 CA	ICH/HOUR: 2	15.68
			10.00
SPECIES	CATCH/HOUR weight number:	1 OF TOT. C	SAMP
Merluccius capensis, female	116.20 27		2172
	43.04 20		
Dentex macrophthalmus			
Merluccius capensis, male		5 17.48	
Trachurus capensis		8 5.75	2175
Sufflogobius bibarbatus	4.02 63		
Pterothrissus belloci		4 0.57	
PORTUNIDAE		4 0.22	
Austroglossus microlepis		2 0.20	2173
OPHICHTHIDAE		6 0.06	
Merluccius capensis, juveniles		4 0.02	2174
Solenocera africana	0.00	8	

Total

215.68

	PROJECT STATION: 644
DATE:18/11/94 GEAR TY	PE: BT No: POSITION:Lat S 1923
start stop duration	Long E 1203
TIME :14:42:00 15:12:00 30 (min	) Purpose code: 3
LOG :3403.30 3404.90 1.60	Area code : 3
FDEPTH: 261 253	GearCond.code:
BDEPTH: 261 253	Validity code:
Towing dir: 62° Wire out:	850 m Speed: 32 kn*10
Sorted: 90 Kg Total catch:	90.69 CATCH/HOUR: 181.38
SPECIES	CATCH/HOUR & OF TOT. C SAMP
	weight numbers
Merluccius capensis, female	112.30 334 61.91 2178
Marluonius appendis male	FF 00 108 30 87 3177

Merluccius capensis, female	112.30	334	61.91	2178
Merluccius capensis, male	56,00	198	30.87	2177
Trachurus capensis	7.80	48	4.30	2181
Sufflogobius bibarbatus	3.70	6890	2.04	
Dentex macrophthalmus	1.52	8	0.84	2180
Merluccius capensis, juveniles	0.06	4	0.03	2179
Total	181.38		99.99	

								P	ROJECT	STAT	NOIS	: 545
DATE: 18/	11/94			GE	EAR TYP	E: BT	No:	POS	ITION:	Lat	s	1919
	start	: st	op	durat	ion					Long	Ē	1210
TIME :1	6:28:0	0 16:	58:00	30	(min)	Pur	ose	code:	3	-		
LOG :3	412.20	341	3.90	1.70	) .	Area	coo	le :	3			
FDEPTH:	203	3	198			Geal	Cond	d.code:				
BDEPTH:	203	3	198			Val:	idity	code:				
Т	Cowing	dir:	350-	Wire	out:	650 m	Spe	ed: 32	kn*10			
Sorted	1: 60	Kg	То	tal c	atch:	28	2,57	CAT	сн/нои	R:	56	5.14

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Trachurus capensis	454.86	6540	80.49	2184
Merluccius capensis, female	68.28	532	12.08	2183
Merluccius capensis, male	20.08	158	3.55	2182
Chatrabus melanurus	11.86	102	2.10	
Sufflogobius bibarbatus	9.34	2046	1.65	
Total	564.42		99.87	

								P	ROJEC	C STAT	NOIN	: 646
DATE :	18/11/9	4		GEA	R TYPE:	BT	No:	POS	ITION	Lat	s	1841
	sta	rt	stop	durati	on					Long	E	1121
TIME	:23:30	:00 3	24:00:00	30	(min)	Purp	ose c	ode:	3	-		
LCG	:3472.	20	3473.60	1.40		Area	code	:	3			
FDEPT	H: 5	50	568			Gear	Cond.	code:				
BDEPT	H: 5	50	568			Vali	dity	code:				
	Towin	g di	r: 10°	Wire	out:146	0 m	Spee	d: 31	kn*10	)		
Sor	ted: 24	6 Kg	To	tal ca	tch:	727	.83	CAT	сн/но	UR:	145	5.66

SPECIES	CATCH	/HOUR	N OF TOT. C	SAMP
	weight	numbers		
Trachyrincus scabrus	412.10	2132	28.31	
Merluccius capensis, female	335.40	890	23.04	2186
Scyliorhinus capensis	327.50	84	22.51	
Nezumia sp.	95.68	3666	6.57	
Helicolenus dactylopterus	43.16	182	2.96	
RAYS	38.48	104	2.64	
Ebinania costaecanarie	37.44	52	2.57	
Merluccius paradoxus, female	32.40	22	2.23	2187
Galeus polli	32.24	78	2.21	
Lophius vomerinus	27.10	8	1.86	2189
Lophius vaillanti	20.20	6	1.39	2188
Todarodes sagittatus	18.98	26	1.30	
ALEPOCEPHALIDAE	10.40	26	0.71	
Deania quadrispincsum	7.10	2	0.49	
Merluccius capensis, male	5.30	22	0.36	2185
Chaceon maritae	4.80	12	0.33	
Yarrella blackfordi	4.42	468	0.30	
Hoplostethus cadenati	2.08	182	0.14	
Selachophidium guentheri	0.78	26	0.05	
Total	1455.66		99,97	

					PROJECT ST	ATION: 6	547
DATE:19	/11/94		GEAR TYPE	E: BT No:	POSITION:Lat	S 18	836
	start	stop	duration		Lon	g E 11	124
TIME :	05:38:00	07:08:00	30 (min)	Purpose c	ode: 3	-	
LOG :	3492.30	3493.90	1.60	Area code	: 3		
FDEPTH:	440	458		GearCond.	code:		
BDEPTH:	440	458		Validity	code:		
	Towing o	dir: 10*	Wire out:12	200 m Spee	d: 32 kn*10		
Sorte	d: 226	(a To	tal catch:	698.12	CATCH/HOUR:	1396.3	24

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Galeus polli	734.40	720	52.60	
Merluccius capensis, female	170.40	118	12.20	2190
Helicolenus dactylopterus	115.84	1024	8.30	
Nezumia sp.	81.92	4652	5.87	
Merluccius paradoxus, female	77.00	264	5.51	2192
Trachyrincus scabrus	63.36	640	4.54	
Lophius vomerinus	57.10	38	4.09	2194
Hoplostethus cadenati	20.16	1312	1.44	
Shrimps, small, non comm.	16.00	4992	1.15	
RAJIDAE	8.64	15	0.62	
Epigonus denticulatus	8.16	1312	0.58	
Chlorophthalmus atlanticus	7.36	32	0.53	
Lophius vaillanti	7.10	4	0.51	2195
Coelorinchus coelorhinc, polli	6.40	32	0.46	
Yarrella blackfordi	5.92	336	C.42	
Merluccius capensis, male	5,00	6	C.36	2191
Etmopterus lucifer	3.68	16	0.26	
Ebinania costaecanarie	3.68	80	0.26	
Laemonema laureysi	1.60	144	0.11	
Merluccius paradoxus, male	1.30	8	0.09	2193
Selachophidium guentheri	0.64	16	0.05	
Chaceon maritae	0.58	8	0.04	
Total	1396.24		99.99	

			PROJECT STAT	TION: 648
DATE: 19/11/94	GEAR TYP	E: BT No:	POSITION:Lat	S 1833
start	stop duration		Long	E 1127
TIME :08:36:00 0	9:06:0C 30 (min)	Purpose co	de: 3	
LOG :3500.20 3	501.70 1.50	Area code	: 3	
FDEPTH: 308	322	GearCond.c	ode:	
BDEPTH: 308	322	Validity c	ode:	
Towing dir	: 360" Wire out:	930 m Speed	: 33 kn*10	
Sorted: 271 Kg	Total catch:	929.01	CATCH/HOUR:	1858.02

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	1320.80	1634	71.09	2196
Helicolenus dactylopterus	210.40	3950	11.32	
Merluccius capensis, male	197.32	280	10.62	2197
Galeus polli	27.02	578	1.45	
Lophius vaillanti	19.50	8	1.05	2199
Pterothrissus belloci	18.26	96	0.98	
Coelorinchus coelorhinc. polli	15.80	810	0.85	
Squalus megalops	12.58	34	0.68	
Lophius vomerinus	7.78	10	0.42	2198
Chlorophthalmus atlanticus	7.30	206	0.39	
PORTUNIDAE	5.74	124	0.31	
Dentex macrophthalmus	5.18	20	0.28	2200
Synagrops microlepis	5.06	438	0.27	
Trigla lyra	3.28	14	0.18	
Aristeus varidens	0.82	478	0.04	
Trachurus capensis	0.54	6	0.03	
Coelorinchus matamua	0.40	20	0.02	
Laemonema laureysi	0.14	28	0.01	
Total	1858.02		99.99	

		PROJECT STAT	CION: 649
DATE: 19/11/94	GEAR TYPE: BT No:	POSITION;Lat	S 1831
start stop	duration	Long	E 1134
TIME :10:47:00 11:02:00	15 (min) Purpose o	ode: 3	
LOG :3510.10 3511.00	0.90 Area code	: 3	
FDEPTH: 220 210	GearCond.	code:	
BDEPTH: 220 210	Validity	code:	
Towing dir: 85*	Wire out: 650 m Spee	d: 36 kn*10	
Sorted: 299 Kg To	stal catch: 321.46	CATCH/HOUR:	1285.84

SPECIES	CATCH	I/HOUR	V OF TOT. C	SAMP
	weight	numbers		
Merluccius capensis, female	466.40	1252	36.27	2201
Dentex macrophthalmus	220.20	1164	17.12	2204
Trachurus capensis	215.00	1280	16.72	2203
Merluccius capensis, male	109.40	488	8.51	2202
Pterothrissus belloci	103.80	812	8.07	
Synagrops microlepis	67.20	5536	5.23	
Chlorophthalmus atlanticus	32.96	1504	2.56	
Squalus megalops	32.60	112	2.54	
Trigla lyra	10.28	48	0.80	
Helicolenus dactylopterus	9.12	96	0.71	
Raja miraletus	8.60	12	0.67	
Lophius vomerinus	4.96	4	0.39	2205
Todarodes sagittatus	3.12	8	0.24	
PORTUNIDAE	2.16	56	0.17	
Austroglossus microlepis	0.04	4		
Total	1285.84		100.00	

	P	ROJECT STATIO	: 650
DATE: 19/11/94 GEAR TY	PE: BT No: POS	ITION:Lat S	1830
start stop duration		Long E	1139
TIME :12:16:00 12:40:00 24 (min	) Purpose code:	3	
LOG :3516.80 3518.00 1.20	Area code :		
FDEPTH: 182 179	GearCond.code:		
BDEPTH: 182 179	Validity code:		
Towing dir: 80* Wire out:	600 m Speed: 30	kn*10	
Sorted: 150 Kg Total catch:	701.98 CAT	CH/HOUR: 17	54.95
SPECIES	CATCH/HOUR	S OF TOT. C	SAMP
	weight numbers		
Trachurus capensis	1002.50 14750		2209
Merluccius capensis, female	232.93 1040		2206
Synagrops microlepis	165.00 21800		
Dentex macrophthalmus	135.00 950		2210
Merluccius capensis, male	62.50 395	3.56	2205
Todarodes sagittatus	36.00 50	2.05	
Chlorophthalmus punctatus	34.50 2500	1.97	
Pterothrissus belloci	28.50 150	1.62	
Sufflogobius bibarbatus	28.00 800	1.60	
PORTUNIDAE	22.50 100	1.28	
Lophius vomerinus	4.90 8		
Austroglossus microlepis	2.63 5	0.15	2207

99.99

											T STA		
DATE:	1971	11/94			GEA	AR TYP:	E: BT	No:	POS	ITION	:Lat	s	1827
		start	. 51	cop	durati	lon					Long	Ē	1144
TIME	:13	3:43:0	0 14	16:00	33	(min)	Purp	ose	code :	3			
LOG	: 35	523.80	35:	25.60	1.80		Area	code	e :	3			
FDEPT:	H:	138		139			Gear	Cond	.code:				
BDEPT	н:	138		139			Vali	dity	code:				
	т	owing	dir:	360"	Wire	out: 3	500 m	Spee	ed: 33	kn*l	0		

Total

SPECIES	CATCH	/HOUR	S OF TCT. C	SAMP
	weight	numbers		
Dentex macrophthalmus	3621.67	36811	70,61	2214
Trachurus capensis	1325.00	25407	25.83	2213
Merluccius capensis, female	84.16	675	1.64	2212
Merluccius capensis, male	35.98	256	C.70	2211
Chelidonichthys capensis	33.40	64	C.65	
Sufflogobius bibarbatus	21.53	707	C.42	
Trigla lyra	5.78	33	C.11	
PORTUNIDAE	1.29	129	C.03	
Total	5128.81		99.99	

				PROJECT STA	TION: 552
DATE: 19/13	1/94	GEAR TYPE	: BT No:	POSITION:Lat	S 1813
5	start stop	duration		Long	E 1148
TIME :16:	:00:00 16:30:00	C 30 (min)	Purpose co	de: 3	
LCG : 353	39.10 3540.60	1.50	Area code	: 3	
FDEPTH:	72 63		GearCond.c	ode:	
BDEPTH:	72 63		Validity c	ode:	
Tov	wing dir: 360*	Wire out: 3	00 m Speed	: 30 kn*10	
Sorted:	72 кд та	otal catch:	1770.71	CATCH/HOUR:	3541.42
COPCIEC			Cherry (Horr		<b>a</b> (1)10

SPECIES	CATCH	/HOUR	N OF TOT. C	SAMP	Total
	weight	numbers			
Trachurus cap <del>e</del> nsis	3316.00	137048	93.63	2215	
Chelidonichthys capensis	102.12	346	2.88		
Etrumeus whiteheadi	44.40	1430	1.25	2217	
Spondyliosoma cantharus	43.40	50	1.23		
Chelidonichthys queketti	15.78	50	C.45		
Zeus faber	8.38	50	0.24		
Dentex macrophthalmus	7.40	98	C.21	2216	
Engraulis capensis	3.94	198	C.11	2218	
Total	3541.42		100.00		

	start		duration	PE: BT No:	POSITION:Lat Long		180 113
					Tong	F	
	B:10:00 1	0.40.00					773
		10:40:00	30 (min)	) Purpose co	de: 3		
LOG : 3!	554.20 3	3555.80	1.60	Area code	: 3		
FDEPTH:	199	213		GearCond.c	:ode:		
BDEPTH:	199	213		Validity o	:ode:		
Т	owing dir	c: 270°	Wire out:	600 m Speed	1: 31 kn*10		

SPECIES	CATCH	/HOUR	I OF TOT. C	SAMP
	weight	numbers		
Chlorophthalmus atlanticus	523.60	1712	24.96	
Dentex macrophthalmus	306.00	2652	14.59	2222
Helicolenus dactylopterus	217.60	2788	10.37	
Synagrops microlepis	187.68	25024	8.95	
Pterothrissus belloci	172.72	1836	8.23	
Raja leopardus	170.00	68	8.10	
Trachurus capensis	153.68	1708	7.33	2223
RAJIDAE	122.40	136	5.83	
Merluccius capensis, female	85.00	266	4.05	2219
Trigla lyra	75.48	476	3,60	
Merluccius capensis, male	25.20	94	1.20	2220
Squalus megalops	22.44	68	1.07	
Lophius vomerinus	9.40	10	0.45	2221
PORTUNIDAE	8.84	680	0.42	
Chatrabus melanurus	7.48	68	0.36	
Lepidopus caudatus	6.12	68	0.29	
Sepia australis	2.04	204	0.10	
Austroglossus microlepis	1.36	136	0.06	
Engraulis capensis	0.58	68	3.03	
Total	2097.72		99.99	

		PRO.	JECT STATIO	
DATE: 20/11/94 GEAR T	PE: BT No:		ION:Lat S	
start stop duration	175. DI NO		Long E	
TIME :06:31:00 07:01:00 30 (mi:		e code: 3	Long E	1150
LOG :3581.50 3583.00 1.50	Area c			
FDEPTH: 302 287		nd.code:		
BDEPTH: 302 287		ty code:		
Towing dir: 360° Wire out:			*70	
ioning dir boo mire but				
Sorted: 156 Xg Total catch	: 390.7	О САТСН,	HOUR: 7	91.40
				SAMP
SPECIES	CATCH, w <del>c</del> ight	numbers	OF TOT. C	SAMP
Malian)anun dostulanterus	312.30	5542	39.97	
Helicolenus dactylopterus Merluccius capensis, female	248.00	330	39.97	2224
Coelcrinchus coelorhinc. polli	67.32	3186	8.62	2224
Dentex macrophthalmus	25.74	108	3.29	
Lophius vomerinus	19,60	24	2.51	2226
Chlorophthalmus atlanticus	17.64	468	2.26	2220
Galeus polli	17.46	306	2.23	
Squalus megalops	16.38	36	2.10	
Merluccius capensis, male	16.20	28	2.07	2225
Trigla lyra	9.54	54	1.22	
Pterothrissus belloci	9.36	36	1.20	
Synagrops microlepis	6.66	558	0.85	
PORTUNIDAE	6.48	234	0.83	
Laemonema laureysi	5.76	126	0.74	
Aristeus varidens	2.34	936	0.30	
Lophius vaillanti	0.58	2	0.07	2227
Total -	781.36		100.00	

					P	ROJECT STAT	TION	: 655
DATE: 2	20/11/94		GEAR TYPE:	BT NO:	POS	ITION:Lat	s	1807
	start	stop d	uration			Long	E	1126
TIME	:08:14:00	08:44:00	30 (min)	Purpose	code:	3		
LOG	:3588.50	3590.10	1.60	Area con	le :	3		
FDEPTH	H: 470	475		GearCond	d.code:			
BDEPTH	H: 470	475		Validity	code:			
	Towing di	ir: 360° 1	Wire out:125	0 m Spe	ed: 30	kn*10		

Sorted: 152 Kg Total catch:	932.5	7 CATO	H/HOUR:	1865.14
SPECIES	CATCH	/HOUR	OF TOT.	C SAMP
	weight	numbers		
Trachyrincus scabrus	824.60	6634	44.2	1
SQUALIDAE	266.60	62	14.2	9
Hoplostethus cadenati	173.60	7750	9.3	1
Nezumia sp.	93.00	4030	4.9	9
Lophius vaillanti	90.86	25	4.8	7 2232
Helicolenus dactylopterus	89.90	744	4.8	2
Merluccius capensis, female	71.50	76	3.8	3 2228
Chaceon maritae	43.00	185	2.3	1
Merluccius paradoxus. female	37.00	64	1.9	8 2233
Squalus megalops	34.10	62	1.8	3
Aristeus varidens	27.28	268	1.4	6
Lophius vomerinus	25.00	12	1.3	4 2231
Merluccius polli, female	24.60	30	1.3	2 2230
RAJIDAE	24.18	62	1.3	0
Yarella blackfordi *	23.56	1240	1.2	6
Epigonus denticulatus	8.68	434	0.4	7
Merluccius capensis, male	5.20	4	0.2	8 2229
Ebinania costaecanarie	1.86	62	0.1	0
NEMICHTHYIDAE	0.62	62	0.0	3
	1865.14		100.0	0

DATE: 20/11/94 GEAR TY	E: BT No:		JECT STATI	s 1759
start stop duration TIME :09:58:00 10:28:00 30 (min)	Purpose	code:		E 1124
LOG :3597.10 3598.60 1.50 FDEPTH: 320 322	Area coo GearCono	de : 3 d.code:	3	
BDEPTH: 320 322 Towing dir: 340° Wire out:	Validity	y code:	n*10	
Sorted: 155 Kg Total catch:				753.72
2				
SPECIES		numbers	OF TOT. C	SAMP
Helicolenus dactylopterus Merluccius capensis, female	312.00 169.30	4786 190	41.39 22.46	2234
Galeus polli Lophius vomerinus	53.00 46.10	660 38	7.03 6.12	2236
Coelorinchus coelorhinc. polli	40.20	1620 38	5.33 4.60	2235
Merluccius capensis, male Laemonema laureysi	34.70 27.40	440	3.64	44,33
Squalus megalops Hoplostethus cadenati	15.00 12.60	20 2800	1.99 1.67	
Lophius vaillanti Shrimps, small, non comm.	10.80 9.40	4 5640	1.43 1.25	2237
Synagrops microlepis Zeus faber	8.40 8.CO	520 20	1.11 1.06	
PORTUNIDAE	3.40	100	0.45	
Chlorophthalmus atlanticus Nezumia sp.	2.40	60 40	0.32 0.08	
Chaceon maritae	0.42	2	0,06	
Total	753.72		99.99	
			DJECT STATI	
start stop duration	PE: BT No:		TION:Lat Long	E 1120
TIME :11:29:00 11:44:00 15 (min LOG :3604.20 3605.00 0.80		code: . de :	3	
FDEPTH: 555 605 BDEPTH: 555 605	GearCon Validit	d.code:		
Towing dir: 360* Wire out:	L500 m Sp	eed: 26 1	kn*10	
Sorted: 100 Kg Total catch:	824.84	CATC	H/HOUR: 3	3299.36
SPECIES	CATCH/	HOUR	OF TOT. C	SAMP
Trachyrincus scabrus	weight 1316.00		39,89	
Deania profundorum Nezumia sp.	800.80 370.72	224 13776	24.27 11.24	
Notacanthus sexspinis	159.04	1120	4.62	
Merluccius paradoxus, female Helicolenus dactylopterus	145.20 82.80	132 448	4.40 2.51	2239
Scymnodon squamulosus Lophius vomerinus	63.84 60.40	112 16	1.93 1.83	2240
Lophius vaillanti Hoplostethus cadenati	55.20 53.76	16 1792	1.67 1.63	2241
Bathyuroconger vicinus	36.96 34.80	1120 40	1.12	2238
Merluccius polli, female Chaceon maritae	25.76	112	1.05	
Trachurus capensis Lamprogrammus exutus	22.40 20.16	336 448	0.68 0.61	2242
Alepocephalus sp. Deepwater fish mixture	19.04 16.80	1232 560	0.58 0.51	
Ebinania costaecanarie	13.44	224	0.41	
NEMICHTHYIDAE	2.24	224 112	0.07	
			0.41 0.07 100.00	
NEMICHTHYIDAE	2.24	112	0.07	
NEMICHTHYIDAE	2.24	112 PR	0.07	
DATE: 20/11/94 GEAR TY start stop duration	2.24 3299.36 PE: BT No:	PR POSI	0.07 100.00 OJECT STATI TION:Lat Long	
NEMICHTHYIDAE Total DATE:20/11/94 GEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60	2.24 3299.36 PE: BT No: ) Purpose Area co	PR POSI code: de :	0.07 100.00 OJECT STATI TION:Lat Long 3	\$ 1750
NEMICHTHYIDAE Total DATE:20/11/94 CEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon Validit	PR POSI code: de : d.code: y code:	0.07 100.00 OJECT STATJ TION:Lat Long 3 3	\$ 1750
NEMICHTHYIDAE Total DATE:20/11/94 GEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FOEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330° Wire out:	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 750 m Sp	PR POSI code: de : d.code: y code: eed: 32	0.07 100.00 OJECT STATI TION:Lat Long 3 3 kn*10	S 1750 E 1126
NEMICHTHYIDAE Total DATE:20/11/94 CEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 750 m Sp	PR POSI code: de : d.code: y code: eed: 32	0.07 100.00 OJECT STATI TION:Lat Long 3 3 kn*10	\$ 1750
NEMICHTHYIDAE Total DATE:20/11/94 GEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FOEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330° Wire out:	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 750 m Sp 1905.78	PR POSI de : d.code: y code: eed: 32 CATC	0.07 100.00 OJECT STATI TION:Lat Long 3 3 kn*10	s 1750 E 1125 3811.56
NEMICHTHYIDAE Total DATE:20/11/94 GEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330° Wire out: Sorted: 193 Kg Total catch: SPECIES	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon Validit 750 m Sp 1905.78 CATCH/ weight	PR POSI code: de : d.code: y code: eed: 32 CATC HOUR numbers	0.07 100.00 OJECT STATJ TION:Lat Long 3 3 kn*10 H/HOUR: 3 4 OF TOT. 0	S 1750 E 1126 3811.56 C SAMP
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY start stop duration TIME :13:25:00 13:55:00 30 (min LOG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330* Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon Validit 750 m Sp 1905.78 CATCH/ weight 729.26 624.08	PR POST de : d.code: y code: eed: 32 CATC HOUR numbers 1454 9508	0.07 100.00 oJECT STATJ TION:Lat Long 3 3 kn*10 H/HOUR: : 1 OF TOT. ( 19.13 16.37	S 1750 E 1126 3811.56 C SAMP
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NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 3:55:00 30 (min LGG :3614.50 3616.10 1.60 FDEPTH: 236 238 DEPTH: 236 238 Towing dir: 330° Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus stlanticus Merluccius capensis Dentex macrophthalmus Squalus megalops Pterothrissus belloci Trigla lyra Synagrops microlepis Myperoglyphe moselli Coelorinchus coelorbinc. polli Mystriophis rostellatus Lophius vomerinus Total DATE: 20/11/94 GEAR TY Start stop duration TIME :15:26:00 35:05:00 30 (min LOG ::3626.20 3628.10 1.90 FDEPTH: 157 167 Towing dir: 360° Wire out:	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 750 m Sp 1905.78 CATCH/ weight 729.26 624.08 513.88 401.58 255.20 111.36 107.88 75.40 17.40 4.64 3811.56 PE: BT No: ) Purpose Area co GearCon validit 600 m Sp 2571.03 CATCH/	112 PR POSI de : de : y code: eed: 32 1454 9508 1454 160 1972 1740 696 464 464 580 7308 1160 2088 116 2088 116 2088 116 6 6 6 9 POSI 16 2088 116 2086 116 20 20 20 20 20 20 20 20 20 20 20 20 20	0.07 	<pre>\$ 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 2247 2245 5 1749 E 1134</pre>
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NEMICHTHYIDAE Total DATE: 20/11/94 GEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LGG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Toving dir: 330° Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Merluccius capensis Dentex macrophthalmus Squalus megalogs Pterothrissus belloci Trigla lyra Synagrops microlepis Myperoglyphe moselii Coelorinchus coelorbinc. polli Mystriophis rostellatus Lophius vomerinus Total DATE: 20/11/94 GEAR TY start stop duration TIME :15:26:00 15:56:00 30 (min LGG :3626.20 3628:10 1.90 FDEPTH: 157 167 Towing dir: 360° Wire out: Sorted: 74 Kg Total catch: SPECIES Dentex macrophthalmus Trachurus capensis, female	2.24 3299.36 PE: BT No: ) Purpose Area co GearCom validit 750 m 52 1905.78 CATCH/ weight 729.26 624.08 513.88 481.58 481.58 481.58 481.58 481.58 481.58 481.58 481.58 481.58 481.58 481.58 75.40 4.64 3812.56 PE: BT No: ) Furpose Area co GearCon Validit 76.40 4.64 3812.56 PE: BT No: ) Furpose Area co GearCon Validit 600 m Sp 2571.03 CATCH/ Weight 1821.60 CATCH/ State 2571.03 CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State CATCH/ State State CATCH/ State	112 PR POSI Code: d.code: d.code: d.code: d.code: 1454 9508 1454 160 1972 1740 696 464 580 7308 1166 2088 1166 2088 116 696 464 580 7308 126 696 464 580 7308 126 696 464 580 7308 126 696 464 580 7308 126 740 740 7508 7508 126 126 126 126 126 126 126 126	0.07 0.07 100.00 oJECT STATJ TION:Lat Long 3 kn*10 H/HOUR: 10F TOT.0 19.13 16.37 13.48 12.63 10.90 0.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 3 2.07 1.98 C.46 C.12 10C.00 OJECT STATJ TION:Lat Long 3 kn*10 H/HOUR: 4 0.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.49 C.46 C.12 10C.00 0.46 C.12 10C.00 0.46 C.46 C.12 10C.00 0.46 C.46 C.12 10C.00 0.46 C.46 C.12 10C.00 0.46 C.46	S 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 ION: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251 2249
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LoG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Toving dir: 330' Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Merluccius capensis Dentex macrophthalmus Squalus megalops Pterothrissus belloci Trigla lyra Synagrops microlepis Myperoglyphe moselii Coclorinchus coclorhinc. polli Mystriophis rostellatus Lophus vomerinus Total DATE: 20/11/94 CEAR TY Start stop duration TIME :15:26:00 15:56:00 30 (min LOG :3626.20 3628.10 1.90 FDEPTH: 157 167 Towing dir: 360' Wire out: Sorted: 74 Kg Total catch: SPECIES	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 729.26 624.08 513.88 481.56 PE: BT No: ) Purpose Area co GearCon validit 600 m Sp 2571.03 CATCH/W weight 1821.60 1801.80	112 PR POSI code: d.code: d.code: y code: eed: 32 1454 9508 1454 9508 1454 18322 1740 696 464 580 7308 116 2088 126 696 464 580 7308 116 2088 126 696 464 580 7308 126 2088 126 696 464 580 7308 126 2088 126 2088 126 2088 126 2088 126 2088 127 2088 126 126 127 127 127 127 127 127 127 127	0.07 0.07 100.00 oJECT STATJ TION:Lat Long 3 kn*10 H/HOUR: : 10.7 13.48 12.63 10.90 7.49 6.70 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 3 0.7 10.00 0.00 0.7 10.00 0.7 10.00 0.00 0.7 10.00 0.00 0.7 10.00 0.	<pre>\$ 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2247 2245 2245 2245 1001: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251</pre>
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 3:55:00 30 (min LGG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330° Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Merluccius capensis Dentex macrophthalmus Squalus megalops Pterothrissus belloci Trigla lyra Synagrops microlepis Myperoglyphe moselii Coelorinchus coelorhinc. polli Mystriophis rostellatus Lophius vomerinus Total DATE: 20/11/94 CEAR TY Start stop duration TIME :15:26:00 310 (min LGG :3626.20 3628.10 1.90 FDEPTH: 157 167 Towing dir: 360° Wire out: Sorted: 74 Kg Total catch: SPECIES Dentex macrophthalmus Trachurus capensis, female Merluccius capensis, female Merluccius capensis, male Pterothrissus belloci Trachurus capensis, female Merluccius capensis, male Pterothrissus belloci	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon validit 750 m Sp 1905.78 CATCH/ weight 729.26 624.08 401.58 401.58 401.58 401.58 405.28 255.20 111.36 112.36 255.20 257.03 CATCH/ weight 1821.08 CATCH/ weight 1821.08 CATCH/ 257.03 CATCH/ 277.03 CATCH/	112 PR POSI code: de : 1. code: y code: eed: 32 CATC HOUR 1454 95008 1832 1454 95008 1832 1454 95008 1832 1454 95008 1832 1972 1740 6956 464 5800 7308 1166 2088 1166 2088 1166 695 464 5800 7308 1166 696 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1972 1740 695 464 5800 7308 1166 1072 2088 1166 1072 2088 1166 1072 2088 1166 1072 2088 1166 1072 2088 1166 1072 2088 1167 10788 10788 1078 10788 1078 10788 1	0.07 0.07 100.00 OJECT STAT1 TION:Lat Long 3 kn*10 H/HOUR: 1 10.07 10.10 10	S 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 ION: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251 2249
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 3:55:00 30 (min LGG :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 Towing dir: 330° Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus stlanticus Merluccius capensis Dentex macrophthalmus Squalus megalops Pterothrissus belloci Trigla 1yra Synagrops microlepis Myperoglyphe moselii Coelorinchus coelorhinc. polli Mystriophis rostellatus Lophius Vomerinus Total DATE: 20/11/94 GEAR TY Start stop duration TIME :15:26:00 15:56:00 30 (min LGG :3626.20 3628.10 1.90 FDEFTH: 157 167 Towing dir: 360° Wire out: Sorted: 74 Kg Total catch: SPECIES Dentex macrophthalmus Trachurus capensis, female Merluccius capensis, femal	2.24 3299.36 PE: BT No: ) Purpose Area co Gearcon validit 750 m Sp 1905.78 CATCH/ weight 729.26 624.08 415.28 41	112 PR POSI code: de : de : de : code: de : code: de : code: de : code: de : code: de : code: de : code: de : code: de : code: logo code: logo code: code: logo code: c	0.07 0.07 100.00 0.02CT STAT) TION:Lat Long 3 kn*10 H/HOUR: 1 105, 10 105, 105, 105 105, 105, 105, 105, 105, 105, 105, 105,	S 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 ION: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251 2249
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min LGG :3614.50 3616.10 1.60 FDEPTH: 236 238 DEPTH: 236 238 Towing dir: 330' Wire out: Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Merluccius capensis Dentex macrophthalmus Synagrops microlepis Myperoglyphe moselii Coclorinchus coclorhinc. polli Mystriophis rostellatus Lophius vomerinus Total DATE: 20/11/94 CEAR TY TIME :15:26:00 15:56:00 30 (min LOG :15:26:00 15:56:00 1.90 FDEPTH: 157 167 TOWing dir: 360' Wire out: Sorted: 74 Kg Total catch: SPECIES Dentex macrophthalmus Trachurus capensis, female Merluccius capensis, male Trachurus capensis Merluccius capensis, female Merluccius capensis, male Pterothrissus belloci Trachurus capensis Merluccius capensis, male Pterotrissus belloci Trajal ayra Synagrops microlepis	2.24 3299.36 PE: BT No: ) Purpose GearCon validit 750 m Sp 1905.78 CATCH/ weight 513.88 401.58 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 11.36 11.36 11.36 11.36 107.88 78.88 75.40 17.40 4.64 4.64 55.10 PE: BT No: ) Purpose Area co GearCon validit 600 m Sp 2571.03 CATCH/ weight 1821.60 1821.60 1853.88 277.03 CATCH/ weight 1822.60 1853.88 277.03 CATCH/ Weight 1821.60 1853.62 192.61 1853.62 192.61 193.88 10.38	112 PR POSI code: d.code: d.code: d.code: d.code: d.code: d.code: de: 1454 9508 1454 9508 1454 9508 1454 9508 1454 9508 1160 1972 1740 6956 464 580 7308 1166 2088 116 2088 116 2088 116 2088 126 2088 126 2088 126 2088 127 2088 127 2088 127 2088 128 128 128 128 128 128 128 1	0.07 0.07 100.00 0JECT STATJ TION:Lat Long 3 kn*10 H/HOUR: : 10.7 13.48 12.63 10.90 7.49 6.70 2.92 2.83 2.07 1.98 C.45 C.12 100.00 0JECT STATJ TION:Lat Long 3 kn*10 H/HOUR: : 4.05 TOT. 0 0JECT STATJ 10.37 1.05 0.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.92 2.93 3.07 1.05 0.7 1.05	S 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 ION: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251 2249
NEMICHTHYIDAE Total DATE: 20/11/94 CEAR TY Start stop duration TIME :13:25:00 13:55:00 30 (min log :3614.50 3616.10 1.60 FDEPTH: 236 238 BDEPTH: 236 238 DEPTH: 236 238 Sorted: 193 Kg Total catch: SPECIES Merluccius capensis, female Helicolenus dactyloptrus Chlorophthalmus atlatnicus Merluccius capensis Dentex macrophthalmus Synagrops microlepis Myperoglyphe moselii Coelorinohus coelorbinc. polli Mystriophis rostellatus Lophus vomerinus Total DATE: 20/11/94 CEAR TY start stop duration TIME :15:26:00 15:56:00 30 (min LOG :3626.20 3628.10 1.90 FDEPTH: 157 167 Towing dir: 360 <sup>c</sup> Wire out: Sorted: 74 Kg Total catch: SPECIES Dentex macrophthalmus Trachurus capensis, female Merluccius capensis, female Pterothrissus belloci Trachurus capensis Merluccius capensis, female Pterothrissus belloci Trajal yra Synagrops microlepis Chatrabus melanurus	2.24 3299.36 PE: BT No: ) Purpose Area co GearCon vidit 750 m Sp 1905.78 CATCH/ weight 513.88 401.58 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 415.28 255.30 11.36 11.36 107.88 78.88 75.40 17.40 4.64 3811.56 PE: BT No: ) Purpose Area co GearCon validit 600 m Sp 2571.03 CATCH/ weight 1801.80 853.38 217.80 158.40 158.40 158.40 158.40 158.40 158.40 159.	112 PR POSI code: d.code: d.code: d.code: d.code: d.code: d.code: d.code: d.code: 1454 9508 1454 9508 11832 1160 1972 1740 6956 464 5800 1972 1740 6956 11832 1162 1972 1740 6956 1062 107 1062 107 1062 107 107 107 107 107 107 107 107	0.07 0.07 100.00 0JECT STATJ TION:Lat Long 3 kn*10 H/HOUR: 10.10 10.1	S 1750 E 1126 381156 C SAMP 2244 2243 2244 2243 2245 ION: 659 S 1749 E 1134 5142.06 C SAMP 2250 2251 2249

DATE: 20/11/94 GEAR TY	PE: BT No:		ECT STATION ON:Lat S	1732
start stop duration TIME :17:55:00 18:25:00 30 (min	Purpose	code: 3	Long E	1136
LOG :3643.50 3645.00 1.50 FDEPTH: 115 112	Area cod GearCond			
BDEPTH: 115 112 Towing dir: 360° Wire out:	Validity	code:	*10	
Sorted: 62 Kg Total catch:		CATCH/		5.68
SPECIES	CATCH/H weight :	umbers	OF TOT. C	SAMP
Trachurus capensis Dentex macrophthalmus	681.60 679.20	27974 9120	47.15 46.98	2255 2254
Merluccius capensis, female Merluccius capensis, male	50.40 17.20	228 96	3.49 1.19	2252 2253
Trigla lyra	5.76	48 96	0.40	
Sepia australis Helicolenus dactylopterus	2.40	48	0,17	
Etrumeus whiteheadi Todaropsis eblanae	2.40	48 48	0.17 0.13	2256
Austroglossus microlepis	0.96	48	0.07	2257
Total	1445.68		100.02	
		PRO	ECT STATION	4: 661
DATE:21/11/94 GEAR TY start stop duration	PE: BT No:			1725
TIME :06:34:00 07:04:00 30 (mir			Long C	11.57
LOG :3672.30 3673.80 1.50 FDEPTH: 141 145	GearCond			
BDEPTH: 141 145 Towing dir: 340* Wire out:	Validity 430 m Spa		*10	
Sorted: 97 Kg Total catch:	958,74	CATCH,	HOUR: 19	17.48
SPECIES	CATCH/1	HOUR	OF TOT. C	SAMP
Dentex macrophthalmus	weight n		54.61	2263
Trachurus capensis	519.52 106.76	7072	27.09	2262
Trigla lyra Merluccius capensis, female	104.30	442	5.57 5.44	2259
Merluccius capensis, male Merluccius capensis, male	38.50 35.36	216 476	2.01 1.84	2258 2260
Merluccius capensis, female Pterothrissus belloci	32.64 24.48	340 612	1.70 1.28	2261
Synagrops microlepis Merluccius capensis, juveniles	7.48 0.58	1292 68 2	0.39	2264
Galeichthys feliceps	0.56	2	0.03	
Total	1917.48		100.00	
Damp- 21 (11 (94 (252 D)	VDC. PT No.		JECT STATIO	
DATE:21/11/94 CERR T start stop duration TIME :08:17:00 08:47:00 30 (min LOC :3680.70 3682.20 1.50 FDEFTH: 245 268 BDEFTH: 245 268 Towing dir: 290* Wire out: Sorted: 303 Kg Total catch	n) Purpose Area co GearCon Validit : 750 m Spe	code: 3 de :3 d.code: y code: eed: 32 ki		1724 1125
start stop duration TIME :08:17:00 08:47:00 30 (min LOC :3680.70 3682.20 1.50 FDEPTH: 245 268 BDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch	n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54	code: 3 de : 3 d.code: y code: eed: 32 ki CATCH	Long E n*10 /HOUR: 26	1125 07.08
start stop duration TIME (08:17:00 08:47:00 30 (min LOG :3680.70 3682.20 1.50 FDEPTH: 245 268 BDEPTH: 245 268 Towing dir: 290* Wire out: Sorted: 303 Kg Total catch	n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54 CATCH/ weight	code: 3 de : 3 d.code: y code: geed: 32 ki CATCH, HOUR L	Long E n*10 /HOUR: 26 OF TOT. C	1125 07.08 SAMP
start stop duration TIME 1081.71:00 081.47:00 30 (min Loc :3680.70 3682.20 1.50 FDEPTH: 245 268 DDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus	n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54 CATCH/ weight 928.36 377.12	code: 3 de : 3 d.code: y code: eed: 32 ki CATCH, HOUR L numbers 1768 2744	Long E n*10 /HOUR: 26 OF TOT. C 35.61 14.47	1125 07.08 SAMP
start stop duration TIME 10817:00 08:47:00 30 (min Loc :3680.70 3682.20 1.50 FDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus	n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40	code: 3 de : 3 d.code: y code: eed: 32 ki CATCH, HOUR <b>1</b> numbers 1758 2744 6802 1006	Long E n*10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61	1125 07.08 SAMP
start stop duration TIME 10817:00 08:47:00 30 (min LOC :3680.70 3682.20 1.50 FDEPTH: 245 268 Towing dir: 290* Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex mergalops Merluccius capensis, male	n) Purpose Area co GearCon validit : 750 m Sp : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 199.94	code: 3 de : 3 d.code: y code: eed: 32 kn CATCH, HOUR 1768 2744 6802 1006 726 550	Long E n*10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67	1125 07.08 SAMP 2265
start stop duration TIME 1081.7:00 08:47:00 30 (min LOG :3680.70 3682.20 1.50 FDEPTH: 245 268 Towing dir: 290* Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci	<ul> <li>n) Purpose Area co GearCon validit     </li> <li>750 m Sp: 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 199.94 155.20 141.90         </li> </ul>	code: 3 de : 3 d.code: y code: eed: 32 ki CATCH, HOUR \$ 1768 2744 6802 1006 726 550 12314 852	Long E h*10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44	1125 07.08 SAMP 2265 2268
start stop duration TIME 10817:00 08:47:00 30 (min LOC :3680.70 3682.20 1.50 FDEPTH: 245 268 DDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci Trigla lyra	n) Purpose Area co GearCon validit 750 m Sp: : 1303.54 CATCH/ weight 928.36 377.12 275.20 24.40 215.80 199.94	code: 3 de : 3 d.code: y code: eed: 32 ki CATCH, HOUR 1768 2744 6802 1006 726 550 12314	Long E h*10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95	1125 07.08 SAMP 2265 2268
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start stop duration TIME 10817:00 08:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DOETH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Malacoephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi LCG :3690.00 3691.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactyloptrus	<pre>n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54</pre>	code: 3 de : 3 de : 3 code: y code: py code: 2744 6802 1788 2744 6802 1201 1214 852 120 1214 852 120 1214 852 120 1214 852 120 134 852 120 134 853 104 1748 854 104 1748 106 243 94 34 34 94 1 PRO 1 POSIT code: 3 d. code: 3 d. code: 17472 1220 318	Long E Long E /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.83 0.45 0.42 0.40 0.37 0.35 0.30 0.20 100.02 JECT STATIO ION:Lat S Long E n*10 /HOUR: 17 OF TOT. C 19.94 18.80 18.59	1125 07.08 SAMP 2265 2265 2266 2266 2266 2266 2266 226
start stop duration TIME 10817:00 08:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DOETH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactyloptrus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synarops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Malacoephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi LCG :3690.00 3691.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactyloptrus Heruncius capensis, female Trachyrincus scabrus	n) Purpose Area co GearCon Validit : 750 m Sp: : 1303.54 Validit : 250 m Sp: : 1303.54 Validit : 2205.20 224.40 215.80 199.94 155.20 224.40 21.68 10.58 10.58 10.4C 9.54 9.02 7.74 5.24 1.98 1.12 2607.08 VPE: BT No: N) Purpose Area co GearCon Validit :1250 m Sp : 863.01 CATCH/ Weight 344.24 324.48 324.48 324.96 284.96 122.20	code: 3 de : 3 de : 3 code: 2 y code: 2 2 1788 2744 6802 1006 726 550 12314 6802 1006 726 550 12314 6802 1006 726 550 12314 812 812 812 812 812 812 812 812 812 812	Long E Long E A=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.83 0.45 0.45 0.41 0.30 0.20 0.30 0.20 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.80 16.51 7.08	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2269  1124 : 1118 226.02 SAMP 2271
start stop duration TIME 10817:00 08:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chiorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Syngrops microlepis Pterothrissus belloci Trigla 1yra Hyperoglyphe moselii Caleus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Malacocephalus laevis Total DATE:21/11/94 CEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LCC :3690.00 3691.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactylopterus Merluccius capensis, female Trachurus scabrus Nezumia sp.	<pre>n) Purpose Area co GearCon Validit : 750 m Sp : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 141.90 21.68 10.58 10.4C 9.54 9.02 7.74 5.24 1.98 1.12 2607.08 YPE: BT No: n) Purpose Area co GearCon Validit :1250 m Sp : 863.01 CATCH/ weight 344.24 324.48 320.80 28.96 122.20</pre>	code: 3 de : 3 de : 3 code: y code: ed: 32 kr CATCH, HOUR t 1788 2744 6802 1201 12314 850 12314 850 12314 834 1738 104 1738 16 243 94 34 34 34 94 1738 16 243 94 8 34 34 34 1788 178 178 178 178 178 178 178 178 17	Long E Long E A=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.83 0.45 0.45 0.45 0.45 0.45 0.30 0.37 0.35 0.30 0.30 0.30 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.80 18.59 16.51	1125 07.08 SAMP 2265 2266 2266 2266 2266 2269 2269 : 1124 : 1118 226.02 SAMP
start stop duration TIME 10817:00 03:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus datylopterus Chiorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synarops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Malacocephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LOG :3690.00 3691.60 1.60 FDEPTH: 430 433 EDEPTH: 430 433 EDEPTH	<pre>n) Purpose Area co GearCon Validit : 750 m Sp: : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 199.94 155.20 141.90 21.68 11.86 10.58 10.4C 9.54 9.02 7.74 5.24 1.98 1.12 2607.08 YPE: BT No: n) Purpose Area co GearCon Validit :1250 m Sp : 863.01 CATCH/ weight 344.24 324.48 284.96 122.20 116.40 68.50</pre>	Code: 3 de : 3 de : 3 code: y code: py code: 1784 2744 6802 1006 726 550 12314 852 120 184 104 1738 16 243 94 8 34 34 34 34 34 34 34 34 34 34 34 34 34	Long E Long E +=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.33 0.45 0.45 0.41 0.37 0.35 0.30 0.20 0.34 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.80 16.59 16.51 7.08 6.74 3.97 3.86	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2266 226
start stop duration TIME 10817:00 03:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 BDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Raja miraletus Austroglossus microlepis Malacocephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LOG :3690.00 3691.60 1.60 FDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadensti Helicolenus dactylopterus Merluccius capensis, female Trachyrincus scabrus Mezumia sp. Merluccius palanti Merluccius palanti	<pre>n) Purpose Area co GearCon Validit : 750 m Sp: : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 199.94 155.20 145.20 155.20 21.68 10.58 10.58 10.58 10.4C 9.54 9.02 7.74 5.24 1.98 1.12 2607.08 YPE: BT No: n) Purpose Area co GearCon Validit :1250 m Sp : 863.01 CATCH/ weight 344.24 324.48 224.96 224.96 CATCH/ weight 344.24 324.46 0 68.50 66.56 44.60 13.00</pre>	code: 3 de : 3 de : 3 code: 2 y code: 2 y code: 2 1788 2744 6802 1006 726 550 12314 852 120 1314 852 120 1314 852 120 134 8 34 34 34 34 34 9 4 8 34 34 9 9 4 8 34 34 9 9 4 8 34 34 9 9 9 4 8 34 34 9 9 9 4 8 34 34 34 34 34 34 34 34 34 34 34 34 34	Long E Long E +=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.33 0.45 0.42 0.37 0.37 0.37 0.30 0.20 0.04 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.80 6.74 3.97 3.86 2.58 0.75	1125 07.08 SAMP 2265 2268 2266 2266 2266 2266 2266 2266
start stop duration TIME 10817:00 03:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DOETH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synarops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Raja miraletus Austroglossus nicrolepis Malacoephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi LGC :3690.00 3591.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactylopterus Herluccius capensis, female Trachyrincus scabrus Mezuucius polli, female Merluccius pollinti Helicolenus datlanti Merluccius capensis, male Ebinania costecanarie Chlorophtalmus atlanticus	<pre>n) Purpose Area co GearCon Validit : 750 m Sp; : 1303.54</pre>	code: 3 de : 3 de : 3 code: 2 y code: 2 rate: 32 kr cATCH, HOUR 1 rate: 32 rate: 32	Long E Long E A=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.33 0.45 0.41 0.37 0.37 0.30 0.20 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.80 6.74 19.95 16.51 7.08 5.75 0.54 0.21	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2269 2269
start stop duration TIME 10817:00 03:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DOEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Raja miraletus Austroglossus microlepis Malacocephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LGC :3690.00 3591.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactylopterus Merluccius palante Henuccius poli, female Trachyrincus scabrus Meznuccius poli, female Chaceon maritae Lophius vaillanti Merluccius capensis, male Ebinania costecanarie Chlorophtalmus atlanticus Laemorema laureysi	n) Purpose Area co GearCon Validit : 750 m Sp: : 1303.54 VEX. 225.20 224.40 215.80 199.94 155.20 224.40 215.80 199.94 155.20 141.90 21.68 10.58 10.40 9.54 9.02 7.74 5.24 1.95 1.12 2607.08 VPE: BT No: associated and a carcon Validit :1250 m Sp : 863.01 CATCH/ Weight 324.26 324.96 122.20 116.40 68.50 66.56 44.60 13.00 9.36 3.64 3.64 3.64 3.64 3.64	code: 3 de : 3 de : 3 code: 2 y code: 2 y code: 1788 2744 6802 1006 726 726 726 726 726 726 726 726 726 72	Long E Long E h=10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.33 0.41 0.37 0.35 0.30 0.20 100.02 JECT STATIO ION:Lat S Long E n=10 /HOUR: 17 OF TOT. C 19.94 18.59 15.51 7.08 5.74 19.94 18.59 15.51 7.08 5.74 19.94 18.59 15.51 7.08 5.74 19.94 18.59 15.51 7.08 5.74 19.94 18.59 15.51 7.08 5.74 19.94 17.08 5.74 19.94 17.08 5.74 19.94 18.59 15.51 7.08 5.74 19.94 17.08 5.74 19.94 17.08 5.74 17.08 5.74 19.94 18.59 15.51 7.08 5.74 19.9	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2269 2269
start stop duration TIME 10817:00 08:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DDEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chiorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Syngrops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Malacocephalus laevis Total DATE:21/11/94 CEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LCC :3690.00 3691.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactylopterus Merluccius paladous, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Coelois capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Trachures capensis, female Chiocophthalmus atlanticus Leenonema laureysi Deepvater fish mixture Lepidopus caudatus	n) Purpose Area co Gearcon Validit; : 750 m Sp; : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 199.94 155.20 141.90 21.68 10.58 10.58 10.58 10.58 10.58 10.58 10.42 9.54 9.02 7.74 5.24 1.98 1.12 2607.08 YPE: BT No: n) Purpose Gearcon Validit :1250 m Sp : 863.01 CATCH/ weight 324.48 320.80 66.56 44.60 13.00 9.36 3.64	code: 3 de : 3 de : 3 code: 2 y code: y code: 1788 2744 6802 178 756 756 756 756 756 756 756 756 756 756	Long E Long E (HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.83 0.45 0.45 0.45 0.45 0.30 0.30 0.30 0.30 0.30 0.30 100.02 JECT STATIO ION:Lat S Long E n*10 /HOUR: 17 OF TOT. C 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 18.80 18.59 7.08 5.74 19.94 19.94 19.94 19.94 19.94 19.94 19.94 19.94 19.94 19.94 10.51 7.08 5.75 5.74 10.51 7.08 5.75 5.74 10.51 7.08 5.75 5.74 10.51 7.08 5.75 5.74 10.51 7.08 5.74 5.74 10.51 7.08 5.74 5	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2269 2269
start stop duration TIME 10817:00 03:47:00 30 (mi) LOC :3680.70 3682.20 1.50 PDEPTH: 245 268 DOEPTH: 245 268 Towing dir: 290° Wire out: Sorted: 303 Kg Total catch SPECIES Merluccius capensis, female Helicolenus dactylopterus Chlorophthalmus atlanticus Dentex macrophthalmus Squalus megalops Merluccius capensis, male Synagrops microlepis Pterothrissus belloci Trigla lyra Hyperoglyphe moselii Galeus polli Aristeus varidens Mustelus palumbes Coelorinchus coelorhinc. polli Trachurus capensis Raja miraletus Austroglossus microlepis Malacocephalus laevis Total DATE:21/11/94 GEAR T start stop duration TIME :10:29:00 10:59:00 30 (mi) LGC :3690.00 3591.60 1.60 FDEPTH: 430 433 DDEPTH: 430 433 DDEPTH: 430 433 Towing dir: 360° Wire out Sorted: 304 Kg Total catch SPECIES Hoplostethus cadenati Helicolenus dactylopterus Merluccius palante Henuccius poli, female Trachyrincus scabrus Meznuccius poli, female Chaceon maritae Lophius vaillanti Merluccius capensis, male Ebinania costecanarie Chlorophtalmus atlanticus Laemorema laureysi	<pre>n) Purpose Area co GearCon Validit : 750 m Sp: : 1303.54 CATCH/ weight 928.36 377.12 275.20 224.40 215.80 14.90 21.68 11.86 10.58 10.4C 9.54 9.02 7.74 5.24 1.98 1.98 1.98 1.0.4C 9.54 9.02 7.74 5.24 1.98 1.22 2607.08 YPE: BT No: n) Purpose Area co GearCon Validit :1250 m Sp : 863.01 CATCH/ weight 344.24 324.48 226 226 226 226 226 226 226 226 226 22</pre>	Code: 3 de : 3 de : 3 de : 3 code: y code: pred: 32 kr numbers 1788 2744 6802 1006 726 550 12314 852 120 18 104 726 550 12314 852 120 18 104 726 550 12314 852 120 18 104 726 550 12314 852 120 12314 852 120 123 14 853 104 17472 1	Long E Long E +10 /HOUR: 26 OF TOT. C 35.61 14.47 10.56 8.61 8.28 7.67 5.95 5.44 0.45 0.45 0.45 0.41 0.37 0.35 0.30 0.20 0.08 0.04 100.02 JECT STATIO ION:Lat S Long E n*10 /HOUR: 17 OF TOT. C 19.94 18.80 16.59 15.51 7.08 5.74 3.97 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 7.08 15.51 7.08 15.74 15.51 15.51 15.51 7.08 15.74 15.51 7.08 15.74 15.51 7.08 15.74 15.51 7.08 15.74 15.51 15.51 7.08 15.74 15.51 15.51 7.08 15.74 15.51 1	1125 07.08 SAMP 2265 2266 2266 2266 2266 2266 2269 2269

Total

DATE: 21/11/94 GEAR T			ROJECT STATIO	N: 664
start stop duration	YPE: BT No:		TION:Lat S Long E	1733
TIME :13:31:00 14:01:00 30 (mi LOG :3707.00 3708.70 1.70	n) Purpose	code: de :	3	1120
FDEPTH: 412 474 BDEPTH: 412 474	GearCon	d.code:	5	
Towing dir: 345° Wire out	:1250 m Sp	y code: eed: 34	kn*10	
Sorted: 264 Kg Total catch	1: 1549.42	CAT	H/HOUR: 30	98.84
SPECIES	CATCH/		S OF TOT. C	SAMP
Hoplostethus cadenati	weight 1380.30	numbers 55986	44.54	
Helicolenus dactylopterus Trachyrincus scabrus	530.62 417.10	2580 2580		
Merluccius capensis, female Nezumia sp.	321.20 132.44	316 4300		2276
Coelorinchus braueri Laemonema laureysi	64.50 59.34	516 344	2.08	
Lophius vomerinus Epigonus denticulatus	49.80 46.44	20 602	1.61	2280
Lophius vaillanti	31.10 29.80	16	1.00	2279 2278
Merluccius polli, female Merluccius capensis, male	21.80	40 26	0.70	2275
Merluccius paradoxus, female	14.40	26		2277
Total	3098.84		99.98	
		PI	ROJECT STATIO	N: 665
DATE:21/11/94 GEAR T start stop duration	YPE: BT No:	205	TION:Lat S Long E	
TIME :15:58:00 16:04:00 6 (mi LOG :3720.50 3720.80 0.30	n) Purpose	code: de :	3	
FDEPTH: 176 176 BDEPTH: 176 176	GearCon	d.code:	-	
Towing dir: 345° Wire out	: 600 m Sp	eed: 3	kn*10	
Sorted: 40 Kg Total catch	475.74	CATO	CH/HOUR: 47	57.40
SPECIES	CATCH/		% OF TOT. C	SAMP
Trachurus capensis	weight 2800.00	51860		2284
Dentex macrophthalmus Chlorophthalmus atlanticus	856.00 362.00	7200 33800	7.61	2282
Merluccius capensis, female Synagrops microlepis	202.90 188.00	790 27000	3.95	2280
Helicolenus dactylopterus Mustelus palumbes	144.00	3600 200	3.03	
Merluccius capensis, male SCORPAENIDAE	38.50	180 400	0.81	2281
Trigla lyra Sepia australis	28.00 18.00	600 400	0.59	
Pterothrissus belloci	16.00	200	0.34	
Total -	4757.40		100.01	
		51	ROJECT STATIO	N. 666
	YPE: BT No:		TION:Lat S	1907
TIME :04:21:00 04:51:00 30 (mi	n) Purpose	code:	Long E	1123
LOG :3810.80 3812.00 1.50 FDEPTH: 549 550	GearCon	de : d.code:	3	
BDEPTH: 549 550 Towing dir: 350° Wir <del>c</del> out	Validit 1450 m Sp	y code: eed: 31	kn*10	
Sorted: 295 Kg Total catch	1: 698.42	CATO	H/HOUR: 13	96.84
SPECIES	CATCH/		S OF TOT. C	SAMP
Trachyrincus scabrus	weight 537.70	2316	38.49	
Merluccius paradoxus, female Nezumia sp.	416.90 162.26	1098 4124	29.85 11.62	2285
Raja confundens Lophius vomerinus	76.00 60.80	76 22	5.44 4.35	
SQUALIDAE Helicolenus dactylopterus	42.32	16		2289
Irachurus capensis	31.16	342		2289
Meriuccius paradoxus, male	31.16 17.10 16.70		2.23	2289 2290 2283
Yarrella blackfordi	17.10	342 228	2.23 1.22 1.20 0.82	2290
Yarrella blackfordi Epigonus telescopus Lophius vaillanti	17.10 16.70 11.40 5.70 4.14	342 228 86 1938 38 2	2.23 1.22 1.20 0.82 0.41 0.30	2290
Varrella blackfordi Epigonus telescopus Lophius vaillanti Trachipterus jacksonensis Laemonema laureysi	17.10 16.70 11.40 5.70 4.14 3.54 2.28	342 228 86 1938 38 2 2 38	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16	2290 2283
(arrella blackfordi Spigonus telescopus Jophius vaillanti Trachipterus jacksonensis Laemonema laureysi Dinania costaecanarie Taja caudaspinosa	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28	342 228 86 1938 38 2 2 38 76 38	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16	2290 2283
Yarrella blackfordi Epigonus telescopus Lophius vaillanti Irachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinosa Joplostethus cadenati	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28	342 228 86 1938 38 2 2 38 76	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16	2290 2283
<prella blackfordi<br="">Spigonus telescopus Lophius vaillanti Irachipterus jacksonensis Laemonema laureysi Dinania costaecanarie Raja caudaspinosa Hoplostethus cadenati Herluccius polli, female</prella>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28	342 228 86 1938 38 2 2 38 76 38 380	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16	2290 2283 2287
<prella blackfordi<br="">Spigonus telescopus Lophius vaillanti Irachipterus jacksonensis Laemonema laureysi Dinania costaecanarie Raja caudaspinosa Hoplostethus cadenati Herluccius polli, female</prella>	17.10 16.70 11.40 5.70 4.14 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.2	342 228 86 1938 38 2 2 38 76 38 380 2	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14	2290 2283 2287 2286
<pre>karrella blackfordi Epigonus telescopus Lophius vaillanti Trachipterus jacksonensis Laemonem laureysi Ebinania costaecanarie Raja caudaspinosa Hoplostethus cadenati Herluccius polli, female Total .DATE: 22/11/94 GEAR T</pre>	17.10 16.70 11.40 5.70 4.14 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.2	342 228 86 1938 30 2 2 30 76 38 380 2 2	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 2286 N: 667 1904
<pre>karrella blackfordi Epigonus telescopus Lophius vaillanti Trachipterus jacksonensis Laemonem laureysi Ebinania costaecanarie Raja caudaspinosa Hoplostethus cadenati terluccius polli, female Total .DATE:22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.00 1396.84 "YPE: BT No: r.) Purpose	342 228 866 1938 38 2 2 38 380 2 91 POS2 code:	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 2286 N: 667 1904
<pre>karrella blackfordi Epigonus telescopus Cophius vaillanti Irachipterus jacksonensis Laemonema laureysi Ebinania costaeconarie Raja caudaspinosa doplostethus cadenati Merluccius polli, female rotal .DATE:22/11/94 GEAR T start stop duration</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.00 1396.84 "YPE: BT No: r.) Purpose	342 228 866 1938 2 2 38 76 38 380 2 91 Poss rcode: ccode:	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 2286 N: 667 1904
<pre>carrella blackfordi Epigonus telescopus Lophius vaillanti Irachigterus jacksonensis Laemonema laureysi Ebinania costaecanarie taja caudaspinosa Hoplostethus cadenati Herluccius polli, female Total .DATE: 22/11/94 GEAR T start stop duration TIME : 06:134:00 07:04:00 30 (mi LOG : 3822.10 3823.10 1.50 FDEPTH: 350 354</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.20 1396.84 YPE: BT No: n:) Purpose Area co GearCom Validit	342 228 86 1938 38 2 2 38 380 76 380 380 2 PPOS: code: d.code: d.code:	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.14 99.99 ROJECT STATIO TION:LAL S Long E 3 3	2290 2283 2287 2286 2286 N: 667 1904
<pre>carrella blackfordi Expigonus telescopus Lophius vaillanti Trachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie taja caudaspinosa Hoplostethus cadenati Merluccius polli, female Total DATE: 22/11/94 GEAR T start stop duration TIME : 06: 34:00 07:04:00 30 (mi LOG : 3822.10 3823.10 1.50 FDEPTH: 350 354 BDEPTH: 350 354 Towing dir: 340* Wire out</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.00 1396.84 "YPE: BT No: n.) Purpose Area co GearCon validit :1000 m Sp	342 228 86 1938 38 2 2 38 76 38 380 2 9052 code: de : d.code: y code: y code:	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.14 99.99 KOJECT STATIO TION:LAL S LONG E 3 Kn*10	2290 2283 2287 2286 \$
<pre>carrella blackfordi Epigonus telescopus .ceptius vaillanti trachipterus jacksonensis .aemonema laureysi binania costaecanarie taja caudaspinosa toplostethus cadenati Merluccius polli, female .DATE: 22/11/94 GEAR T .DATE: 22/</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.00 1396.84 TYPE: BT No:   Purpose Area co GearCon validit :1000 m Sp  157.64	342 228 86 1938 38 2 2 38 76 38 380 2 9052 Code: 4c.code: y code: y code: code: 32 CATC	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 N: 667 1904 1128
<pre>carrella blackfordi Epigonus telescopus .copius vaillanti Trachipterus jacksonensis .aemonema laureysi Dinania costaecanarie taja caudaspinosa Moplostethus cadenati Merluccius polli, female rotal .DATE: 22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :3822.10 3823.10 1.50 FDEPTH: 350 354 DOEPTH: 350 354 Towing dir: 340* Wire out Sorted: 61 Kg Total catch SPECLES</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.28 1396.84 TYPE: BT No: n:) Purpose Area co GearCon validit :1000 m Sp 157.64 CATCH/ weight	342 228 86 1938 38 2 2 38 76 38 380 2 9052 Code: d.cod	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 \$
<pre>carrella blackfordi Epigonus telescopus .ophius vaillanti Drachipterus jacksonensis .aemonema laureysi binania costaecanarie taja caudaspinosa loplostethus cadenati terluccius polli, female rotal .DATE: 22/11/94 CEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :: 3822.10 3623.10 1.50 FDEPTH: 350 354 BDEPTH: 350 354 Toving dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus terothrissus bel.oci</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 1396.84 TPE: BT No: n.) Purpose Area co GearCon validit :1000 m Sp 1: 157.64 CATCH/ weight 100.80 84.00	342 228 86 1938 38 2 2 38 76 6 38 380 2 2 9052 7 6 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 38 7 6 6 38 2 2 2 2 2 38 7 6 6 38 2 2 2 2 8 38 7 6 6 38 7 6 2 2 2 8 38 7 6 5 2 2 2 8 38 7 6 5 7 8 7 6 6 38 7 7 8 7 6 7 8 7 7 8 7 6 7 8 7 7 6 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 7 8 7 7 8 7 7 8 7	<pre>2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16</pre>	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP
<pre>carrella blackfordi Epigonus telescopus .ophius vaillanti Trachipterus jacksonensis .aemonema laureysi binania costaecanarie taja caudaspinosa ioplostethus cadenati derluccius polli, female rotal .DATE:22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :3822.10 3823.10 1.50 FDEPTH: 350 354 DOEPTH: 350 354 Towing dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Pterothrissus belicci derluccius capensis. female chlorophthalmus atlanticus</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.20 1396.84 "YPE: BT No: n.) Purpose Area co GearCon validit :1000 m Sp 157.64 weight 106.80	342 228 86 1938 38 2 2 38 76 38 380 2 7 6 380 2 2 9 05 7 6 4 4 4 8 448	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.14 99.99 KOJECT STATIO TION:LAT S Long E 3 kn*10 KJ/HOUR: 3 1.07 TOT. C 31.97	2290 2283 2287 2286 N: 667 1904 1128
<pre>carrella blackfordi Epigonus telescopus .copius vaillanti trachipterus jacksonensis .aemonema laureysi binania costaecanarie taja caudaspinosa toplostethus cadenati Merluccius polli, female .DATE: 22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LGG :3822.10 3823.10 1.50 FDEPTH: 350 354 Towing dir: 340* Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus terothrisus bel.oci terluccius capensis. female .hlorophthalmus atlanticus .ophius vomerinus</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 1396.84 TYPE: BT No:       	342 228 86 1938 38 2 2 38 38 2 2 905 2 905 2 0 0 2 2 905 2 0 0 2 905 2 0 0 2 905 2 0 0 0 1 2 905 2 0 0 0 1 9 0 0 1 9 0 1 9 1 9 1 9 1 9 1 9	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.14 	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP
<pre>carrella blackfordi Epigonus telescopus .copius vaillanti Trachipterus jacksonensis .aemonema laureysi Dinania costaecanarie taja caudaspinosa Moplostethus cadenati terluccius polli, female rotal</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.80 15.64 2.80 15.20 15.70 12.16 8.80	342 228 86 1938 38 2 2 38 76 6 38 380 2 9052 7 004: de: id.code: de: id.code: de: id.code: de: id.code: de: id.code: 19 6 6 38 20 20 8 7 6 6 38 20 20 8 7 6 6 38 20 20 8 7 6 6 38 20 20 8 7 6 6 38 20 20 8 7 6 6 38 20 20 20 8 7 6 6 38 20 20 20 20 8 7 6 6 38 20 20 20 20 20 20 20 20 20 20 20 20 20	<pre>2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16</pre>	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291
<pre>tarrella blackfordi Epigonus telescopus Cophius vaillanti Irachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinosa doplostethus cadenati terluccius polli, female rotal .DATE:22/11/94 CEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG ::822.10 3823.10 1.50 FDEPTH: 350 354 BOEPTH: 350 354 Towing dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus terothrissus belloci terluccius capensis. female Thlorophthums atlanticus Laemonema laureysi Delorinchus coelorhinc. polli Delorinchus fasciatus Lophius vaillanti</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.80 100 5.64 4 2.80 12.16 8.80 6.88 6.78 4.80 5.78 4.80 5.78 4.80 5.78 4.80 5.78 4.80 5.78 4.80 5.78 4.80 5.78	342 228 86 1938 38 2 2 38 76 6 38 380 2 2 POS: recode: de : d. code: de : d. code: de : code: de : code: de : for code: de : for code: de : for code: de : for code: de : for code: de : for code: for code: de : for code: for co	<pre>2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16</pre>	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291
<pre>karrella blackfordi Epigonus telescopus Cophins vaillanti Drachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinoss Hoplostethus cadenati derluccius polli, female Total .DATE:22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :3822.10 3823.10 1.50 FDEPTH: 350 354 BDEPTH: 350 354 Towing dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Herochrissus bel.cci derluccius capensis. female Chlorophthalmus atlanticus Lophius vonerinus Loenonema laureysi Delorinchus fasciatus Lophius vaillanti Todarodes sagittatus Schedophilus huttoni</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.100 M SP 15.64 8.40 3.2.80 19.20 16.70 1.16 8.88 6.78 5.32 5.00	342 228 86 1938 380 2 2 38 76 6 380 2 2 905 7 6 380 2 905 7 6 380 2 9 905 7 6 380 2 9 905 7 6 380 2 9 905 7 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 380 2 2 9 905 7 6 6 9 905 7 6 6 9 905 7 905 905 905 905 7 905 905 905 905 905 905 905 905 905 905	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.19 0.386 2.79 2.18 2.15 2.00 1.90	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293 2294
<pre>karrella blackfordi Epigonus telescopus Lophius vaillanti Irachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinosa Hoplostethus cadenati Merluccius polli, female Total .DATE: 22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :3022.10 3823.10 1.50 FDEPTH: 350 354 Towing dir: 340* Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Helicolenus dactylopterus Helicolenus capensis, female chlorophthalmus atlanticus Lophius vomerinus Laemonema laureysi Deelorinchus coelorhine. polli Doelorinchus fasciatus Lophius vaillanti Kodarodes sagittatus Schedophilus huttoni Dentex macrophthalmus</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.20 1396.84 "YPE: BT No: ) Purpose Area co GearCon validit :1000 m Sp  157.64 CATCH/ weight 10C.85 84.00 32.80 15.20 15.764 CATCH/ weight 10C.85 84.00 32.80 15.20 6.88 6.78 8.07 8.07 12.16 8.80 6.88 6.78 6	342 228 86 1938 38 2 2 38 76 38 380 2 2 9 76 38 380 2 2 9 9 0 2 2 9 0 2 2 9 0 2 2 9 0 2 2 9 0 2 2 9 0 2 2 9 0 2 2 9 8 38 38 2 2 2 38 38 38 2 2 2 38 38 38 2 2 2 38 38 38 2 2 2 2	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.14 99.99 KOJECT STATIO TION:Lat S Long E 3 kn*10 KJ-400R: 3 1.97 26.64 2.04 0.40 6.09 5.30 3.86 2.79 2.18 2.15 2.05	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293
<pre>karrella blackfordi Epigonus telescopus Cophius vaillanti Irachipterus jacksonensis Laemonema laureysi binania costaecanarie Raja caudaspinoss Hoplostethus cadenati terluccius polli, female Total .DATE: 22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG : 3822.10 3823.10 1.50 FDEPTH: 350 354 Towing dir: 340* Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Herluccius capensis. female Chlorophthalmus atlanticus Lophius vomerinus Laemonema laureysi Deelorinchus fasciatus Cophius vaillanti Todarodes sagittatus Schedophilus huttoni bentex macropithalmus Hezunia sp. Trachyrincus scabrus</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.88 2.8	342 228 86 1938 38 38 2 2 38 76 6 38 380 2 9 0 0 2 2 2 38 76 6 38 38 38 38 2 2 2 2 38 76 6 38 38 2 2 2 2 38 76 6 38 38 2 2 2 2 38 76 6 38 38 2 2 2 2 38 76 6 38 38 2 2 2 2 38 76 6 38 2 2 2 2 38 76 6 38 76 6 38 76 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 38 70 76 5 70 76 76 76 76 76 76 76 76 76 76 76 76 76	<pre>2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16</pre>	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293 2294 2295
<pre>karrella blackfordi Epigonus telescopus Cophius vaillanti Irachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinoss doplostethus cadenati terluccius polli, female rotal .DATE: 22/11/94 CEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :: 3622.10 3623.10 1.50 FDEPTH: 350 354 Towing dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus terothrissus belloci derluccius capensis. female Thlorophthalmus atlanticus Loehorinchus fasciatus Loehorinchus fasciatus Loehorinchus fasciatus Loehorinchus fasciatus Loehorinchus catory Enedophius vullanti Todarodes sagittatus Schedophilus huttoni Dentex macrophthalmus Hezumia sp. Trachyrincus scabrus ferluccius capensis, male Synagrops microlepis</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 2.28 1396.84 TYPE: BT No: n.) Purpose Area co GearCon validit :1000 m Sp 157.64 CATCH/ weight 100.80 12.16 8.80 6.88 6.72 6.32 6.00 3.36 2.96 2.88 1.72 1.66	342 228 86 1938 38 2 2 38 76 6 38 380 2 2 POS: recode: de : 4 4 372 6 512 12 6 416 200 2 448 372 36 512 18 256 416 200 2 40 16 16 10 4 10 4 10 4 10 4 10 4 10 4	<pre>2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.16</pre>	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293 2294
<pre>Xarrella blackfordi Epigonus telescopus Cophius vaillanti Trachipterus jacksonensis Laemonema laureysi Ebinania costaecanarie Raja caudaspinosa Hoplostethus cadenati Merluccius polli, female Total DATE:22/11/94 GEAR T start stop duration TIME :06:34:00 07:04:00 30 (mi LGG :3822.10 3823.10 3823.10 1.50 FDEPTH: 350 354 BDEPTH: 350 354 Towing dir: 340° Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Pterothrissus belloci Merluccius capensis. female Chlorophthalmus atlanticus Lophius vomerinus Leemonema laureysi Coelorinchus fasciatus Dophius villanti Podarodes sagittatus Schedophius huttoni Dentex macrophthalmus Mezumia sp. Trachyrincus scabrus Merluccius capensis, male Synagrops microlepis Kale confucens Saleus polli</pre>	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.100 M SP 10.00 SP 10.00 5.88 5.32 5.00 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 8.08 3.48 1.72 1.66 8.08 3.36 2.96 2.88 1.72 1.66 3.48 3.48 1.72 1.66 3.48 1.72 1.66 1.67 1.66 1.67 1.66 1.68 1.72 1.66 1.67 1.66 1.68 1.72 1.66 1.67 1.66 1.68 1.72 1.66 1.68 1.72 1.66 1.68 1.72 1.66 1.68 1.72 1.66 1.68 1.72 1.66 1.68 1.72 1.66 1.67 1.68 1.68 1.68 1.72 1.66 1.68 1.68 1.68 1.68 1.72 1.66 1.68 1	342 228 86 1938 380 2 2 38 76 6 380 2 POS: code: de: de: ed: 32 CATC HOUR numbers 448 372 36 512 18 256 416 200 2 40 16 16 16 104 8 8 8	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.19 0.38 0.28 0.99 0.94 0.94 0.94 0.94 0.94 0.94 0.25 0.53 0.28 0.15 0.53 0.28 0.15 0.53 0.28 0.15 0.53 0.28 0.15 0.53 0.28 0.15 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.15 0.55 0.53 0.28 0.55 0.55 0.53 0.55	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293 2294 2295
start stop duration TIME :06:34:00 07:04:00 30 (mi LOG :3822.10 3823.10 1.50 FDEPTH: 350 354 DEDETH: 350 354 Towing dir: 340* Wire out Sorted: 61 Kg Total catch SPECIES Helicolenus dactylopterus Pterothrissus beloci derluccius capensis. female Chlorophthalmus atlanticus Loghius vomerinus Laemonem laureysi Coelorinchus fasciatus Coelorinchus fasciatus Coelorinchus fasciatus Schedophilus huttoni Dentex macrophthalmus Schedophilus huttoni Dentex macrophthalmus Schedophilus huttoni Dentex macrophtalmus Kerluccius capensis, male Synagrops microlepis Raja confundens Saleus polli ioplostethus cadenati C R A B S	17.10 16.70 11.40 5.70 4.14 3.54 2.28 2.15 6.88 6.78 5.32 5.00 3.36 2.96 2.88 0.28 2.88 0.28 2.88 0.28 2.80 2.96 2.88 0.28 2.96 2.88 0.28 2.96 2.88 0.28 2.96 2.88 0.88 0.28 0.28 0.296 2.88 0.28 0.296 2.88 0.28 0.296 2.88 0.28 0.296 2.88 0.286 0.296 2.88 0.48 0.40 0.24 0.2	342 228 86 1938 38 2 2 38 76 6 38 38 38 2 2 2 2 2 2 2 2 2 2 38 76 38 38 38 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2.23 1.22 1.20 0.82 0.41 0.30 0.25 0.16 0.16 0.16 0.16 0.16 0.16 0.16 0.17 99.99 KOJECT STATIO TION:Lat S Long E 3 Kn*10 CH/HOUR: 3 % OF TOT. C 3. % OF TOT. C 3. % OF TOT. C 3. % OF TOT. C 3. % OF 2.79 2.18 2.15 2.00 1.90 1.97 2.6.55 0.28 0.28 0.28 0.15 0.13 0.08	2290 2283 2287 2286 N: 667 1904 1128 15.28 SAMP 2291 2293 2294 2295
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		PROJECT STATI	ON: 668
DATE: 22/11/94 GEAR T	YPE: BT No:	POSITION:Lat	s 1902
start stop duration		Long	E 1133
TIME :08:21:00 08:51:00 30 (min	n) Purpose co		
LOG :3827.90 3829.40 1.50	Area code	: 3	
FDEPTH: 273 270	GearCond.	ode:	
BDEPTH: 273 270	Validity of	ode:	
	770 m Speed		
Sorted: 258 Kg Total catch	: 615.37	CATCH/HOUR: 1	230.74
······			
SPECIES	CATCH/HOU	IR & OF TOT. C	SAME
		abers	, oran
Chlorophthalmus atlanticus		1882 26.07	
Merluccius capensis, female	300.70	792 24.43	2200
			2296
Dentex macrophthalmus	197.86	1534 16.08	2300
Merluccius capensis, male	129.20	416 10.50	2297
Trachurus capensis	105.56	936 8.58	2299
Synagrops microlepis	66.30	5754 5.39	

Synagrops microlepis	66.30	5754	5.39	
Helicolenus dactylopterus	45.76	962	3.72	
Lophius vomerinus	27.60	30	2.24	2298
Todarodes sagittatus	18.20	182	1.48	
Pterothrissus belloci	16.38	130	1.33	
Coelorinchus coelorhinc. polli	2.08	104	0.17	
Coelorinchus fasciatus	0.26	26	0.02	
Total	1230.74		100.01	
		PROJ	ECT STATIC	N: 669
DATE: 22/11/94 GE/	AR TYPE: BT NO:	POSITI	ON:Lat S	1859
start stop durat:	ion		Long H	1140
			-	

DATE: 2	2/1	1/94			61	LAR TI	PE: BT NO	): F	OSITION:	Lat	s	18
		star	t	stop	durat	ion				Long	Ē	11
TIME	:10	1:13:	00 :	L0:43:0	0 30	(min	) Purpos	e code	: 3			
LOG	:36	136.6	0 3	3838.10	1.50	)	Area o	code	: 3			
FDEPTH	:	29	1	290			GearCo	ond.ccd	le:			
BDEPTH		29	1	290			Validi	ity cod	ie:			
	Тс	wing	di	r: 50*	Wire	out:	830 m S	peed:	30 kn*10			
Sort	ed:	158	Χa	T	otal (	atch:	412.1	73 C	CATCH/HOU	IR:	82	5.4

SPECIES	CATCH	/HOUR	S OF TOT. C	SAMP
	weight	numbers		
Trachurus capensis	261.00	3402	31.62	2306
Merluccius capensis, female	169.90	640	20.58	2302
Dentex macrophthalmus	104.40	558	12.65	2305
Synagrops microlepis	88.56	13014	10.73	
Merluccius capensis, male	77.80	370	9.43	2301
MYCTOPHIDAE	52.74	25370	6.39	
Pterothrissus belloci	24.12	468	2.92	
Trigla lyra	21.60	90	2.62	
Todarodes sagittatus	8.64	72	1.05	
Chlorophthalmus atlanticus	8.28	684	1.00	
Lophius vomerinus	4.22	10	0.51	2304
Austroglossus microlepis	2.58	6	0.31	2303
Helicolenus dactylopterus	0.72	198	0.09	
Coelorinchus fasciatus	0.72	36	0.09	
Coelorinchus coelorhinc. polli	0.18	54	0.02	
Total	825.46		100.01	

						P	ROJECT STA	TION	: 670
DATE: 2	2/11/94		GEA	R TYPE:	BT No:	POS	ITION:Lat	s	1854
	start	stop	durati	on			Long	E	1153
TIME	:12:38:00	13:08:00	30	(min)	Purpose	code:	3		
LOG	:3852.10	3853.80	1.70		Area co	de :	3		
FDEPTH	: 225	225			GearCon	d.code:			
BDEPTH	: 225	225			Validit	y code:			
	Towing d	lir: 73*	Wire o	out: 75	0 m Spe	eed: 31	kn*10		

5	Sorted:	85 Kg	Total	catch:	1964.66	CATCH/HOUR:	3929.32

SPECIES	CATCH/HOUR		OF TOT. C	SAMP
	weight.	numbers		
Trachurus capensis	3838.70	70012	97.69	2309
Merluccius capensis, female	61.64	690	1.57	2308
Merluccius capensis, male	28.98	184	0.74	2307
Total	3929.32		100.00	

/11/94 start		GEAR T	VDE. BT No.	DECTEDANT A LA	-	
			LFD. DI MU.	POSITION:Lat	s	1852
start	stop	duration		Long	Е	1202
14:29:00	0 14:59:00	30 (mi	n) Purpose d	code: 3		
3863.10	3864.90	1.80	Area code	: 3		
127	125		GearCond.	code:		
127	125		Validity	code:		
Towing o	dir: 151*	Wire out	: 500 m Spee	d: 33 kn*10		
4. 127 1	(a To	tal catch	2420.02	CATCH (HOUR)		
	3863.10 127 127 Fowing o	3863.10 3864.90 127 125 127 125 127 125 Fowing dir: 151*	3863.10 3864.90 1.80 127 125 127 125 Fowing dir: 151° Wire out:	3863.10         3864.90         1.80         Area code           127         125         GearCond.           127         125         Validity           fowing dir:         151*         Wire out:         500 m	3863.10         3864.90         1.80         Area code         : 3           127         125         GearCond.code:         127           127         125         Validity code:           128         Wire out: 500 m         Speed: 33 kn=10	3863.10 3864.90 1.80 Area code : 3 127 125 GearCond.code: 127 125 Validity code: 127 125 Validity code: 127 125 Validity code: 127 125 Validity code: 128 Validity code: 129 Validity code: 129 Validity code: 129 Validity code: 120 Validi

SPECIES	CATCH	/HOUR	\$ OF	тот. с	SAMP
	weight	numbers			
Trachurus capensis	4805.60	152834		98.51	2310
Sufflogobius bibarbatus	71.68	7314		1.47	
Austroglossus microlepis	0.72	36		0.01	2311
Total	4878.00		_	99.99	

## Annex IV Instruments and fishing gear used

#### Acoustic instruments

The SIMRAD EK500/38 KHZ scientific sounder was used during the survey for estimation of fish density. The EK500 has a built- in digital echo integrator, but the Bergen Echo Integrator system (BEI) was used throughout the survey. The details of the instrument settings are as follows:

Transceiver settings:

Bandwidth	Wide (3.8 KHz)
Pulse length	Medium (1 ms)
Max Power	2000 Watt
Sv Transducer gain	27.8 dB
Ts Transducer gain	28.1 dB

Printer settings:

Range	0 - 100 or 0 - 250 m
TVG	20 log R
TS Colour min	- 50 dB
Sv Colour min	- 64 dB

An ES38B with a 6.8° -3dB beamwith transducer was used for integration.

A calibration experiment using a standard copper sphere, performed in Baia dos Tigres 23/2 1994 gave the following results: Sv Transducer gain 27.8 dB, Ts Transducer gain 28.1 dB.

Glossary:

Sv Transducer gain: Peak transducer gain assumed during computation of volume backscattering strength.

Ts Transducer gain: Peak transducer gain assumed during computation of target strength.

Ts Colour min: Lower limit of colour scale relative to target strength.

Sv Colour min: Lower limit of colour scale relative to volume back scattering.

#### Hydrography

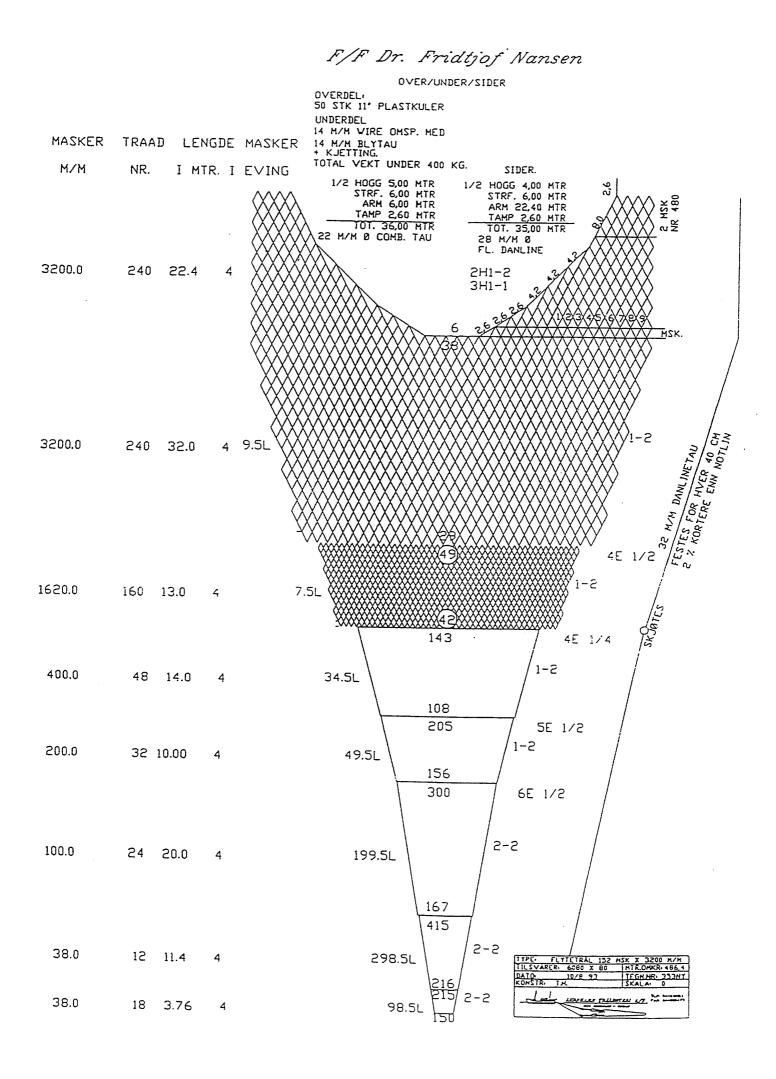
Conductivity, temperature, density and oxygen were sampled regularly at CTD stations with a Seabird CTD-sonde. The salinity was calculated by a computer.

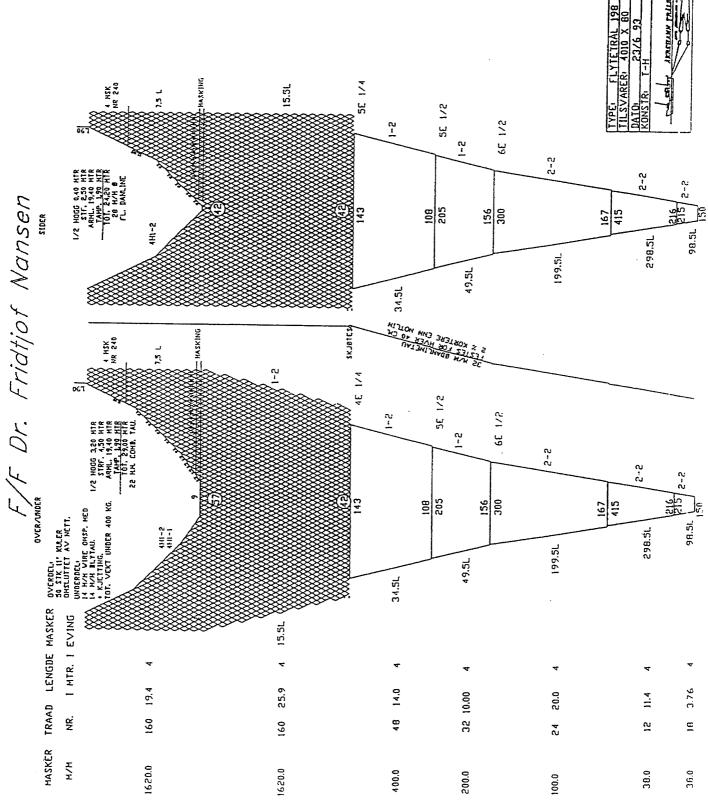
#### Fishing gear

The vessel has two different sized 'Åkrahamn' pelagic trawls and one Gisund super bottom trawl. Only the bottom trawl was used during the survey.

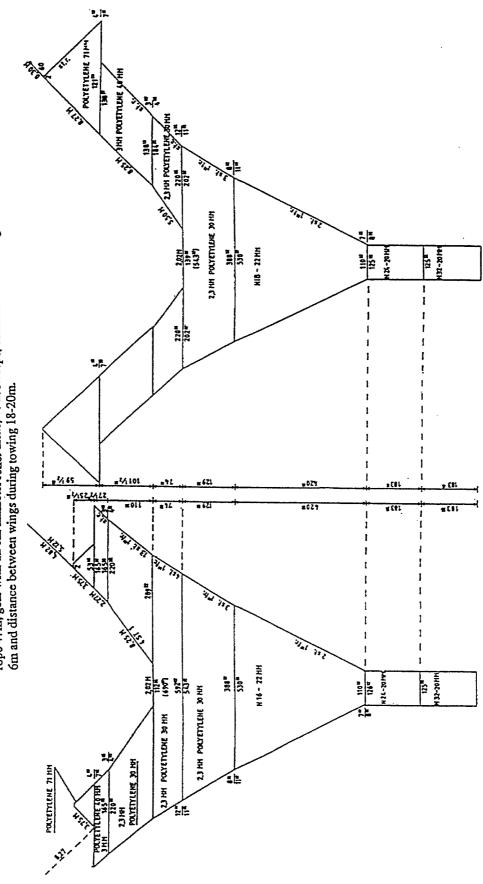
The bottom trawl has a headline of 31m, footrope 47m and 20mm meshsize in the codend with an innernet of 10mm meshsize. The estimated headline height is 5m and distance between the wings during towing about 18m. The trawl is equipped with a 12" rubber bobbins gear and 6m<sup>2</sup>, 1500kg 'Egersund' combi-doors. The sweeps are 40m long.

The following drawings show the size of these trawls.





PE: FLYTETRAL 198 MSK X 1620 H/M SVARER: 4010 X 80 MTR.0HKR. 320 10. 23/6 93 TEGNAR. 510 VSTR. T-H JANTELLAN D SKALAI 0 Leally JANTELLAN FLILMEREN J.C. 12, 11: 41111,



Bottom trawl: High opening shrimp and fish trawl with net headline  $3 \,\mathrm{tm}$  (floatline),footrope  $47 \mathrm{m}$ , gear with  $12 \,\mathrm{cm}$  diameter roller disks,  $40 \,\mathrm{m}$  sweeps, estimated headline hight 6m and distance between wings during towing  $18\text{-}20 \mathrm{m}$ .

# PART II

SURVEY OF THE PELAGIC STOCKS 26 November - 15 December 1994

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- Annex III Records of fishing stations
- Annex IV Instruments and fishing gear used
- Annex V Number and biomass
- Annex VI The total number of fish per length group

- Annex VII Length-weight relations
- Annex VIII Fish condition factor
- Annex IX Reproductive status

### **1.1 OBJECTIVES**

- 1. To obtain biomass estimates of pilchard, anchovy, round herring and pelagic horse mackerel.
- 2. To collect data on the biological state of pilchard, anchovy, round herring and pelagic horse mackerel during the survey period.
- 3. To collect basic oceanographic parameters, eg. temperature, salinity and  $O_2$ .
- 4. To conduct behavioural experiments on pilchard using the SA950 sonar.
- 5. To produce a report on the state of the stocks, with fish distribution and abundance estimates.

#### **1.2 PARTICIPATION**

The scientific staff from Namibia on the RV 'Dr. Fridtjof Nansen' were:
25 November - 16 December: M. Evenson, R. Cloete, S. Nakambunda, H. Asino
07 - 16 December: D. Boyer, C. Kirchner-Frankle

From Angola the following scientists participated: 07 - 16 December: N. Luyeye, A. Duarte

The scientific staff from the Institute of Marine Research were: R. Toresen, V. Anthonypillai, B. Kvinge, T. Mørk.

### **1.3 SCHEDULE**

From the general knowledge of pelagic fish distribution gained from previous surveys and from reports of commercial fishing vessels, the potential survey area is in general limited to the area

from Dolphin Head (26°00'S) to Tombua (16°00'S) and from the shore to the 200 m bathymetric line. The southern limit is formed by the cold and oxygen deficient upwelling region centred around Lüderitz and the northern boundary at the front of the warm Angolan current. Permission was obtained from Angolan authorities to extend the survey northward to Tombua, hence the expected entire pilchard distribution was covered.

The area south of Walvis Bay was surveyed by a fishing vessel ('Ruwekus') during the period 19-23 November and this vessel also assisted with the survey in the northern part of Namibia between the 7th and 12th of December. As only a very small amount of pelagic fish, probably anchovy was recorded in the area south of Walvis Bay, it was decided to concentrate on the regions to the north during the main part of the survey.

The 'Dr. Fridtjof Nansen' left Walvis Bay at 08h00 on 26th November and covered the Northern Region, including Angolan waters to Tombua during, the first 10 days of the survey. The 'Dr. Fridtjof Nansen' then sailed southwards to meet the fishing vessel carrying additional scientific staff from Angola and Namibia and to survey a small region of pilchard detected in Möwe Bay during the northwards coverage. En route the RV 'Dr. Fridtjof Nansen' was required to assist a drifting crab long-liner with a rope fouling her propeller. One day of survey time was lost in this operation and it was decided to survey the fish at Möwe Bay later in the survey. 'Ruwekus' assisted 'Dr. Fridtjof Nansen' during the following 3 days, resurveying the area from Rocky Point to Cunene River. 'Ruwekus' then returned to Walvis Bay, en route surveying the region between 200 and 600 m water depths, while 'Dr. Fridtjof Nansen' continued northwards into Angola waters to resurvey the previously detected concentrations of pilchard.

The vessel arrived in Walvis Bay on 15th December, at 18h00. The weather was favourable for an acoustic survey throughout the cruise. The number of days allocated for the survey (20) was sufficient for a thorough coverage of the inner shelf area north of Walvis Bay.

To allow comparison with previous 'Dr. Fridtjof Nansen' surveys, the map work was divided by three areas:

1	23°00'S to 21°00'S	Walvis Bay to Ambrose Bay
2	21°00'S to 17°15'S	Ambrose Bay to Cunene River
3	17°15'S to 16°00'S	Cunene River to Tombua

For a higher analytical resolution precision and to facilitate comparison between surveys and other stock assessment methods, biomass and biological data are reported per degree latitude.

#### **1.4 SURVEY EFFORT**

The course tracks with the fishing stations from Walvis Bay to Ambrose Bay, from Ambrose Bay to Cunene River and from Cunene River to Tombua are shown in Figures 1a-c.

A total of 4 020 nautical miles were steamed and 86 trawl hauls were worked out, of which 6 were bottom trawls.

The total number of CTD stations was 105.

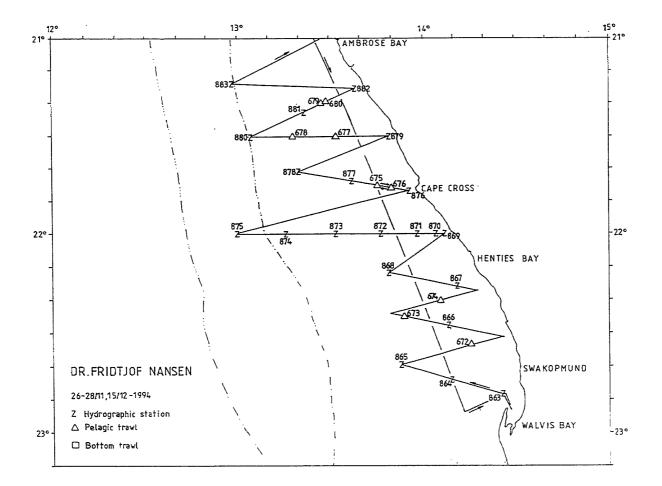


Figure 1a Course tracks with fishing stations and CTD-stations, Walvis Bay - Ambrose Bay.

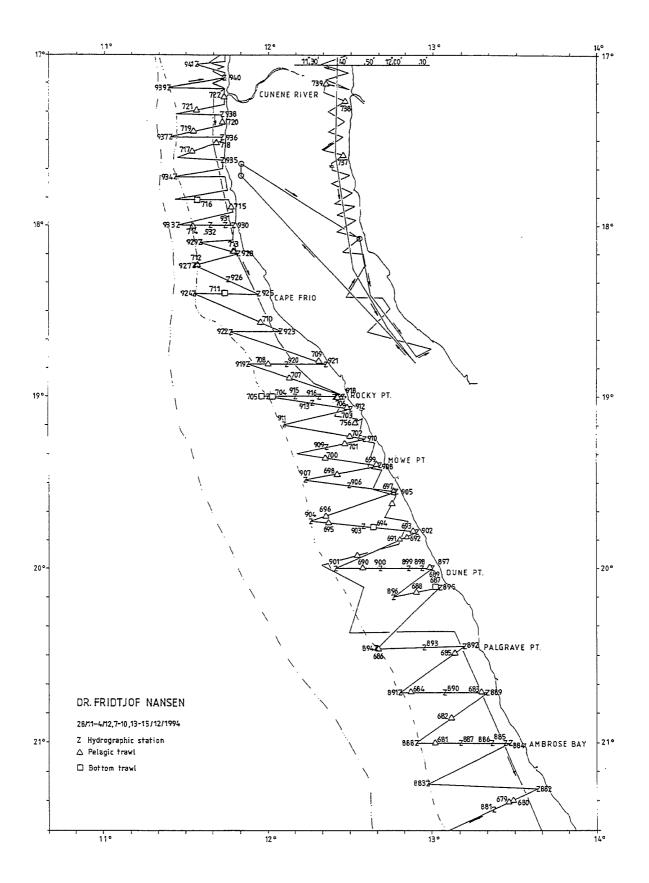


Figure 1b Course tracks with fishing stations and CTD-stations, Ambrose Bay - Cunene.

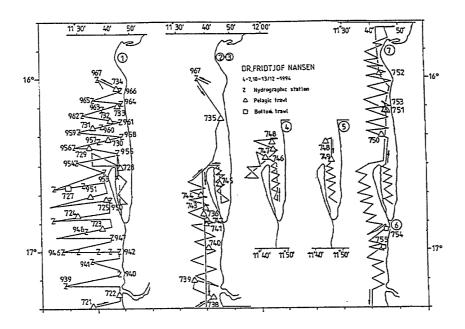


Figure 1c Course tracks with fishing stations and CTD-stations, Cunene - Tombua.

## CHAPTER 2 METHODS

#### 2.1 HYDROGRAPHIC SAMPLING

Continuous vertical profiles of temperature, salinity and oxygen were obtained with a Seabird 911 CTD Plus system. The data were logged in real time on a PC on board, using the Seabird SEASAVE software. As a routine the profiles were taken down to a few meters above the bottom. In addition to the CTD stations distributed to obtain a general view of the hydrographical regime in the area, standard hydrographical sections at every full degree latitude were also collected.

#### 2.2 FISH DISTRIBUTION AND BIOMASS DETERMINATION

The survey strategy used was essential similar to the one used in previous surveys:

- 1. All available information on fish density and distribution was assessed and used to estimate the probable distribution and density of each region surveyed.
- 2. The planned effort was increased in areas with high fish densities.
- 3. When possible, areas were covered more than once, preferably both by day and by night.
- 4. In regions of expected low densities a survey grid of systematic triangular transects were surveyed from inshore of the distribution, where possible, to the offshore edge of the distribution. In areas of high expected densities, the same grid system was applied but with smaller distance between the endpoints of the transects. The offshore region was covered in a pilot survey by the 'Dr. Fridtjof Nansen' during the hake survey in the month preceding the present survey and searched again by the assisting fishing vessel.

#### 2.2.1 Sampling by trawl

Trawl sampling of fish was generally successful, although some hauls were disrupted by high concentrations of jellyfish, as experienced in some previous surveys. This was particularly serious in the mid-water hauls targeted on horse mackerel.

All catches were sampled for composition by weight and numbers of each species. The size distribution of the commercially important species, using total length, was determined by 0.5 cm length classes. Unlike previous surveys, these length frequencies were taken as representative only when more than 50 fish were caught. The relative frequencies of these trawls were pooled into regional length distributions with equal weightings. The length frequencies per geographical area are given in Annex I. A summary of catches and a complete record of all fishing stations are shown in Annexes II and III.

#### 2.2.2 Acoustic sampling

The acoustic integration system provide observations of echo densities averaged, usually over 5 NM distances. The unit of acoustic reflection ( $S_A$ ) is m<sup>2</sup>/NM<sup>2</sup> reflecting surface. The integrator values were allocated to the following groups on the basis of trawl sampling and characteristic behaviour recognised from the echo recordings:

Pilchard (Sardinops ocellatus) Anchovy (Engraulis capensis) Round herring (Etrumeus whiteheadi) Horse mackerel (Trachurus spp.) Other pelagic fish Hake (Merluccius spp.) Other demersal fish Mesopelagic fish Plankton

Annex IV gives a description of the instruments and the fishing gear used.

### 2.2.3 Calculations

The following target strength (TS) function was applied to convert  $S_A$ -values to numbers of fish (pilchard, anchovy, round herring and horse mackerel):

$$TS = 20 \log L - 72 dB$$
 (1)

or on the form 
$$C_{\rm E} = 1.26 \cdot 10^6 \cdot L^{-2}$$
 (2)

where L is total length.

The following formula was applied in spreadsheets (Excel) to estimate the number of fish in each length frequency group (cm) in an eggregation:

$$N_{i} = A \cdot S_{A} \cdot \frac{P_{i}}{\sum_{i=1}^{n} \frac{P_{i}}{C_{ri}}}$$
(3)

where

 $N_i$  = number of fish in length group I

$$A = \text{area in } NM^2$$

 $S_A$  = mean integrator value in the area

 $p_i$  = number of fish in length group I in samples from the area

 $C_{Fi}$  = fish conversion factor (formula 2) applied on length group i

The main criteria for delineating aggregations was the area where the distribution of a species was continuous. If such a distribution spanned more than one degree latitude, it was divided into separate areas.

The observed relative number of fish per length group was used in the calculations of fish abundance in an area. Before allocation of length samples, the length frequencies were compared and the occurrence of 'dissimilar' frequencies was also used to split continuous distributions into different aggregations or sub-areas.

The estimated number per length group were then summed and the total number of fish obtained. The biomass of fish per length group was calculated applying a condition factor on the number estimates. This factor was obtained for pilchard and anchovy during the survey from the regression between the observed weight and length. The mean length-weight regression coefficients measured during the June 1994 survey was used for round herring and horse mackerel. The applied regressions were:

Pilchard	- w = $0.0062 \cdot l^{3.0900}$
Anchovy	- w = $0.0020 \cdot l^{3.4382}$
Round herring	- w = $0.0051 \cdot 1^{3.0618}$
Horse mackerel	- w = $0.0114 \cdot l^{2.8553}$

#### 2.3 BIOLOGICAL SAMPLING

Total length (Lt.), body weight, and gonad weights were recorded for pilchard and anchovy to the nearest 1 mm or 1 g below, respectively. Sex and reproductive stage were described by macroscopic examination, scoring each individually sampled fish according to the following categories:

- 1 Juvenile
- 2 Inactive
- 3 Active
- 4 Ripe
- 5 Spent

Otoliths were removed for ageing at a future date.

Sampling was standardized across 1° latitudinal intervals according to the following rules:

- 1 The minimum size of anchovy sampled was 10.0 cm Lt. and for pilchard 14.0 cm Lt.
- 2 Up to 10 individuals were sampled per 0.5 cm length class in each 1° latitude interval.
- 3 Not more than 4 individuals were sampled per 0.5 cm length class per trawl.

Reproductive status, and mean weight/length-class is only reported where more than 10 fish/length-class were sampled.

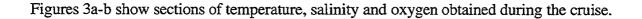
Length-weight relationships were determined by fitting power curves to the regressions of weight on length. These relationships were determined for the whole region, as well as for each latitude interval where there was sufficient spread of lengths among the samples.

The length-weight data were also used to calculate the fish condition factor (weight  $\cdot$  100/length<sup>3</sup>) of pilchard and anchovy. The condition factors of individual fish were pooled and averaged for each 1° latitude interval in which suitably sized fish were found. For pilchard this included areas 16° - 17°S, 17° - 18°S and 19° - 20°S. For anchovy: 16° - 17°S, 17° - 18°S and 18° - 19°S and 19° - 20°S.

## **CHAPTER 3 HYDROGRAPHY**

The sea surface temperatures (SST) on the course track from Walvis Bay to Ambrose varied from 15° to 16°C. From Ambrose to the Cunene River the SST of the inshore area was also between 15° and 16°C. However from around Dune Point to the Cunene the SST of the offshore area was slightly higher at 17° to 18°C. As was expected SST also increased at the Cunene section with offshore temperatures reaching up to 19°C (Figures 2a-b).

The surface oxygen concentration varied from 5 to 7 ml/l from Walvis Bay to north of Cape Frio. At the Cunene section the near surface oxygen concentration was as low as 4 ml/l. The near surface salinity was also higher at the Cunene than at any of the other stations (Figures 3a-b).



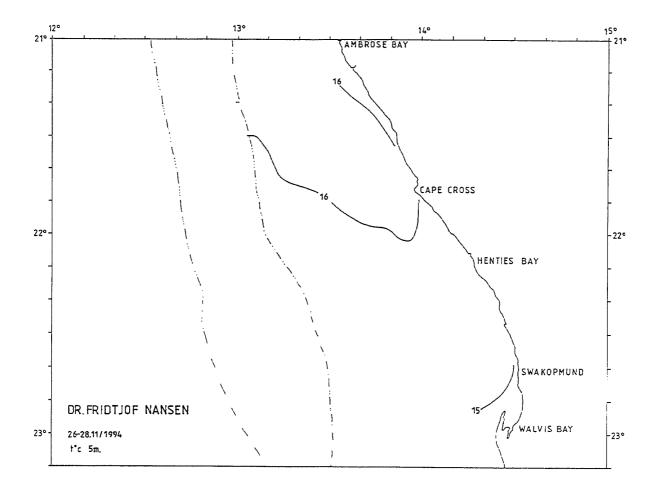


Figure 2a Sea surface temperature, Walvis Bay - Ambrose Bay.

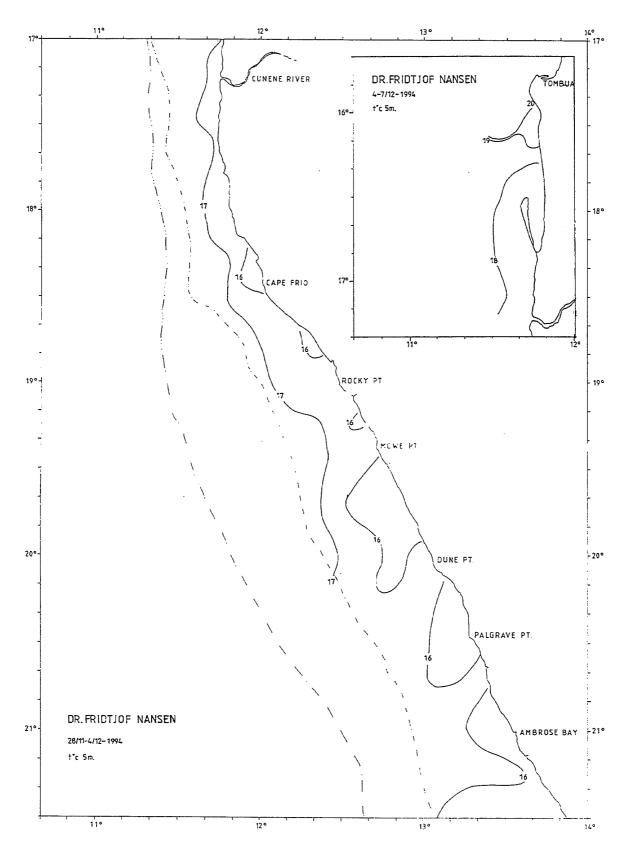


Figure 2b Sea surface temperature, Ambrose Bay - Cunene and Cunene - Tombua.

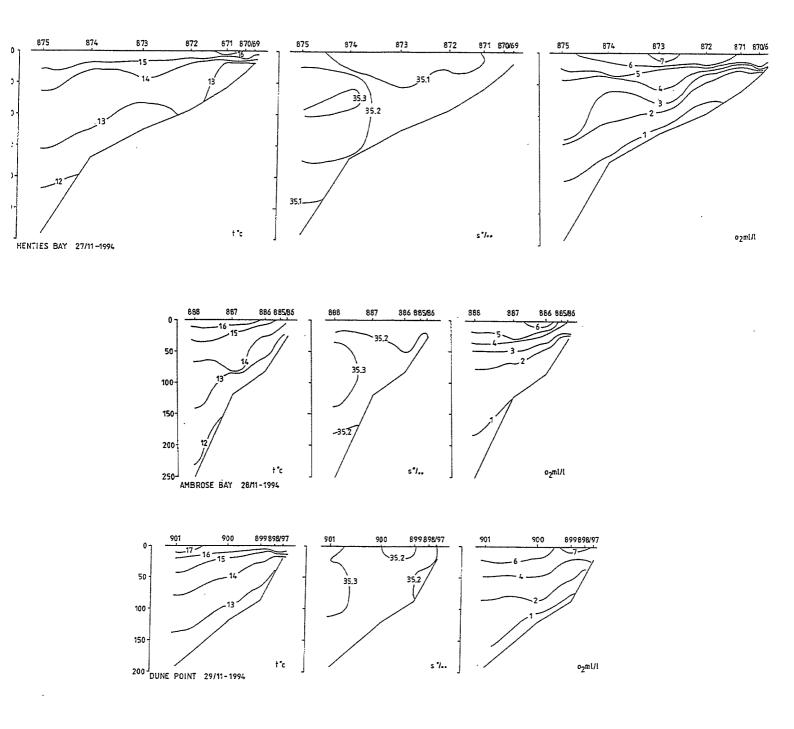
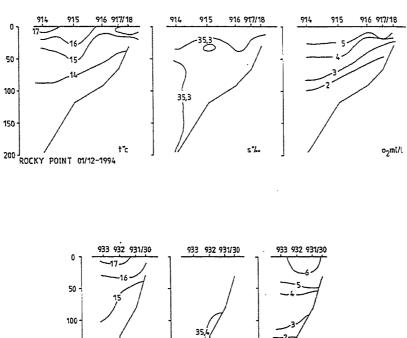


Figure 3a Temperature, salinity and oxygen in the stanard profiles worked.



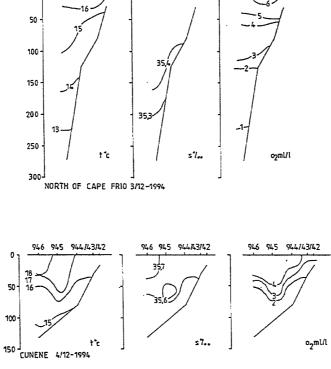


Figure 3b Temperature, salinity and oxygen in the stanard profiles worked.

# CHAPTER 4 DISTRIBUTION, ABUNDANCE AND BIOLOGICAL ANALYSIS OF PELAGIC FISH

#### **4.1 DISTRIBUTION**

In summary, large sized pilchard (>23 cm) were only recorded in the northernmost region surveyed, north of Cunene. Smaller aggregations of younger pilchard (~12 and 17 cm) were found in two areas along the Namibian coast, off Möwe Pt. and north of Cape Frio. Anchovy and round herring generally occurred in the same areas as pilchard. Occasionally it was difficult to separate these species on the basis of echo traces alone and in such cases the species composition of the nearest trawl catches were used. Horse mackerel were recorded throughout most of the surveyed area. Scattered layers, consisting mainly of jellyfish, planktonic organisms and occasionally gobies and lanternfish, also occurred throughout most of the area.

The distributions of pilchard, anchovy, round herring and horse mackerel are shown in Figures 4-7. An arbitrary scale was used in the distribution charts to illustrate different levels of density.

#### 4.1.1 Walvis Bay to Ambrose Bay

No pilchard, anchovy or round herring were detected in this area.

Horse mackerel were recorded at low densities throughout the area and often together with dense concentrations of plankton and jellyfish, especially at night. The horse mackerel usually aggregated into shoals of various sizes and densities during daytime. The zero-line of the distribution offshore was usually reached, especially towards the south.

#### 4.1.2 Ambrose Bay to Cunene River

Aggregations of pilchard were recorded on 28 November between Dune Pt. and Rocky Pt. A few small scattered shoals were also found north of Cape Frio. The pilchard in both of these areas consisted of young fish with modal lengths of 13 and 16 cm. The concentrations were dispersed and the pilchard was mixed with anchovy and round herring in the southernmost area and with round herring in the north. The region from Rocky Pt. to 19°50'S was surveyed again some 15 days later, but little pelagic fish was found.

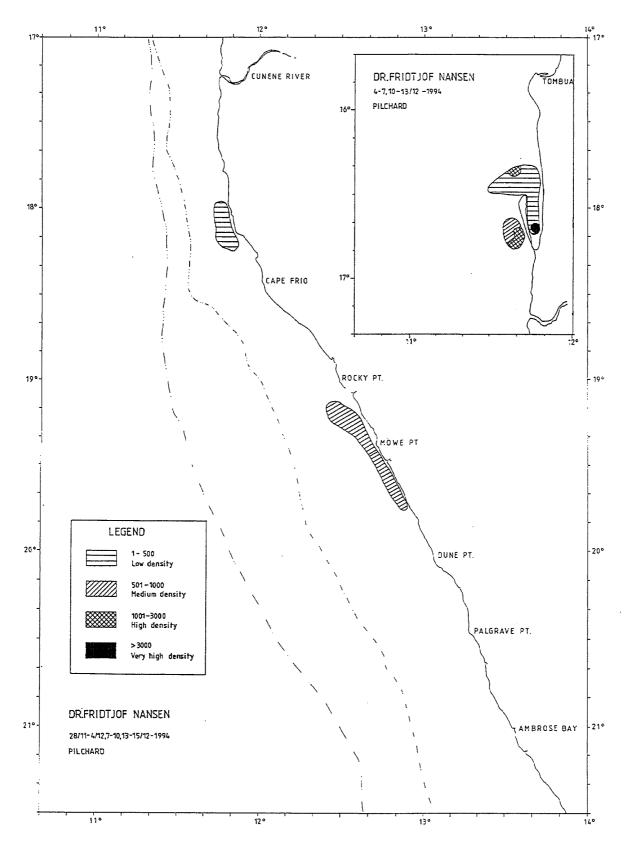


Figure 4 Distribution of pilchard, Ambrose Bay - Cunene and Cunene - Tombua.

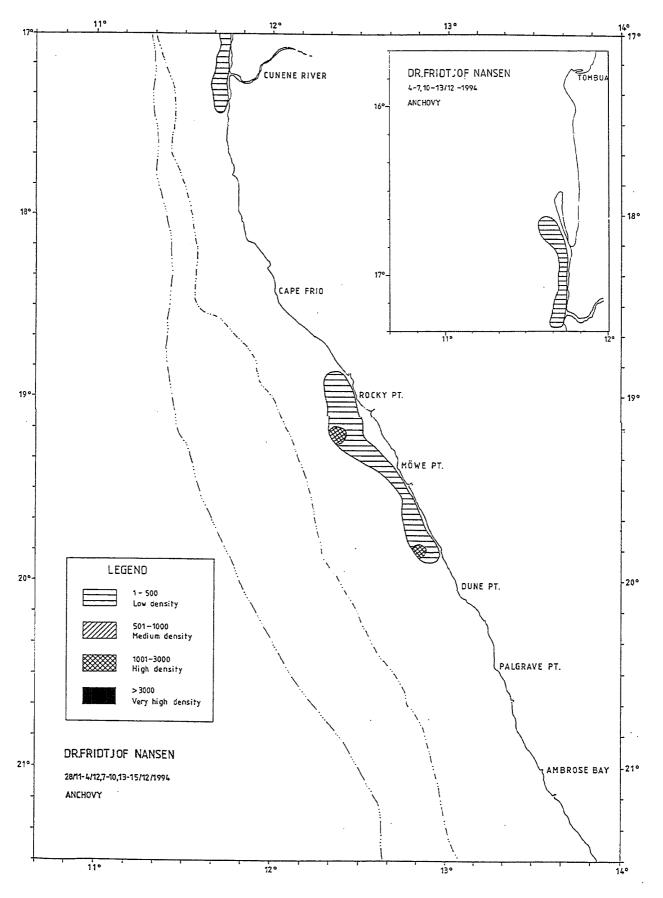


Figure 5 Distribution of anchovy, Ambrose Bay - Cunene and Cunene - Tombua.

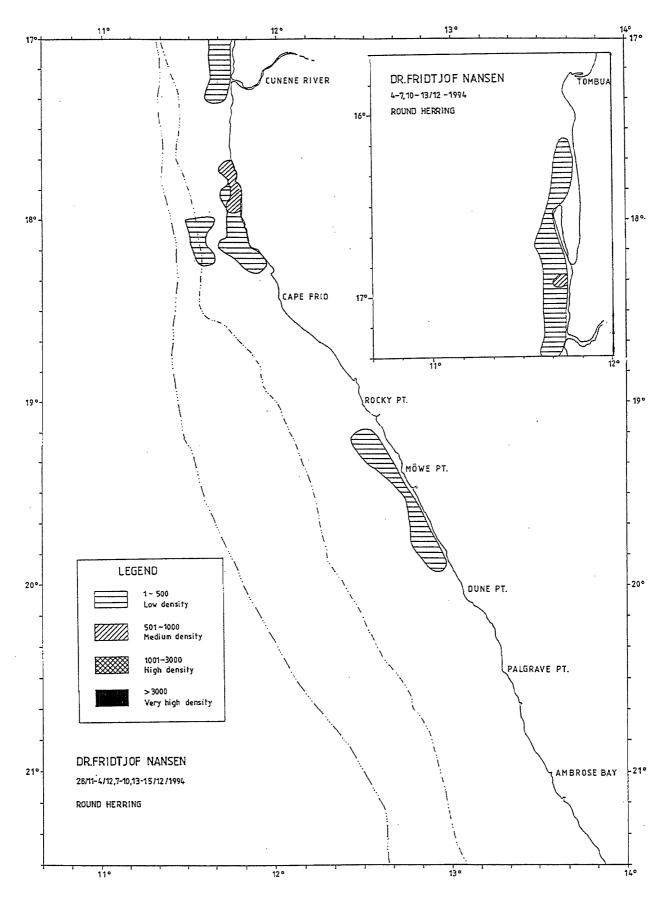


Figure 6 Distribution of round herring, Ambrose Bay - Cunene and Cunene - Tombua.

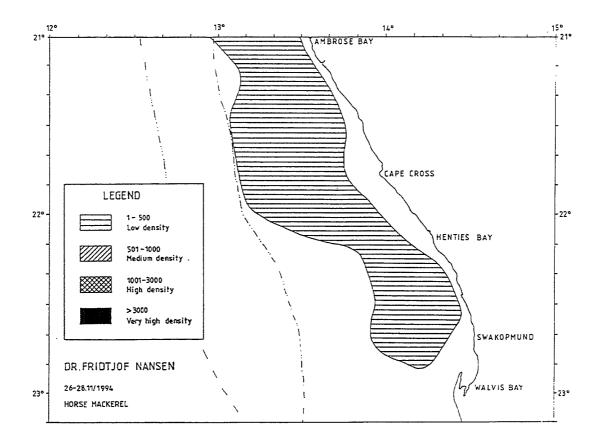


Figure 7a Distribution of horse mackerel, Walvis Bay - Ambrose Bay.

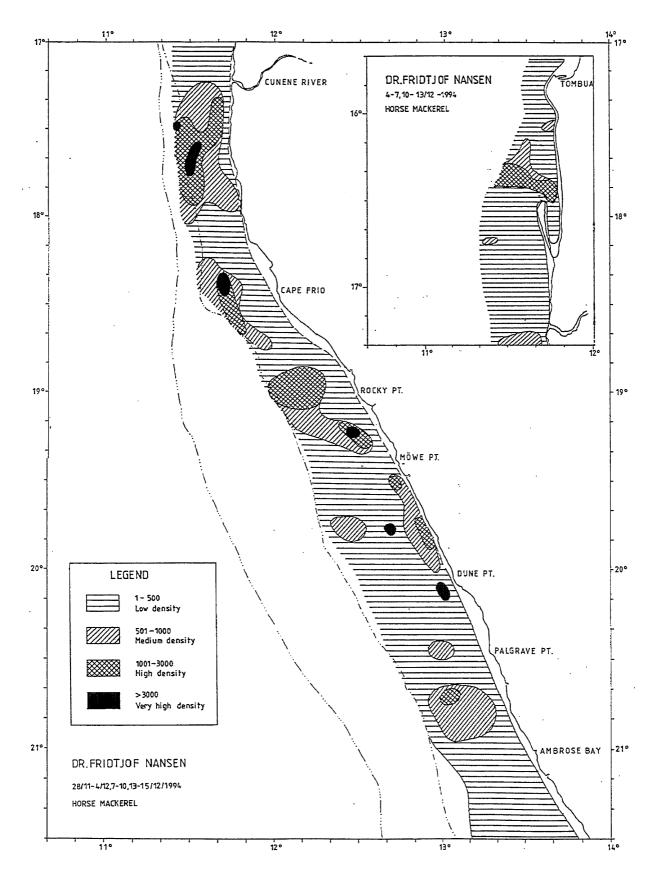


Figure 7b Distribution of horse mackerel, Ambrose Bay - Cunene and Cunene - Tombua.

Horse mackerel were also recorded in this region from inshore waters to the 200 m depth contour. Much of the horse mackerel caught in the inshore trawl catches were small individuals, but offshore and in deeper waters larger sized fish predominated. The offshore zero line was not reached, indicating that there was no separation between the inshore pelagic and offshore mid-water stocks.

### 4.1.3 Cunene River to Tombua

Dense shoals of large-sized pilchard (modal length 24 cm) were recorded in and around Baía dos Tigres. On 5 December a few dense shoals of pilchard were found north of the bay. A few days later little fish was found in this area, but pilchard schools were recorded some 15 NM to the south. When this region was surveyed for a final time on 13 December, pelagic fish were only found in very shallow waters some 20 NM further to the south. There were thus indications of pilchard moving south from the Peninsula dos Tigres towards the Cunene during the survey period.

Several dense pilchard-like schools were recorded between 15°55'S and 16°25'S, but these schools were not caught in targeted trawl hauls and they could not therefore be identified. Random trawl samples taken in the same area at night yielded round and flat sardinella (*Sardinella aurita* and *Sardinella maderensis*) and therefore the identity of these shoals was assumed to be sardinella.

Anchovy and round herring were recorded in dispersed concentrations to the west of the Peninsula dos Tigres. The distribution of round herring extended somewhat further north than anchovy.

Horse mackerel were widely dispersed throughout the whole area although not as abundantly as in the previous region. From around 16°30'S and northwards *Trachurus trecae* replaced *Trachurus capensis*, although some few samples in the area between 16°15'S and 16°50'S contained both species.

# 4.2 ABUNDANCE OF PELAGIC FISH

The biomass estimates per latitude for pilchard, anchovy, round herring and horse mackerel are shown in Table 1. The number and biomass per length group for the four species per area is shown in Annex V and the total number of fish per length group of each species is shown in Annex VI.

Table 1 Est	imated biomass	of pilchard, anch	ovy, round herrir	ng and horse mack	erel per degree.
Area	Pilchard	Anchovy	Round herring	Total	Horse mackerel
16°-17°	72 000	2 000	4 000	78 000	20 000
17°-18°	2 000	-	5 000	7 000	174 000
18°-19°	-	-	-	-	89 000
19°-20°	31 000	19 000	3 000	53 000	197 000
20°-21°	-	-	-	-	141 000
21°-22°	-	-	-	-	35 000
22°-23°	-	-	-	-	5 000
TOTAL	105 000	21 000	12 000	138 000	661 000

#### 4.2.1 Pilchard

The total biomass estimate of pilchard was just over 100 000 tonnes. About 70 % of this occurred in Angola. Some 80% by number were in the length groups less than 22 cm and occurred in Namibia.

This estimate is based on several coverages of the densest areas in which pilchard were recorded. For example, a total of 5 coverages of the Baía dos Tigres were done; 3 at night and 2 during daytime. The day  $S_A$  values ranged from 900 to 1 900 m<sup>2</sup>/NM<sup>2</sup> while those made at night were on average twice as large.

Survey	Mean S <sub>A</sub> value
Day 1 Day 2 Night 1 Night 2 Night 3	1 916 m <sup>2</sup> /NM <sup>2</sup> 894 m <sup>2</sup> /NM <sup>2</sup> 3 224 m <sup>2</sup> /NM <sup>2</sup> 4 473 m <sup>2</sup> /NM <sup>2</sup> 3 857 m <sup>2</sup> /NM <sup>2</sup>
Value used	3 851 m²/NM²

A brief comparison of the echo-sounder and sonar records in this area showed that similar numbers of shoals were present during each coverage, but few were observed on the echosounder during the day. These records need to be more systematically analysed, but indicate avoidance reactions of the fish to the surveying vessel in these very shallow waters. It was therefore decided to use the average of the night values to calculate the pilchard biomass in this area.

In other regions pilchard and other pelagic species usually occurred in deeper waters and avoidance reactions were probably less severe. In each area where more than one coverage was made, the most thorough coverage was used, or if the survey effort was similar the mean  $S_A$  value of the coverages was used to determine the biomass.

The shoals of pilchard in the Möwe Bay area were widely distributed but the biomass was estimated to be in the order of 30 000 tonnes. A second attempt to survey this region more intensively was not possible.

There has been a considerable decline in the estimated biomass of this stock since 1991/1992 (Table 2). The level of abundance is now very low and the stock must be considered as nearly depleted. It is even more alarming considering that recruitment also seems to be negligible.

### 4.2.2 Anchovy and round herring

Almost the entire anchovy biomass was recorded between  $19^{\circ}$  00' and  $20^{\circ}$  00'S and was estimated at only about 20 000 tonnes. This stock is also at a critically low level. The total biomass estimate for round herring was 12 000 tonnes.

### 4.2.3 Horse mackerel

The biomass estimate for *Trachurus capensis* was 660 000 tonnes. As the horse mackerel was found to the outer limits of the survey area, and no separation between the distributions of inshore juvenile and offshore adult horse mackerel occurred, this estimate probably includes some mid-water horse mackerel.

### 4.3 BIOLOGICAL ANALYSIS

### 4.3.1 Length-weight and condition factor

Length-weight curves and regression equations for pilchard and anchovy are reported in Annex VII while the mean condition factors for these two species are in Annex VIII.

The mean condition factor for pilchard in the north tended to be higher than that from fish sampled in the south, although the significance of this has not been tested. The condition factor is higher than recorded during June 1994, but this may be due to the increased gonad weight of the fish sampled during the present survey.

The condition factor of anchovy was similar in all regions.

The condition factor of gonad-free and gutted fish of both species has also been calculated, but no previous data on this factor are available for comparison. These data also indicate that the fish in the north were in a better condition than those further south.

### 4.3.2 Reproductive status

Results for both pilchard and anchovy were tabulated in Annex IX.

The sex ratio of pilchard showed a considerable correlation with size, few males of larger than 26 cm being found. There was some indication of breeding activity in both species, both from the gonad stage and gonad weights.

This was the fifteenth pelagic survey conducted since 1990. The area from Lüderitz to Tombua and from the coast to shelf edge was investigated, either by the 'Dr. Fridtjof Nansen' or the purse seiner 'Ruwekus'. In some areas both vessels worked together. Due to the restricted distribution of the stocks and our improved understanding and knowledge of this distribution, considerably more time was spent in the areas of the fish aggregations than usual. This, together with the assistance of a fishing vessel, ensured that the survey was probably the most thorough coverage conducted to date.

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The dense concentrations of jellyfish caused some problems during trawling and, especially, in determining the proportion of the acoustic values to allocate to fish. In general this problem was more severe in regions of dispersed fish concentrations, such as that formed by horse mackerel, than in regions where shoaling species such as pilchard were found.

The distributions of pilchard, anchovy and round herring were largely within Angolan waters and therefore showed little change from the previous two surveys; in February and June 1994. The distribution of Cape horse mackerel was considerably more widespread, being found throughout the region from Walvis Bay to approximately 16°30'S in Angola. At this latitude Cunene horse mackerel became the dominant *Trachurus* species.

The estimated biomass of all three small pelagic species continues to show signs of a severe decline (Tables 2 and 3). The pilchard stock is now some 15% of the size in 1991/92 and must be considered to be close to depletion. The anchovy and round herring stock are also now at a critically low level.

Table 2 Biomass estimates of pilchard Sardinops ocellatus between 1990 to 1994							
Survey	Vessel	Namibian waters	Angolan waters	Total			
March 1990 June 1990 March 1991 August 1991 November 1991 June 1992 August 1992 November 1992 March 1993 June 1993 August 1993 November 1993 February 1994 June 1994 November 1994	Nansen Nansen Nansen Benguela Nansen/Benguela Benguela Benguela Nansen Benguela Benguela Benguela Nansen/Benguela Nansen Nansen	$\begin{array}{c} 160\ 000\\ 515\ 000\\ 495\ 000\\ 565\ 000\\ 625\ 000\\ 610\ 000\\ 410\ 000\\ 410\ 000\\ 515\ 000\\ 385\ 000\\ 300\ 000\\ 445\ 000\\ 320\ 000\\ 0\\ 20\ 000\\ 35\ 000\\ \end{array}$	n.s. n.s. n.s. n.s. 155 000 45 000 n.s. n.s. 50 000 105 000 n.s. n.s. 250 000 240 000 70 000	- - - 780 000 655 000 - 435 000 405 000 - 250 000 260 000 105 000			

n.s. = not surveyed

Few signs of any recruitment of these three species were found. Some few young pilchard were sampled south of Rocky Point, but these will have little impact when they recruit to the fishable part of the stock.

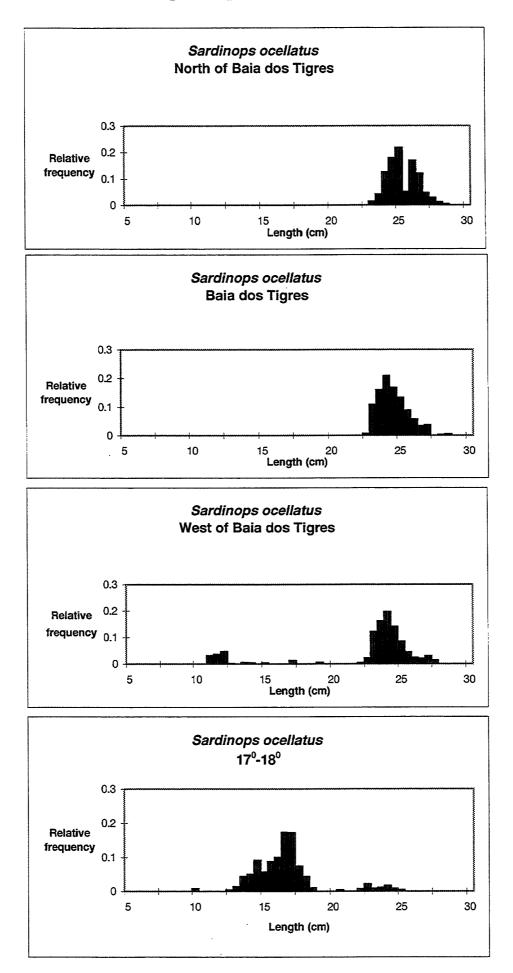
The pelagic Cape horse mackerel stock seems to be in a fairly robust state, at least compared to the other commercially important pelagic species.

In summary, the results of this survey support the previous surveys

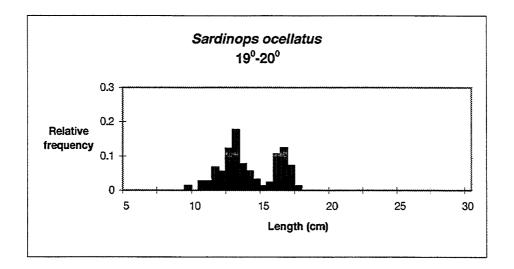
round herring Etrumeus whiteheadi between 1990 and 1994. Survey Vessel Anchovy/ Round herring March 1990 Nansen 170 000 June 1990 Nansen 140 000 March 1991 180 000 Nansen August 1991 345 000 Benguela 325 000 November 1991 Nansen/Benguela 175 000 June 1992 Nansen/Benguela August 1992 250 000 Benguela November 1992 17 000 Benguela March 1993 335 000 Nansen 230 000 June 1993 Nansen August 1993 220 000 Benguela November 1993 250 000 Benguela June 1994 120 000 Nansen November 1994 30 000 Nansen

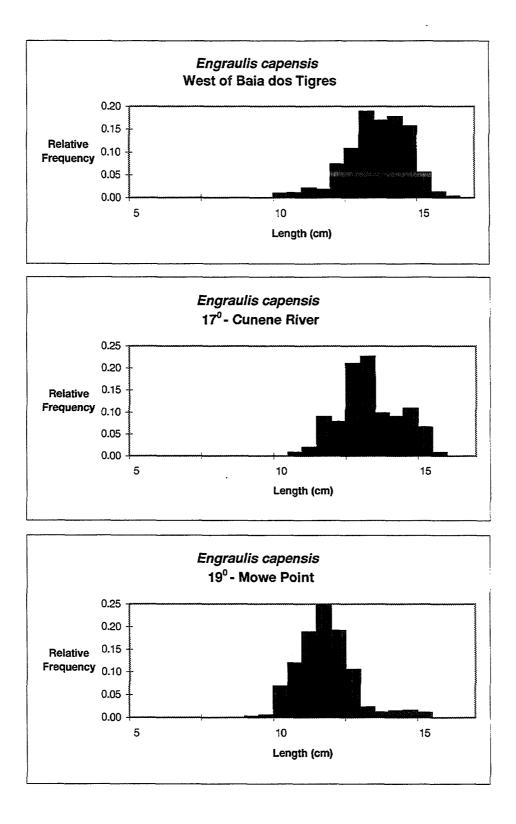
Table 3 Biomass estimates of anchovy Engraulis capensis and

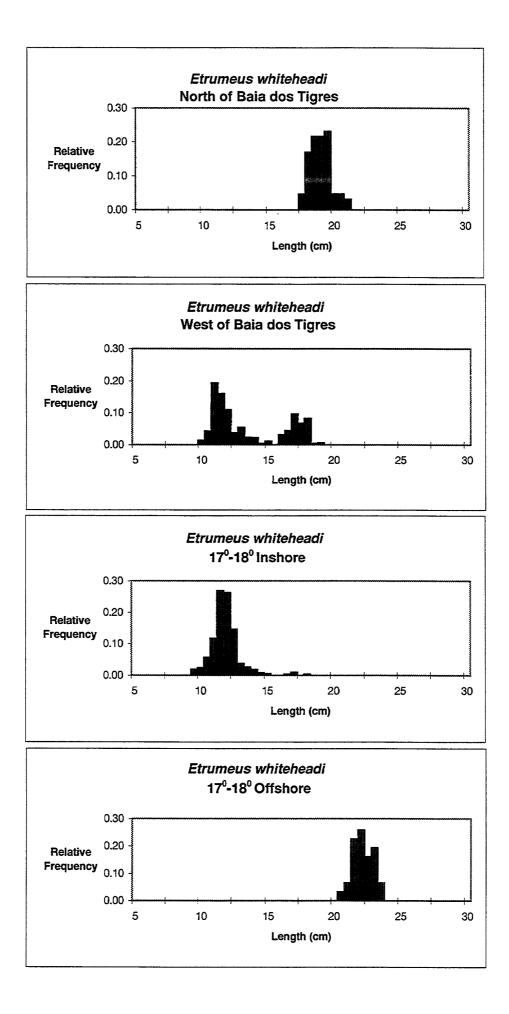
of 1994, but show that the decline in the small pelagic stocks seems to be continuing. The stocks are now so small that the chances of good recruitment are probably very small. The lack of recruitment in 1994 means that any recovery of the stock is unlikely in 1995.

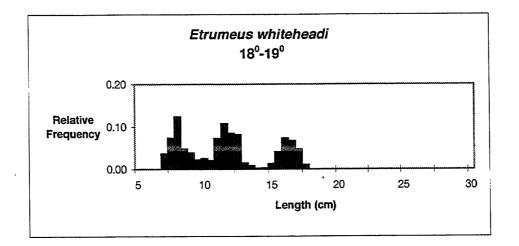


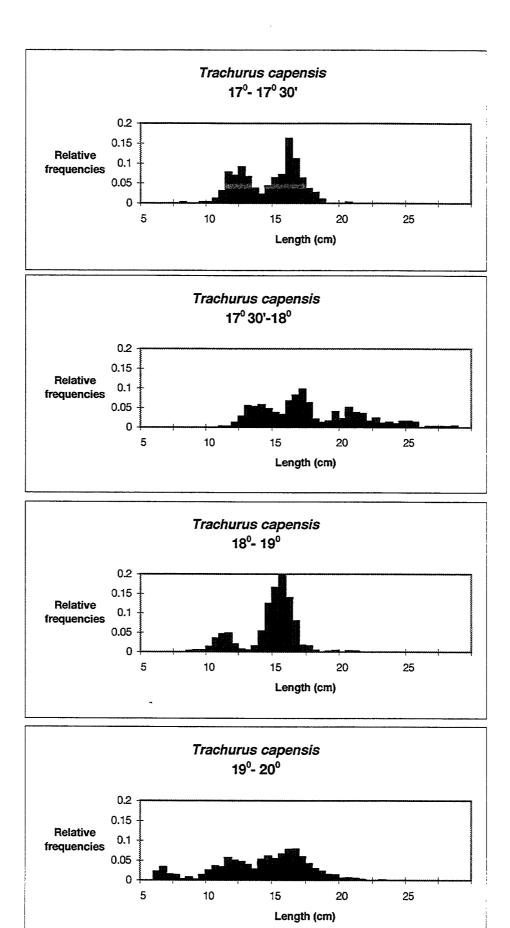
Annex I Length frequency distributions by area

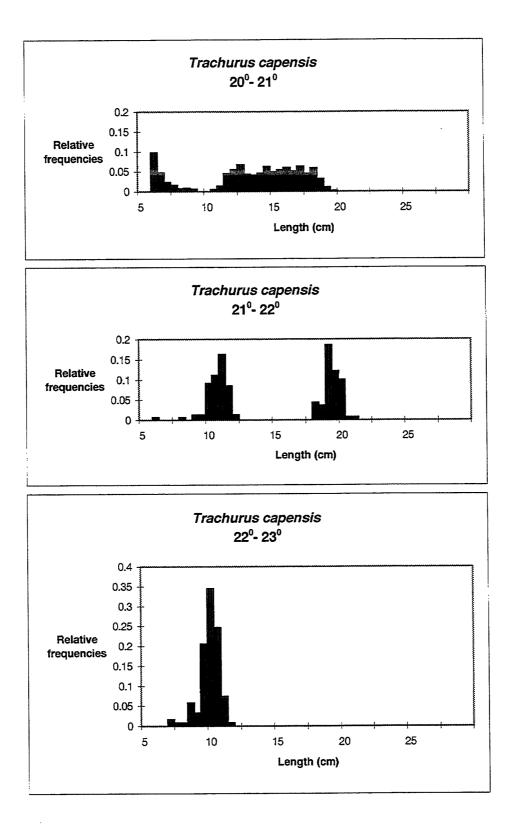












# Annex II Summary of trawl stations

roud no	1	·		Catch by s		tal actob		Total
'rawl no.	Latitude	Bottom	Headrope		becies (% of to	1	Etrumouro	Total
	(90)	depth	depth	Trachurus	Sardinops	Engraulis	Etrumeus	catch
(77	(°S)	(m)	(m)	capensis			whiteheadi	(kg)
677	21°30	100	5	36.4	0.0	2.4	0.0	7
678	21°30	127	5	0.0	0.0	0.0	14.9	5
681	21°00	146	10	66.0	0.0	0.0	0.0	20
682	20°50	116	1 10	90.8	0.0	0.0	0.0	92
683	20°43	43	10	79.3	0.0	0.5	0.0	759
685	20°29	90	50	0.2	0.0	0.0	0.0	42
687	20°06	28	28	96.5	0.0	0.0	0.0	3108
689	20°00	28	10	50.7	0.0	0.4	0.2	88
690	20°00	131	10	67.1	0.0	0.0	0.0	7
692	19°40	56	10	0.2	0.0	69.6	20.5	101
693	19°45	28	12	5.0	0.0	0.0	0.0	2402
694	19°45	107	107	72.7	0.0	0.0	0.0	1886
697	19°34	34	17	2.2	· 34.4	47.6	15.1	2015
698	19°26	126	10	100.0	0.0	0.0	0.0	1
699	19°23	40	10	94.9	0.0	1,2	0.6	63
701	19°17	94	10	99.3	0.0	0.0	0.0	1201
702	19°13	74	45	73.8	2.0	21.5	1.9	8073
702	19°04	34	10	56.1	0.2	0.0	0.0	27
		·		95.9				1868
705	18°58	188	188		0.0	0.0	0.0	
706	19°00	54	10	0.4	0.3	98.4	0.3	1471
710	18°34	94	10	100.0	0.0	0.0	0.0	0
711	18°24	143	143	94.6	0.0	0.0	0.0	4017
712	18°13	208	0	66.1	0.0	0.0	5.6	102
713	18°08	27	10	31.1	42.4	1.5	18.7	1115
714	18°00	211	10	50.0	0.0	0.0	10.6	1
715	17°53	34	10	0.3	0.0	0.6	27.9	6
716	17°51	90	90	35.5	0.0	0.0	0.0	749
717	17°33	150	120	100.0	0.0	0.0	0.0	5000
718	17°31	64	15	100.0	0.0	0.0	0.0	269
719	17°27	146	10	100.0	0.0	0.0	0.0	390
720	17°24	30	10	31.0	0.0	65.8	0.6	83
721	17°18	121	10	100.0	0.0	0.0	0.0	13
724	16°47	107	10	99.8	0.0	0.0	0.0	24
725	16°42	37	5	98.8	0.0	0.0	0.0	341
727	16°37	117	117	64.2	0.0	0.0	0.0	988
728	16°29	16	0	0.0	99.0	0.0	0.0	5214
730	16°21	55	10	10.3	52.8	0.0	0.0	139
732	: 16°14	51	10	55.5	0.0	0.0	0.0	1
735	16°14	28	10	0.0	0.2	0.0	2.4	100
736	16°47	32	0	97.3	1.9	0.0	0.8	4354
737	17°36	32	1 10	0.1	98.7	0.0	0.8	1379
738	17°16	28	10	9.6	1.0	30.0	55.1	248
741	16°50	28	10	0.0	0.0	0.0	1.1	359
742	16°48	25	10	0.0	91.1	3.9	4.3	1052
743	16°45	18	0	0.0	41.9	8.8	7.7	12
744	16°40	57	0	0.0	75.2	3.3	1.1	455
745	16°38	15	10	0.0	97.5	- 0.0	0.0	8874
749	16°29	10	0	0.0	97.0	0.0	0.0	2988
750	16°21	33	10	0.0	4.7	0.4	0.7	54
753	16°11	33	0	0.0	4.31	0.29	0.62	69
754	16°51	11	11	0.0	0.36	33.88	19.56	2607
755	16°59	14	10	0.0	99.44	0.0	0.0	101
756	19°09	35	20	0.0	60.4	0.0	30.3	100
758	19°55	130	70	100.0	0.0	0.0	0.0	1000

•

# Annex III Records of fishing stations

DATE:26/11/94 GEAR TYF start stop duration TIME :14:55:00 15:15:00 20 (min) LOG :4211.40 4212.30 0.90 FDEPTH: 0 0 BDEPTH: 66 63 Towing dir: 75* Wire out:	Area code : 2 GearCond.code: Validity code:	2235 Di 1416 T: Li Fi	ATE:28/11/94 start stop du IME:02:45:00 03:00:00 OG:4540.40 4541.30 0 DEPTH: 5 5 DEPTH: 100 99 Towing dir: 93* W	aration 15 (min) Purpose 0.70 Area coo GearCond Validity	code: 1 de : 2 d.code: y code:	
Sorted: 8 Kg Total catch:	39.75 CATCH/HOUR: 119	. 25	Sorted: 5 Kg Tota	al catch: 7.42	CATCH/HOUR:	29.68
SPECIES Trachurus, Juveniles Total	weight numbers	Trach Trach	ES ites atun urus, Juveniles ipterus trachypterus ulis capensis	CATCH/I weight 1 16.56 10.80 1.60 0.72	HOUR & OF TOT. numbers 100 55.80 924 36.39 8 5.39 48 2.43	2316 2317
DATE:26/11/94 GEAR TYI start stop duration TIME 19:43:00 20:08:00 24 (min) LOG :4251.60 4252.80 1.20 FDEFTH: 0 BDEFTH: 113 115 Towing dir: 281* Wire out: Sorted: Kg Total catch:	Area code : 2 GearCond.code: Validity code:	2225 1354 D T L F	ATE:28/11/94 start stop di IME:04:40:00 05:00:00 OG:4555.10 4556.20 1 DEPTH: 5 5 DEPTH: 12 129	uration 20 (min) Purpose	code: 1 de : 2 d.code: y code:	10N: 678
SPECIES	CATCH/HOUR & OF TOT. C weight numbers	SAMP	Sorted: 1 Kg Tota	al catch: 5.36	CATCH/HOUR:	16.08
NO CATCH		Etrum	ES tites atun meus whiteheadi tecius capensis, juvenile	CATCH/ weight 13.20 2.40 s 0.48	HOUR & OF TOT. numbers 144 82.09 24 14.93 504 2.99	9 2318 3 2319
DATE:26/11/94 GEAR TY start stop duration TIME :22:18:00 22:38:00 20 (min LOG :4271.00 4272.00 1.00 FDEFTH: 0 0 BDEFTH: 81 78 Towing dir: 73* Wire out:	Area code : 2 GearCond.code: Validity code:	2220 Total 1406	DATE: 28/11/94	GEAR TYPE: PT No: uration 16 (min) Purpose	Long	rion: 679
Sorted: Kg Total catch: SPECIES	weight numbers	I	LOG :4594.20 4595.10 TDEPTH: 70 70 3DEPTH: 102 102 Towing dir: 270* 1	0.90 Area co GearCon Validit Wire out: 300 m Sp	ode : 2 nd.code: cy code: need: 32 kn*10	
NO CATCH Total	0.00		Sorted: Kg Tot	al catch: 0.13	GATCH/HOUR:	0.49
	Area code : 2 GearCond.code: Validity code: 100 m Speed: 30 kn*10	675 Merlu 2144 1346 Total	accius capensis, juvenile accius capensis, juvenile l DATE:28/11/94 start stop d TIME :10:51:00 11:08:00	GEAR TYPE: PT No: luration 17 (min) Purpose	numbers 128 100.00 100.00 PROJECT STA: 5 POSITION:Lat Long code: 1	0 2321 0 TION: 680
SPECIES	weight numbers	SAMP I	LOG :4601.20 4602.00 FDEPTH: 0 0 BDEPTH: 94 97 Towing dir: 270*	GearCon	nd.code: ty code:	
Thyrsites atun	1214.10 354 100.00 1214.10 100.00	2313	Sorted: 18 Kg Tot	al catch: 18.69	9 CATCH/HOUR:	65.96
start stop duration TIME :18:46:00 19:08:00 22 (min		2145 Traci 1350 Thyr:	IES sites atun hurus, Juveniles sites atun hurus, Juveniles	CATCH, weight 65.82 0.15 0.00 0.00		9 2323
LOG :4466.20 4467.20 1.00 FDEPTH: 25 35 BDEPTH: 58 61 Towing dir: 285° Wire out:	Area code : 2 GearCond.code: Validity code: 100 m Speed: 29 kn*10	Tota	1	65.97	100.0	2
Sorted: 3 Kg Total catch: SPECIES Merluccius capensis, juveniles Total	58.20 CATCH/HOUR: 150 CATCH/HOUR \$ OF TOT. C weight numbers 158.73 100.00 158.73 100.00	SAMP 2314	TIME         :22:21:00         22:33:00           LOG         :4708.30         4709.00           FDEPTH:         10         10           BDEPTH:         146         142	0.70 Area co GearCo	Long e code: 1 ode : 2 nd.code: ty code:	
						102.25
			Sorted: 20 Kg Tot	tal catch: 20.4	5 CATCH/HOUR:	102.23
			IES hurus capensis sites atun	CATCH	5 CATCH/HOUR: /HOUR % OF TOT. numbers 1235 66.0 10 33.9 100.0	C SAMP 01 2324 99 2325

start stop duration TIME :01:17:00 01:27:00 10 (r LOG :4732.00 4732.70 0.70 FDEPTH: 10 10 BDEPTH: 16 116	PROJECT STATION: 682 TYPE: PT No:2 POSITION:Lat S 2050 in) Purpose code: 1 Area code: 3 GearCond.code: Validity code: t: 100 m Speed: 32 kn*10	PROJECT STATION: DATE:29/11/94 CEAR TYPE: BT No:6 POSITION:Lat \$ 2 start stop duration. Long E 1 TIME :17:33:00 17:38:00 5 (ain) Purpose code: 1 Log :4870.30 4870.60 0.30 Area code : 3 FDEPTH: 28 31 Gearcond.code: BDEPTH: 28 31 Gearcond.code: Towing dir: 283* Wire out: 100 m Speed: 32 kn*10	2006
Sorted: 28 Kg Total cate	h: 92.45 CATCH/HOUR: 554.70	Sorted: 142 Kg Total catch: 3108.45 CATCH/HOUR: 37301.	40
SPECIES	CATCH/HOUR % OF TOT. C SAMP		SAMP
Trachurus capensis Thyrsites atun Merluccius capensis, juveniles	weight numbers 503.52 10998 90.77 2326 50.70 30 9.14 2328 0.48 18 0.09 2327		2337 2338
Total	554.70 100.00	Total 37301.40 95.99	
start stop duration TIME :03:25:00 00:29:00 10 (r LOG :4747.30 4747.90 0.60 FDEPTH: 10 10 BDEPTH: 43 49 Towing dir: 27* Wire ou	<pre>nin) Purpose code: 1     Area code : 3     GearCond.code:     Validity code:     validity code:     100 n Speed: 33 kn*10</pre>	PROJECT STATION: DATE:29/11/94 GEAR TYPE: PT No:1 POSITION:Lat S 2 start stop duration Long E 1 TIME :18:55:00 19:02:00 7 (min) Purpose code: 1 Log :4881.20 4881.70 0.50 A rea code : 3 FDEPTH: 40 40 GearCond.code: BDEPTH: 95 94 Validity code: Towing dir: 254* Wire out: 200 m Speed: 30 kn*10 Sorted: 7 Kg Total catch: 7.33 CATCH/HOUR: 62.	2008
Sorted: 31 Kg Total cat	m: /59.01 CRICH/HODR: 4554.00	Solled: / Ky lotal Catch: /.50 CRICH/HOOK: 02.	.37
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	weight numbers	БАМР
Trachurus capensis Argyrosomus hololepidotus	3612.00 119280 79.31 2332 496.50 138 10.90 2329 331.20 126 7.27 2330	Thyrsites atum         57.00         17         91.10           Zu elongatus         5.57         9         8.90	
Thyrsites atun Galeichthys feliceps Merluccius capensis, juveniles Engraulis capensis Krill	51.20         120         7.27         2330           58.80         240         1.29         24.60         600         0.54         2333           23.52         1560         0.52         2331         6.00         0.13	. Total 62.57 100.00	
Todaropsis eblanae Etrumeus whiteheadi	0.60 120 0.01 0.48 120 0.01	PROJECT STATION: DATE:29/11/94 GEAR TYPE: PT No:2 POSITION:Lat S 2	2000
Sufflogobius bibarbatus Total	0.36 120 0.01 4554.06 99.99	start stop duration Iong E 1 TIME :22:23:00 22:33:00 10 (min) Purpose code: 1 LOG :4903.50 4910.20 0.70 Area code : 3 FDEPTH: 10 10 GearCond.code: BDEPTH: 28 31 Validity code:	1300
	PROJECT STATION: 584	BDEPTH: 28 31 Validity code: Towing dir: 270° Wire out: 100 m Speed: 34 kn*10	
TIME :06:11:00 06:21:00 10 () LOG :4772.30 4772.90 0.60 FDEFTH: 10 10 BDEFTH: 179 201 Towing dir: 270* Wire on Sorted: Kg Total cat SPECIES N 0 C A T C H Total	Area code : 3 GearCond.code: Validity code: t: 100 m Speed: 35 kn*10	weight         numbers           Trachurus capensis         267.30         13956         50.67         2           Callorhinchus capensis         161.70         114         30.65           Thyrsites atun         43.20         24         8.19           Argyrosomus hololepidotus         16.80         6         3.18           Myliobatis aquila         15.30         6         2.90           Galeichthys feliceps         14.58         60         2.76           Chelidonichthys capensis         3.48         90         0.66           Engraulis cepensis         2.22         150         0.42         2           Etrumeus whiteheadi         1.26         318         0.24         2	SAMP 2341 2339 2340 2342
start stop duratio TIME :09:36:00 09:43:00 7 (: LOG :4801.50 4801.80 0.30 FDEPTH: 50 50 BDEPTH: 90 91	min) Purpose code: 1 Area code : 3 GearCond.code: Validity code: ut: 250 m. Speed: 30 kn=10	PROJECT STATION: DATE:30/11/94 CEAR TYPE: PT No:2 POSITION:Lat 5 2 start stop duration Long E 1 TIME :01:19:00 101 (min) Purpose code: 1 LOG :4933.50 4934.10 0.60 Area code : 3 FDEPTH: 10 10 GearCond.code: BDEPTH: 131 133 Validity code: Towing dir: 270* Wire out: 100 m Speed: 33 kn*10	2000
SPECIES	CATCH/HOUR & OF TOT. C SAMP	Sorted: 3 Kg Total catch: 7.24 CATCH/HOUR: 43.	.44
Thyrsites atun Small squids Trachurus capensis	weight numbers 354.43 120 99.47 2335 1.29 51 0.36 0.60 17 0.17 2334	weight numbers Trachurus capensis 29.16 1248 67.13 2	SAMP 2343
Total	356.32 100.00	Thyrsites atum         11.40         12         25.24	2344
start stop duratio TIME:15:46:30 15:51:00 5 ( LOG :4839.10 4838.40 0.30 FDEPTH: 50 55 BDEPTH: 215 215 Towing dir: 270° Wire o	min) Purpose code: 1 Area code : 3 GearCond.code: Validity code: ut: 200 m Speed: 30 kn*10	Total     43.44     100.00       PROJECT STATION:     PROJECT STATION:       DATE:30/11/94     GEAR TYPE: PT No:2     POSITION:Lat S       start     stop duration     Long E       TIME: 05:24:00     05:24:00     10 (min) Purpose code: 1       LOG     :4967.20     4968.70     0.60       FDEPTH:     10     10     Gearcond.code:       BDEPTH:     86     84     Validity code:	1949
Sorted: 1 Kg Total cat	ch: 2.00 CATCH/HOUR: 24.00	Towing dir: 65° Wire out: 100 m Speed: 33 kn*10 Sorted: 6 Kg Total catch: 5.55 CATCH/HOUR: 33	. 30
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers		
Trachurus, Juveniles Schedophilus huttoni Todaropsis eblanae	8.40 3696 35.00 2336 7.92 24 33.00 7.68 552 32.00	weight numbers Thyrsites atum 33.30 18 100.00	SAMP 2345
Total .	24.00 100.00	Total 33.30 100.00	

		OJECT STATION:	
start stop duration	E: PT No:2 POSI	Long E	1940 1251
TIME :06:11:D0 06:31:00 20 (min) LOG :4972.90 4974.20 1.30 FDEPTH: 10 10	Area code : . GearCond.code:	3	
FDEPTH: 10 10 BDEPTH: 56 65 Towing dir: 250° Wire out: 1	Validity code:	kn*10	
Sorted: 23 Kg Total catch:			. 38
solled. 25 kg lotal cuton.	101140 0010		
SPECIES	CATCH/HOUR weight numbers	OF TOT. C	SAMP
Engraulis capensis Etrumeus whiteheadi	211.89 20214 62.37 5553	59.61 20.49	2346 2347
Thyrsites atun Trachurus capensis	29.40 9 0.72 B4	9.66	2011
Total	304.38	100.00	
10001			
	PR	OJECT STATION:	693
DATE:30/11/94 GEAR TYP start stop duration	E: PT No:3 POSI		1945
TIME :07:47:00 08:01:00 14 (min) LOG :4981.50 4982.50 1.00	Purpose code: Area code :	1 3	
FDEPTH: 12 12 BDEPTH: 28 29	GearCond.code: Validity code:		
Towing dir: 327* Wire out:	100 m Speed: 33	kn*10	
Sorted: 393 Kg Total catch:	2402.35 CATC	H/HOUR: 1029	5.79
SPECIES	CATCH/HOUR	S OF TOT. C	SAMP
	weight numbers 8755.71 365910	85.04	2348
Thyrsites atun Argyrosomus hololepidotus	1518.00 441 12.86 4	14.74	2349
Callorhinchus capensis	9.21 4	0.09	
Total	0295.78	99.99	
DATE: 30/11/94 GEAR TYP		ROJECT STATION TION:Lat S	1945
start stop duration TIME :09:59:00 10:07:00 8 (min)	Purpose code:	Long E 1	1239
LOG :5000.00 5000.50 0.50 FDEPTH: 107 105	Area code : GearCond.code:	3	
BDEPTH: 107 105 Towing dir: 90° Wire out:	Validity code: 400 m Speed: 31	kn*10	
Sorted: 34 Kg Total catch:	1886.40 CATC	CH/HOUR: 1414	8.00
SPECIES	weight numbers		SAMP
Trachurus capensis Merluccius capensis, juveniles	10290.00 234165 3858.00 462000		2350 2351
Total	14148.00	100.00	
start stop duration TIME :12:05:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152	PE: PT No:2 POS ) Purpose code: Area code : GearCond.code: Validity code:	Long E 1 3	1944
start         stop         duration           TIME         :12:05:00         10         (min           LOG         :5017.70         0.50            FDEPTH:         10         10            BDEPTH:         152         152            Towing dir:         270*         Wire out:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30	ITION:Lat S Long E 1 3 kn*10	1944 1222
start stop duration TIME :12:05:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30	ITION:Lat S Long E 1 3 kn*10	1944
start stop duration TIME :12:05:00 12:15:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152 Towing dir: 270* Wire out:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: & OF TOT. C	1944 1222
Start         stop         duration           TIME         12:05:00         10         (min           LOG         :5017.20         5017.70         0.50           FDEPTH:         10         10           BDEPTH:         152         152           Towing dir:         270*         Wire out:           Sorted:         Kg         Total catch:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: % OF TOT. C	1944 1222 1.44
SPECIES Start stop duration TIME :12:05:00 12:15:00 10 (min LGG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152 Towing dir: 270* Wire out: Sorted: Kg Total catch: SPECIES	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: % OF TOT. C	1944 1222 1.44 SAMP
Start         stop         duration           TIME         :12:05:00 10 (min         LOG         :5017.20 5017.70 0.50           FDEFTH:         10         ID         ID         ID           FDEFTH:         12 15:2         IS2         Towing dir: 270*         Wire out:           Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: \$ OF TOT. C 100.00	1944 1222 1.44 SAMP
start stop duration TIME :12:05:00 12:15:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152 Towing dir: 270° Wire out: Sorted: Kg Total catch: SPECIES Trachurus, Juveniles Total	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 44	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 ROJECT STATION	1944 1222 1.44 SAMP 2352
DATE: 30/11/94 DATE: 30/11/94	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 2.44 PE: PT No:1 POS	ITION:LAL S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 ROJECT STATION ITION:LAL S LONG E	1944 1222 1.44 SAMP 2352 2:596 1941
Start         stop         duration           TIME         :12:05:00 12:15:00 10 (min           LOG         :5017.70 0.50           FDEPTH:         10           BDEFTH:         152           Towing dir:         270*           Species         Trachurus, Juveniles           Total         DATE:           DATE:         :30/11/94           GEAR TY         start           Stop         duration           TIME         :14:13:00           Mate         :50:30	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 ROJECT STATION ITION:Lat S Long E 2 3	1944 1222 1.44 SAMP 2352 2:596 1941
Start         stop         duration           TIME         :12:05:00 10:100 10 (min         LOG         :5017.70 0.50           LOG         :5017.20 5017.70 0.50         FDEPTH: 10 10         EDEPTH: 152 152           Towing dir:         270*         Wire out:         Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles         Total         Total         Total         DATE: 30/11/94         GEAR TY           DATE:         :30/11/94         GEAR TY         Start         stop         duration           TIME         :14:13:00 14:23:00 10 (min         LOG         :5031.70 5032.30 .60         FDEPTH: 50 50	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 2 3	1944 1222 1.44 SAMP 2352 2:596 1941
Start         stop         duration           TIME         :12:05:00         10         (min           LOG         :5017.20         0.50         .50           FDEPTH:         10         10         EDEPTH:         12:15:2           Towing dir:         270°         Wire out:         Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles         Total	PE: PT No:2 POS: Area code : GearCond.code: Validity code: Validity code: 0.24 CATY CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 2 3	1944 1222 1.44 SAMP 2352 2:596 1941
Start         stop         duration           TIME         :12:05:00         10         (min           LOG         :5017.20         0.50         FOEPTH:         10           DDEPTH:         12         152         Towing dir:         270*         Wire out:           Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles         Total           DATE:         30/11/94         GEAR TY           Start         stop         duration           TIME         14:13:00         14:23:00         10           LOG         :5031.70         5032.30         0.60           FPEPTH:         50         50         BDEPTH:         149           Towing dir:         70' Wire out:         Towing dir:         70' Wire out:	PE: PT No:2 POS: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR:	1944 1222 1.44 SAMP 2352 3: 596 1941 1221
Start         stop         duration           TIME         :12:05:00         10         (min           LOG         :5017.20         12:15:00         10           PDEPTH:         10         10         EDEPTH:         152           Towing dir:         270°         Wire out:         Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles         Total	PE: PT No:2 POS: Area code : GearCond.code: Validity code: Validity code: 0.24 CATY CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR:	1944 1222 1.44 SAMP 2352 3: 596 1941 1221
THE :12:05:0C 12:15:0C 10 (min LOG :5017.2C 5017.7C 0.5D FDEPTH: 12 152 152 Towing dir: 270° Wire out: Sorted: Kg Total catch: SPECIES Trachurus, Juveniles Total DATE:30/11/94 GEAR TY start stop duration TIME :14:13:0C 14:22:0C 10 (min LOG :5031.7C 5032.3C 0.60 FDEPTH: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR:	1944 1222 1.44 SAMP 2352 3: 596 1941 1221
TIME :12:05:00 12:15:00 10 (min LOG :5017.20 5017.70 0.50 FDEFTH: 10 10 EDEFTH: 152 152 Towing dir: 270° Wire out: Sorted: Kg Total catch: SPECIES Trachurus, Juveniles Total DATE: 30/11/94 GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 0.60 FDEFTH: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch: SPECIES	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR:	1944 1222 1.44 SAMP 2352 3: 596 1941 1221
TIME :12:05:00 12:15:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 10 10 BDEPTH: 152 152 Towing dir: 270° Wire out: Sorted: Kg Total catch: SPECIES Trachurus, Juveniles Total DATE:30/11/94 GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 0.60 FDEPTH: 50 50 BDEPTH: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch: SPECIES N 0 C A T C H	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION: Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION: Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C	1944 1222 1.44 SAMP 2352 5:596 1941 1221 SAMP
Start stop duration       TIME :12:05:00 12:15:00 10 (min       LOG :5017.20 517.70 0.50       FDEPTH: 15 152       Towing dir: 270° Wire out:       Sorted: Kg Total catch:       SPECIES       Trachurus, Juveniles       Total       DATE: 30/11/94       GEAR TY       Start stop duration       TIME :14:13:00 14:23:00 10 (min       LOG :50:17.05 050       BDEPTH: 150       Sorted: Kg Total catch:       SPECIES       Total	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:LAL S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:LAL S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C	1944 1222 1.44 SAMP 2352 : 596 1941 1221 SAMP SAMP
DATE: 30/11/94 DATE: 30/11/94	PE: PT No:2 POS: ) Purpose code: Area code GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 	ITION:LAL S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:LAL S Long E 1 * OF TOT. C 	1944 1222 1.44 SAMP 2352 : 596 1941 1221 SAMP SAMP
Start         stop         duration           TIME         :12:05:00         10:(min           LOG         :5017.20         5017.70         0.50           PDEPTN:         10         10           EDEPTN:         12:15:00         12:15:00           Towing dir:         270°         Wire out:           Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles	PE: PT No:2 POS: Area code : GearCond.code: Validity code: Validity code: Validity code: Validity code: 0.24 CATY CATCH/HOUR weight numbers 1.44 504 	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C Long E 1 3	1944 1222 1.44 SAMP 2352 : 596 1941 1221 SAMP SAMP
Start         stop         duration           TIME         12:05:00         12:15:00         10           IDGE         5017.20         0.50           FDEPTH:         10         10           BDEFTH:         12         152           Towing dir:         270°         Wire out:           Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 1.44 504 44 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS	ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C Long E 1 3	1944 1222 1.44 SAMP 2352 : 596 1941 1221 SAMP SAMP
Sign         Sign         Sign         Sign           TIME         12:05:00         12:15:00         10           IDGE         5017.20         0.50           FDEPTH:         10         10           BDEFTH:         12         152           Towing dir:         270°         Wire out:           Sorted:         Kg         Total catch:           SPECIES         Trachurus, Juveniles	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 1.44 504 44 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 2 3 kn*10 CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C CH/HOUR: * OF TOT. C	1944 1222 1.44 SAMP 2352 5.596 1941 1221 SAMP SAMP SAMP
TIME : 12:05:00 12:15:00 10 (min LOG :5017.20 0.5017.70 0.50 FDEPTH: 12 152         Towing dir: 270* Wire out: Sorted: Kg Total catch:         SPECIES         Trachurus, Juveniles         Total         DATE: 30/11/94       GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 .60 FDEPTH: 149 146 Towing dir: 70* Wire out: Sorted: Kg Total catch:         SPECIES         N 0 C A T C H Total         DATE: 30/11/94       GEAR TY Start stop duration TIME :17:18:00 17:33:00 15 (min LOG :5058.9C 5059.80 0.90 FDEPTH: 17 13:00 17:33:00 15 (min LOG :5058.9C 5059.80 0.90 FDEPTH: 27 17 BDEPTH: 27 17 BDEPTH: 27 17 BDEPTH: 34 40 Towing dir: 240* Wire out:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CATY CATCH/HOUR weight numbers 1.44 504 	ITION: Lat S Long E 1 3 kn*10 CH/HOUR: 4 OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION: Lat S Long E 1 3 kn*10 CH/HOUR: 4 OF TOT. C 	1944 1222 1.44 SAMP 2352 52 52 52 52 52 52 52 52 52 52 52 52 5
TIME : 12:05:00 12:15:00 10 (min LOG :5017.20 0.5017.70 0.50 FDEPTH: 12 152         Towing dir: 270* Wire out: Sorted: Kg Total catch:         SPECIES         Trachurus, Juveniles         Total         DATE: 30/11/94       GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 0.60 FDEPTH: 149 146 Towing dir: 70* Wire out: Sorted: Kg Total catch:         SPECIES         N 0 C A T C H Total         DATE: 30/11/94       GEAR TY Start stop duration TOTAL         DATE: 30/11/94       GEAR TY Sorted: Kg Total catch:         SPECIES         N 0 C A T C H Total         DATE: 30/11/94       GEAR TY Start stop duration TIME 17:18:00 17:33:00 15 (min LOG :5058.9C 5059.80 0.90 FDEPTH: 17 18:00 15 (min LOG :5058.9C 5059.80 0.90 FDEPTH: 27 17 BDEPTH: 27 17 BDEPTH: 34 40 Towing dir: 240* Wire out:	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 1.44 504 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 CAT CATCH/HOUR weight numbers 0.00 ACT CATCH/HOUR weight numbers 100 m Speed: 35 2015.10 CAT CATCH/HOUR weight numbers	ITION:Lat S Long E Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR: * OF TOT. C 1 kn*10 kn*10 cH/HOUR: 800 * OF TOT. C	1944 1222 1.44 SAMP 2352 52 52 52 52 52 52 52 52 52 52 52 52 5
TIME :12:05:06 12:15:00 10 (min LOG :5017.20 5017.70 0.50 FDEPTH: 12 152 Towing dir: 270° Wire out: Sorted: Kg Total catch: SPECIES Trachurus, Juveniles Total DATE: 30/11/94 GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 0.60 FDEPTH: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch: SPECIES N 0 C A T C H Total DATE: 30/11/94 GEAR TY Start stop duration TIME :17:18:00 17:33:00 15 (min LOG :5059.96 5059.80 0.90 FDEPTH: 34 40 Towing dir: 240° Wire out: Sorted: 19 Kg Total catch: SPECIES Epgraulis capensis	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 1.44 504 2.44 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers 0.00 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 35 2015.10 CAT CATCH/HOUR weight numbers 3837.20 555032 2770.80 177732	ITION: Lat S Long E 1 3 kn*10 CH/HOUR: • OF TOT. C 100.00 100.00 ROJECT STATION ITION:Lat S Long E 1 3 kn*10 CH/HOUR: • OF TOT. C CH/HOUR: 800 • OF TOT. C 1 3 kn*10 CH/HOUR: 800 • OF TOT. C 1 3 kn*10 CH/HOUR: 800 • OF TOT. C 1 3 	1944 1222 1.44 SAMP 2352 52 52 52 52 52 52 52 52 52 52 52 52 5
TIME :12:05:00 12:15:00 10 (min LOG :5017.20 5017.70 0.50 PDEPTN: 12 10 10 BDEPTN: 152 152 Trachurus, Juveniles Trachurus, Juveniles Total DATE: 30/11/94 GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LOG :5031.70 5032.30 0.60 PDEPTN: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch: SPECIES N 0 C A T C H Total DATE: 30/11/94 GEAR TY start stop duration TIME :14:10:00 14:23:00 15 (min LOG :5058.90 5059.80 0.90 PDEPTN: 17 17 DDEPTN: 24 40 Towing dir: 24° Wire out: Sorted: 19 Kg Total catch: SPECIES Engraulis capensis Sardinops ocellatus Etrumeus whiteheadi	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CAT CATCH/HOUR weight numbers 1.44 504 1.44 504 PE: PT No:1 POS ) Purpose code: Area code : GearCond.code: Validity code: 200 m Speed: 33 CAT CATCH/HOUR weight numbers 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 POS 0.00 PE: PT No:1 CAT CATCH/HOUR weight numbers 0.00 ACT CATCH/HOUR weight numbers 100 m Speed: 35 2015.10 CAT CATCH/HOUR weight numbers	ITION:LAL S Long E Long E 1 3 kn*10 CH/HOUR: • OF TOT. C 100.00 1	1944 1222 1.44 SAMP 2352 2:596 1941 1221 SAMP 4: 697 1934 1246 S0.40 SAMP 2354
TIME : 12:05:00 12:15:00 10 (min LOG : 5017.20 5017.70 0.50 PDEPTH: 12 152 Towing dir: 270° Wire out: Sorted: Kg Total catch:         SPECIES         Trachurus, Juveniles         Total         DATE: 30/11/94       GEAF TY start stop duration TIME : 14:13:00 14:23:00 10 (min LOG : 5031.70 5032.30 .60 PDEPTH: 149 146 Towing dir: 70° Wire out: Sorted: Kg Total catch:         SPECIES         N 0 C A T C H         Total         DATE: 30/11/94         GEAF TY start stop duration TIME : 14:13:00 14:23:00 10 (min LOG : 5031.70 5032.30 .60         PDEPTH: 149 146         Towing dir: 70° Wire out:         Sorted: Kg Total catch:         SPECIES         N 0 C A T C H         Total         DATE: 30/11/94         CEAR TY start stop duration TIME : 17:18:00 17:33:00 15 (min LOG : 5058.96 5059.80 .90         PDEPTH: 27 17 BDEPTH: 24 40 Towing dir: 240° Wire out: Sorted: 19 Kg Total catch:         SPECIES         Engraulis capensis Sardinops ocellatus Brumeus whiteheadi Trachurus capensis Thyrsites atun	PE: PT No:2 POS: ) Purpose code: Area code : GearCond.code: Validity code: 100 m Speed: 30 0.24 CATY CATCH/HOUR weight numbers 1.44 504 	ITION: Lat S Long E Long E 1 3 kn*10 CH/HOUR: • OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION: Lat S Long E 1 3 kn*10 CH/HOUR: • OF TOT. C Long E 1 3 kn*10 CH/HOUR: 800 • OF TOT. C 4 OF TOT. C	1944 1222 1.44 SAMP 2352 2352 2352 2352 SAMP 4: 697 1934 1221 30.40 SAMP 2354 2356
TIME :12:05:00 12:15:00 10 (min LGG :5017.20 0.5017.70 0.50 PDEPTN: 10 10 BDEPTN: 152 152 Trachurus, Juveniles Trachurus, Juveniles Total DATE: 30/11/94 GEAR TY Start stop duration TIME :14:13:00 14:23:00 10 (min LGG :5031.70 5032.30 0.60 PDEPTN: 149 146 Towing dir: 72' Wire out: Sorted: Kg Total catch: SPECIES N 0 C A T C H Total DATE: 30/11/94 GEAR TY Start stop duration TIME :14:18:00 17:33:00 15 (min LGG :505.9C 5059.80 0.90 PDEPTN: 14 40 TOTAL DATE: 30/11/94 GEAR TY Start stop duration TIME :17:18:00 17:33:00 15 (min LGG :5055.9C 5059.80 0.90 PDEPTN: 12 11 Sorted: 19 Kg Total catch: SPECIES Engraulis capensis Sardinops ocellatus Etrumeus whiteheadi Trachurus capensis	PE: PT No:2 POS: Area code : Area code : GearCond.code: Validity code: Validity code: Validity code: Validity code: CATCH/HOUR weight numbers 1.44 504 	ITION: Lat S Long E Long E 1 3 kn*10 CH/HOUR: • OF TOT. C 100.00 100.00 100.00 ROJECT STATION ITION: Lat S Long E 1 3 kn*10 CH/HOUR: • OF TOT. C ROJECT STATION ITION: Lat S Long E 1 3 kn*10 CH/HOUR: • OF TOT. C 4 0 F TOT. C 1 3 kn*10 CH/HOUR: BOG CH/HOUR: C 1 3 kn*10 CH/HOUR: BOG CH/HOUR: BOG CH/HOUR: BOG CH/HOUR: BOG CH/HOUR: BOG CH/HOUR: BOG CH/HOUR: C 1 3 kn*10 CH/HOUR: C 1 3 kn*10 CH/H/H/H/H/H/H/H/H/H/H/H/H/H/H/H/H/H/H/	1944 1222 1.44 SAMP 2352 2352 2352 2352 SAMP 4: 697 1934 1221 30.40 SAMP 2354 2356

DATE: 30/11/94 GEAR 3	PROJECT STATION: 698 YPE: PT No:2 POSITION:Lat S 1926
start stop duration	Long E 1225
TIME :22:06:00 22:17:00 11 (mi LCG :5102.60 5103.20 0.60	n) Purpose code: 1 Area code : 3
FDEPTH: 10 10	GearCond.code:
BDEPTH: 126 124 Towing dir: 85° Wire out	Validity code: · 100 m Sneed: 31 kn#10
Sorted: 1 Kg Total catch	1: 0.90 CATCH/HOUR: 4.91
SPECIES	CATCH/HOUR & OF TOT. C SAMP
Trachurus capensis	weight numbers 4.91 153 100.00 2357
-	
Total	4.91 100.00
	PROJECT STATION: 699
	TYPE: PT No:2 POSITION:Lat S 1923
start stop duration TIME :00:14:00 00:24:00 10 (m	
LOG :5118.80 5119.40 0.60	Area code : 3
FDEPTH: 10 10 BDEPTH: 40 45	GearCond.code: Validity code:
Towing dir: 280" Wire out	
Control 9 Ma Motal Cato	h: 62.92 CATCH/HOUR: 377.52
Sorted: 8 Kg Total catc	
appar 20	CATCH/HOUR & OF TOT. C SAMP
SPECIES	weight numbers
Trachurus, Juveniles	358.08 23760 94.85 2358
Thyrsites atun Engraulis capensis	7.50 144 1.99 2359 4.50 336 1.19 2361
Todaropsis eblanae	3.96 432 1.05
Etrumeus whiteheadi Galeichthys feliceps	2.10 144 0.56 2360 1.20 6 0.32
Trigla lyra	0.18 48 0.05
Total	377.52 100.01
IDCAI	<i></i>
	PROJECT STATION: 700
DATE: 1/12/94 GEAR start stop duration	TYPE: PT No:2 POSITION:Lat S 1921 Long E 1221
TIME :02:25:00 02:35:00 10 (m	in) Purpose code: 1
LOG :5137.30 5137.90 0.50 FDEPTH: 10 10	Area code : 3 GearCond.code:
BDEPTH: 128 129	Validity code:
Towing dir: 280° Wire ou	t: 100 m Speed: 33 kn*10
Sorted: Kg Total cate	h: 0.03 CATCH/HOUR: 0.18
Sort <del>e</del> d: Kg Total cato	ch: 0.03 CATCH/HOUR: 0.18
Sorted: Kg Total cate	th: 0.03 CATCH/HOUR: 0.18 CATCH/HOUR % OF TOT. C SAMP
SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
-	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362
SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
SPECIES Trachurus, Juveniles	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362
SPECIES Trachurus, Juveniles	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:LAT 5 1917
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 Long E 1228
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME: 05:27:00 05:37:00 10 (n LOG : 5164.30 5164.90 0.60	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Long E 1228 ain) Purpose code: 1 Area code : 3
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (n LOG :5164.30 5164.90 0.60 TPDEPTH: 10 10	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT NO:2 POSITION:Lat S 1917 Long E 1228 ii) Purpose code: 1 Area code : 3 GearCond.code:
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (n LOG :5164.30 5164.90 0.60 FDEPTH: 10 10 BEEPTH: 94 97	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Long E 1228 ain) Purpose code: 1 Area code : 3
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME: 05:27:00 05:37:00 10 (n LOG :5164.30 5164.90 0.60 FDEPTH: 94 97 Towing dir: 75* Wire out	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Data Code : 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 kn*10
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (n LOG :5164.30 5164.90 0.60 FDEPTH: 10 10 BEEPTH: 94 97	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Day Long E 1228 which Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 kn*10
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:20 10 (m LOG :5164.30 5164.90 0.60 FDEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75° Wire ou Sorted: 38 Kg Total cate	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 In Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 kn*10 ch: 1200.60 CATCH/HOUR: 7203.60
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME: 05:27:00 05:37:00 10 (n LOG :5164.30 5164.90 0.60 FDEPTH: 94 97 Towing dir: 75* Wire out	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:LAT 5 1917 have code : 1 Area code : 3 GearCond.code: validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (r LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT NO:2 POSITION:Lat S 1917 and Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME: 05:27:00 05:37:200 10 (m LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75° Wire ou Sorted: 36 Kg Total cato SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 in) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (r LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT NO:2 POSITION:Lat S 1917 and Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 100 (m LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Toving dir: 75° Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 in) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 100 (m LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Toving dir: 75° Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:LAT 5 1917 have code : 3 GearCond.code: validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR 4 OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR Start stop duration TIME :05:27:00 05:37:00 10 (n LOG :15164.30 5164.90 0.60 TDEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Dong E 1228 Din) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km=10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (r LOG :5164.30 5164.90 0.60 TOPEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT NO:2 POSITION:Lat S 1917 and Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913 an Long E 121
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (m LOG ::5164.30 5164.90 0.60 FDEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75° Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (m LOG :5179.80 5180.60 0.80	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 in) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913 n) Purpose code: 1 Area code : 3
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR Start stop duration TIME :05:27:00 05:37:00 10 (r DOC :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR Start stop duration TIME :07:26:00 07:37:00 11 (r LOC :5179.80 5180.60 0.80 FDEPTH: 45 45	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Long E 1228 in) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITIONLAT S 1913 a Din) Purpose code: 1 Area code : 3 GearCond.code:
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 100 (m LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Toving dir: 75° Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (m LOG :5179.80 5180.60 0.80 FDEPTH: 45 45 BDEPTH: 74 70	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 54 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 Dong E 1228 Din) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat 5 1913 a Long E 121 hin) Purpose code: 1 Area code : 3 GearCond.code: Validity code:
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:370:00 10 (n LOG :5164.30 5164.90 0.60 TDEPTH: 0 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thysites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (n LOG :5179.80 5180.60 0.80 FDEPTH: 45 45 BDEPTH: 74 70 Towing dir: 100* Wire out	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat \$ 1917 Data code : 1 Area code : 3 GearCond.code: validity code: tt: 100 m Speed: 33 km=10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat \$ 1913 a Long E 121 pin) Purpose code: 1 Area code : 3 GearCond.code Validity code: Validity code: Validity code Validity code
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 100 (m LOG :5164.30 5164.90 0.60 TOEPTH: 10 10 BDEPTH: 94 97 Toving dir: 75° Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (m LOG :5179.80 5180.60 0.80 FDEPTH: 45 45 BDEPTH: 74 70	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat \$ 1917 Data code : 1 Area code : 3 GearCond.code: validity code: tt: 100 m Speed: 33 km=10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat \$ 1913 a Long E 121 pin) Purpose code: 1 Area code : 3 GearCond.code Validity code: Validity code: Validity code Validity code
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (m LOG :5164.30 5164.90 .0.60 FDEPTH: 0 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (m CTME :07:26:00 07:37:00 11 (m SDATE: 1/12/94 GEAR START start stop duration TIME :07:26:00 07:37:00 11 (m CTME :07:26:00 07:37:00 11 (m SDATE: 1/12/94 GEAR START start stop duration TIME :07:26:00 07:37:00 11 (m SDATE: 1/12/94 GEAR START start stop duration TIME :07:26:00 07:37:00 11 (m SDATE: 1/12/94 GEAR START start stop duration TOTAL	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 a GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat 5 1913 a Long E 121 project STATION: 702 TYPE: PT No:1 POSITION:Lat 5 1913 a Long E 121 an Long E 121 an Long E 121 carccnd.code: Validity code: 14.720 m Speed: 30 km*10 ch: 8072.85 CATCH/HOUR: 44033.72
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:370:00 10 (n LOG :5164.30 5164.90 0.60 TDEPTH: 0 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thysites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (n LOG :5179.80 5180.60 0.80 FDEPTH: 45 45 BDEPTH: 74 70 Towing dir: 100* Wire out	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Area code : 1 Area code : 3 GearCond.code: validity code: tt: 100 m Speed: 33 km*10 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913 an Purpose code: 1 Area code : 3 GearCond.code: validity code: tt: 200 m Speed: 30 km*10 ch: 8072.85 CATCH/HOUR: 44033.72 CATCH/HOUR & OF TOT. C SAMP
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (r TOE :05:27:00 05:37:00 10 TOEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75° Wire ou Sorted: 38 Kg Total cate SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (r LOG :5179:80 5180.60 0.80 FDEPTH: 74 70 Towing dir: 100° Wire ou Sorted: 17 Kg Total cate SPECIES Trachurus capensis	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:LAT S 1917 Area code : 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:LAT S 1913 an Long E 121 min) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 200 m Speed: 30 km*10 ch: 8072.85 CATCH/HOUR: 44033.72 CATCH/HOUR & OF TOT. C SAMP weight numbers 32078.92 3024174 73.76 2364
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (r DOC :5164.30 5164.90 0.60 FDEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (r DATE: 1/12/94 GEAR SPECIES Trachurus capensis Engraulis capensis	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat 5 1917 Dong E 1228 Din) Purpose code: 1 Area code : 3 GearCond.code: Validity code: National Speed: 33 km=10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat 5 1913 n Long E 121 project 1 Area code : 3 GearCond.code: Validity code: 1 Area code : 3 GearCond.code: Validity code: 1 Area code : 3 GearCond.code: Validity code: 1 Area code : 3 GearCond.code: Validity code: 1 CATCH/HOUR & OF TOT. C SAMP weight numbers 32478.92 3024174 73.76 2364 9450.71 1.417091 21.46 2365
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR Start stop duration TIME :05:27:00 05:37:00 10 (r DOC :5164.30 5164.90 0.60 FDEPTH: 10 10 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cate SPECIES Trachurus capensis Thysites atun Total DATE: 1/12/94 GEAR STACH GEAR SPECIES Trachurus capensis FDEPTH: 45 45 BDEPTH: 74 70 Towing dir: 100* Wire ou Sorted: 17 Kg Total cate SPECIES Trachurus capensis Engraulis capensis Engraulis capensis Strdinops ocellatus Etrumeus whiteheadi	CATCH/HOUR & OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 Long E 1228 din) Purpose code: 1 Area code : 3 GearCond.code: Validity code: tt: 100 m Speed: 33 km*10 ch: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR & OF TOT. C SAMP weight numbers 7152.00 12 0.72 7203.60 12 0.72 TYPE: PT No:1 POSITION:Lat S 1913 n Dong E 121 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913 n Dong E 121 Area code : 3 GearCond.code: Validity code: tt: 200 m Speed: 30 km*10 ch: 8072.85 CATCH/HOUR: 44033.72 CATCH/HOUR & OF TOT. C SAMP weight numbers 32478.92 3024174 73.76 2364 9450.71 1417091 21.46 2365 860.15 265396 1.97 2366
SPECIES Trachurus, Juveniles Total DATE: 1/12/94 GEAR start stop duration TIME :05:27:00 05:37:00 10 (C TOE :05:27:00 05:37:00 10 TOE :05:27:00 05:37:00 10 (D TOE :05:27:00 05:37:00 11 BDEPTH: 94 97 Towing dir: 75* Wire ou Sorted: 38 Kg Total cato SPECIES Trachurus capensis Thyrsites atun Total DATE: 1/12/94 GEAR start stop duration TIME :07:26:00 07:37:00 11 (D C :5179:80 5180:60 0.80 O FDEPTH: 45 45 BDEPTH: 74 70 Towing dir: 10° Wire ou Sorted: 17 Kg Total cato SPECIES Trachurus capensis SPECIES Trachurus capensis Engraulis capensis Engraulis capensis Engraulis capensis	CATCH/HOUR % OF TOT. C SAMP weight numbers 0.18 54 100.00 2362 0.18 100.00 PROJECT STATION: 701 TYPE: PT No:2 POSITION:Lat S 1917 a. Long E 1228 in) Purpose code: 1 Area code : 3 GearCond.code: Validity code: Validity code: 1200.60 CATCH/HOUR: 7203.60 CATCH/HOUR % OF TOT. C SAMP weight numbers 7152.00 302664 99.28 2363 51.60 12 0.72 7203.60 100.00 PROJECT STATION: 702 TYPE: PT No:1 POSITION:Lat S 1913 a. Long E 121 prose code: 1 Area code : 3 GearCond.code: Validity code: t: 200 m Speed: 30 km=10 ch: 8072.85 CATCH/HOUR: 44033.72 CATCH/HOUR % OF TOT. C SAMP weight numbers 32478.92 3024174 73.76 2364 9450.71 1417091 21.46 2365 866.13 63365 1.97 2366

PROJECT STATION: 698

100.00

44033.77

Total

	PROJECT STATION: 703		PROJECT STATION: 709
DATE: 1/12/94 GEAR start stop duratio	TYPE: PT No:2 POSITION:Lat S 1904	DATE: 2/12/94 GE start stop durat	AR TYPE: PT No:2 POSITION:Lat S 1848
TIME :13:30:00 13:40:00 10 () LOG :5230.70 5231.30 0.60		TIME :06:01:00 06:12:00 11 LOG :5361.40 5362.00 0.60	(min) Purpose code: 1
FDEPTH: 10 10	GearCond.code: Validity code:	FDEPTH: 10 10 BDEPTH: 34 36	GearCond.code: Validity code:
	ut: 100 m Speed: 32 kn*10		out: 100 m Speed: 26 kn*10
Sorted: 10 Kg Total cat	ch: 27.47 CATCH/HOUR: 164.82	Sorted: 3 Kg Total o	atch: 3.01 CATCH/HOUR: 16.42
SPECIES	CATCH/HOUR & OF TOT. C SAMP	SPECIES	CATCH/HOUR & OF TOT. C SAMP
Trachurus, Juveniles	weight numbers 92.52 4362 56.13 2368	Thyrsites atur	weight numbers 15.98 267 97.32 2377
Thyrsites atun Todaropsis eblanae	68.70 18 41.68 2369 2.40 288 1.46	Trachurus, Juveniles	0.44 38 2.68 2378
Pomatomus saltatrix Sardinops ocellatus	0.84 12 0.51 0.36 12 0.22	Total	16.42 100.00
CYNOGLOSSIDAE	0.00 42		
Total	164.82 100.00	DATE: 2/12/94 GI	PROJECT STATION: 710 EAR TYPE: PT No:2 POSITION:Lat S 1834
		start stop dura1 TIME :12:05:00 12:15:00 10	ion Long E 1157
D. M	PROJECT STATION: 704 R TYPE: BT No:6 POSITION:Lat S 1859	LOG :5419.20 5419.80 0.60 FDEPTH: 10 10	Area code : 3 GearCond.code:
start stop duratio	n Long E 1201	BDEPTH: 94 97	Validity code:
TIME :17:15:00 17:45:00 30 ( LOG :5262.20 5264.10 1.80	Area code : 3		e out: 100 m Speed: 32 kn*10
FDEPTH: 189 200 BDEPTH: 189 200	GearCond.code: 7 Validity code:	Sorted: Kg Total o	catch: 0.35 CATCH/HOUR: 2.10
	ut: 550 m Speed: 32 kn*10	SPECIES	CATCH/HOUR & OF TOT. C SAMP
Sorted: Kg Total cat	ch: CATCH/HOUR:	Trachurus capensis	weight numbers 2.10 6 100.00
SPECIES	CATCH/HOUR & OF TOT. C SAMP	Total	2.10 100.00
Trachurus capensis	weight numbers 0.00 2		
Total	-		PROJECT STATION: 711
		DATE: 2/12/94 G start stop dura	EAR TYPE: BT No:6 POSITION:Lat S 1824
		TIME :16:15:00 16:30:00 15 LOG :5456.90 5457.70 0.8	(min) Purpose code: 1
	PROJECT STATION: 705 R TYPE: BT No:6 POSITION:Lat S 1858	FDEPTH: 143 141 BDEPTH: 143 141	0 Area code : 3 GearCond.code: Validity code:
start stop duratic TIME :18:25:00 18:37:00 12 (	(min) Purpose code: 1		e out: 500 m Speed: 30 kn*10
LOG :5266.70 5267.40 0.70 FDEPTH: 188 183	Area code : 3 GearCond.code:	Sorted: 73 Kg Total	catch: 4016.90 CATCH/HOUR: 16067.60
BDEPTH: 188 183 Towing dir: 100° Wire o	Validity code: put: 600 m Speed: 31 kn*10		
Sorted: 31 Kg Total cat	tch: 1868.00 CATCH/HOUR: 9340.00	SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers
		Trachurus capensis Merluccius capensis	15357.56 555404 95.58 2379 495.20 3272 3.08 2380
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	Dentex macrophthalmus Synagrops microlepis	91.64 1092 0.57 2381 54.52 9164 0.34
Trachurus capensis Merluccius capensis, juveniles	8960.00 254690 95.93 2370 220.00 2000 2.36	Trigla lyra Callorhinchus capensis	32.80 20 0.20 26,00 12 0.16
Dertex macrophthalmus	160.00 1200 1.71	Raja miraletus Sufflogobius bibarbatus	8.80 12 0.05 1.08 220 0.01
Total	9340.00 100.00	Total	16067.60 99.99
DATE: 1/12/94 GEAN	PROJECT STATION: 706 R TYPE: PT No:2 POSITION:Lat S 1900		PROJECT STATION: 712
start stop duratio TIME :21:42:00 21:54:00 12 (	Dn Long E 1225	DATE: 2/12/94 G start stop dura	EAR TYPE: PT No:2 POSITION:Lat S 1813
LOG :5293.00 5293.70 0.70 FDEPTH: 10 10	Area code : 3 GearCond.code:		(min) Purpose code: 1
BDEPTH: 54 62	Validity code: out: 100 m Speed: 31 kn*10	FDEPTH: 0 0 BDEPTH: 208 218	GearCond.code: Validity code:
Sorted: 39 Kg Total cat			e out: 100 m Speed: 28 kn*10
Soften. Sy ky Total car		Sorted: 34 Kg Total	catch: 101.52 CATCH/HCUR: 553.75
SPECIES	CATCH/HOUR & OF TOT. C SAMP weight numbers	SPECIES	CATCH/HOUR & OF TOT. C SAMP
Engraulis capensis Trachurus capensis	7235.00 836545 98.36 2371 30.00 2500 0.41 2373	Trachurus capensis	weight numbers 365.73 12507 66.05 2381
Sardinops ocellatus	25.00 1750 0.34 2374	MYCTOPHIDAE Etrumeus whiteheadi	153.93 92045 27.80 31.09 507 5.61 2382
Thyrsites atun Etrumeus whiteheadi	23.00 15 0.31 22.50 5750 0.31 2372	CEPHALOPODA	2.95 33 0.53
Small squids	20.00 1500 0.27	Total	553.70 99.99
Total	7355.50 100.00		
			PROJECT STATION: 713
	PROJECT STATION: 707 R TYPE: PT No:2 POSITION:Lat S 1854	start stop dura	
start stop duratic TIME :00:30:00 00:40:00 10	(min) Purpose code: 1	TIME :23:29:00 23:39:00 10 LCG :5517.90 5518.50 C.6	
LOG :5316.00 5316.60 0.60 FDEPTH: 10 100	Area code : 3 GearCond.code:	FDEPTH: 10 10 BDEPTH: 27 27	GearCond.code: Validity code:
BDEPTH: 110 113	Validity code: put: 100 m Speed: 33 kn*10		e out: 100 m Speed: 30 kn*10
Sorted: 15 Kg Total cat		Sorted: 7 Kg Total	catch: 1114.50 CATCH/HOUR: 6687.00
contrast ap hy total ca		SPECIES	CATCH/HOUR & OF TOT. C SAMP
SPECIES	CATCH/HOUR % OF TOT. C SAMP weight numbers		weight numbers 2835.00 70200 42.40 2383
Marahaman Manadilaa		Sardinops ocellatus Trachurus, Juveniles	2079.00 135900 31.09 2387
Trachurus, Juveniles	1309.50 50760 95.56 2375		
Thyrsites atun	1309.50 50760 95.56 2375 60.90 18 4.44 2376	Etrumeus whiteheadi Thyrsites atun	324.00 4500 4.85 2385
	1309.50 50760 95.56 2375	Thyrsites atun Engraulis capensis Todarodes sagittatus	99.00 9900 1.48 2384 45.00 1800 0.67
Thyrsites atun	1309.50 50760 95.56 2375 60.90 18 4.44 2376 	Thyrsites atun Engraulis capensis	99.00 9900 1.48 2384
Thyrsites atun Total DATE: 2/12/94 GEAJ	1309.50         50760         95.56         2375           60.90         18         4.44         2376           1370.40         100.00         100.00           PROJECT STATION: 708           R TYPE: PT No:2         POSITION:Lat         \$ 1849	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54
Thyrsites atun Total DATE: 2/12/94 GEA start stop durati	1305.50         50760         95.56         2375           60.90         18         4.44         2376           1370.40         100.00         100.00           PROJECT STATION: 708           R TYPE: PT No:2         POSITION:Lat \$ 1849           on         Long E 1200	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAJ	1305.50         50760         95.56         2375           60.90         18         4.44         2376           1370.40         100.00         100.00           PROJECT STATION: 708           R TYPE: PT No:2         POSITION:Lat \$ 1849           on         Long E 1200	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAI start stop durati TIME :03:11:00 03:21:00 10 LOG :5338.80 5339.40 0.60 FDEPTH: 10 10 BDEPTH: 133 127	1309.50       50760       95.56       2375         60.90       18       4.44       2376         1370.40       100.00         PROJECT STATION: 708         R TYPE: PT No:2       POSITION:Lat \$ 1849         on       Long E 1200         (min)       Purpose code: 1         Area code : 3       GearCond.code:         Validity code:       Validity	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAI start stop durati TIME: 03:11:00 03:21:00 10 LOG :5338.80 5339.40 0.60 FDEPTH: 10 10 DDEPTH: 133 127 Towing dir: 90" Wire of	1305.50       50760       95.56       2375         60.90       18       4.44       2375         1370.40       100.00         PROJECT STATION: 708         R TYPE: PT No:2       POSITION:Lat \$ 1849         on       Long E 1200         (min)       Purpose code: 1         Area code : 3       GearCond.code:         Validity code:       validity code:         out: 100 m Speed: 32 kn=10	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAI start stop duratic TIME :03:11:00 03:21:00 10 LOG :5338.80 5339.40 0.60 FDEPTH: 10 10 BDEPTH: 13 127	1305.50       50760       95.56       2375         60.90       13       4.44       2375         1370.40       100.00         PROJECT STATION: 708         R TYPE: PT No:2       POSITION:Lat \$ 1849         cm       Long E 1200         (min)       Purpose code: 1         Area code : 3       GearCond.code:         Validity code:       validity code:         but: 100 m Speed: 32 kn=10	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAI start stop duratic TIME :03:11:00 03:21:00 10 LOG :5338.80 5339.40 0.60 FDEPTH: 10 10 BDEPTH: 133 127 Towing dir: 90° Wire of	1305.50       50760       95.56       2375         60.90       18       4.44       2376         1370.40       100.00         PROJECT STATION: 708         R TYPE: PT No:2       POSITION:Lat \$ 1849         on       Long E 1200         (min)       Purpose code: 1         Area code : 3       GearCond.code:         Validity code:       >         Dut: 100 m Speed: 32 kn*10       1.86         CATCH/HOUR & OF TOT. C SAMP	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27
Thyrsites atun Total DATE: 2/12/94 GEAI Start stop durati TIME :03:11:00 03:21:00 10 LOG :5338.80 5339.40 0.60 FDEPTH: 10 10 BDEPTH: 133 127 Towing dir: 90° Wire of Sorted: Kg Total can	1305.50       50760       95.56       2375         60.90       18       4.44       2376         1370.40       100.00         PROJECT STATION: 708         R TYPE: PT No:2       POSITION:Lat s       1849         on       Long E       1200         (min)       Purpose code: 1       Area code : 3         GearCond.code:       validity code:       000         validity code:       32 kn*10         tch:       0.31       CATCH/HOUR:       1.86	Thyrsites atun Engraulis capensis Todarodes sagittatus MYCTOPHIDAE Pterothrissus belloci	99.00 9900 1.48 2384 45.00 1800 0.67 36.00 19800 0.54 18.00 900 0.27

1,86

Total

100.00

	PROJEC		
YPE: PT No:2	POSITION		1800
n) Purpose co	de: 1	<b>.,</b>	
GearCond.c	ode:		
		0	
.: 0.66	CATCH/HC	UR:	3.96
CATCH/HOU	R 10F	TOT. C	SAMP
weight num	bers		2389
1.20	б	30.30	
0.42	132	9.09	2390
3.96		100.00	
YPE: PT No:2	POSITION	Long E	
GearCond.c	:ode:		
		.0	
a: 6.46	CATCH/H	OUR:	35.24
			SAMP
weight nur	nbers		SAMP
9.82	895	27.87	2391
0.22	16 60	0.62 0.31	2392
	חד הפס		N: 716
		N:Lat S	5 1751
	ode: 1	roud i	, 1134
GearCond.	code:		
Validity (	code:	10	
			086.82
weight nu	mbers	F TOT. C	SAMP
1452.27	20864	35.54 18.85	2393
756.82		18.52	
538.64 330.00	3545	13.18 8.07	
162.27 40.91	1091 4227	3.97 1.00	
	1091		
40.91	1091 4227	1.00	
40.91 35.45	1091 4227	1.00 0.87	
40.91 35.45 4086.81	1091 4227 818 -	1.00 0.87 100.00 CT STATIO	
40.91 35.45 4086.81	1091 4227 818 - PROJE POSITIO	1.00 0.87 100.00	s 1733
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code	1091 4227 818 - PROJE POSITIO	1.00 0.87 100.00 CT STATIO	s 1733
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose C Area code GearCond.	1091 4227 818 	1.00 0.87 100.00 CT STATION:Lat Long	s 1733
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee	1091 4227 818 	1.00 0.87 100.00 CT STATION N:Lat Long	S 1733 E 1132
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose C Area code GearCond.	1091 4227 818 	1.00 0.87 100.00 CT STATION N:Lat Long	S 1733 E 1132
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee h: 5000.00 CATCH/HO	1091 4227 818 - POSITIO ode: 1 : 3 code: d: 31 km* CATCH/H	1.00 0.87 100.00 CT STATIA N.Lat : Long : 10 our: 33	s 1733 E 1132 333.34
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu	1091 4227 818 - PROJE POSITIO ode: 1 . 3 code: code: d: 31 km* CATCH/H	1.00 0.87 100.00 CT STATI N:Lat : Long : 10 OUR: 33	S 1733 E 1132 333.34 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee h: 5000.00 CATCH/HO	1091 4227 818 - PROJE POSITIO ode: 1 . 3 code: code: d: 31 km* CATCH/H	1.00 0.87 100.00 CT STATIA N.Lat : Long : 10 our: 33	S 1733 E 1132 333.34 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 33333.34 9	1091 4227 818 - PROJE POSITIO ode: 1 . 3 code: code: d: 31 km* CATCH/H	1.00 0.87 100.00 CT STATI N:Lat Long 19 OUR: 33 F TOT. C 100.00	S 1733 E 1132 333.34 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33	1091 4227 818 - PROJE POSITIO ode: 1 . 3 code: code: d: 31 km* CATCH/H	1.00 0.87 100.00 CT STATI N:Lat Long 10 COUR: 33 F TOT. C 100.00 0.04	S 1733 E 1132 333.34 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67	1091 4227 818 	1.00 0.87 100.00 CT STATION:Lat Long 10 000R: 33 F TOT. C 100.00 0.04 100.04	s 1733 E 1132 3333.34 SAMP 2394 ON: 718
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 33333.34 9 13.33 33346.67 TYPE: PT No:1	1091 4227 818 	1.00 0.87 100.00 CT STATI NNLAT : Long : 10 00UR: 33 F TOT. C 100.00 0.04 100.04 CT STATI	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67 TYPE: PT No:1	1091 4227 818 	1.00 0.87 100.00 CT STATI NNLAT : Long : 10 00UR: 33 F TOT. C 100.00 0.04 100.04 CT STATI	s 1733 E 1132 3333.34 SAMP 2394 ON: 718
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/MO weight nu 3333.34 33346.67 TYPE: PT No:1 in) Purpose c Area code GearCond.	PROJE PROJE POSITIO ode: 1 code: 3 code: code: code: code: CATCH/F CATCH/F CATCH/F CATCH/F CATCH/F POSITIC code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: code: CATCH/F	1.00 0.87 100.00 CT STATI NNLAT : Long : 10 00UR: 33 F TOT. C 100.00 0.04 100.04 CT STATI	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 s 1731
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 33333.34 9 13.33 33346.67 TYPE: PT No:1	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 code: 1 code: 1 CATCH/H UR CATCH/H UR CATCH/H POSITIO robers 1 : 3 code: 1 : 3 code: 1 : 3 code: 1 : 4 code: 1 : 4 code: 1 : 4 code: 1 : 4 code: 1 : 4 code: 1 : 5 code: 1 : 5 code: 1 : 5 code: 1 : 6 code: 1 : 7 code: 1 : 5 code: 1 code: 1 : 5 code: 1 code: 1 : 5 code: 5	1.00 0.87 100.00 CT STATI Long 10 DUR: 33 F TOT. C 100.00 0.04 100.04 CT STATI Long	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 s 1731
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67 TYPE: PT No:1 tin) Purpose c Area code GearCond. Validity	1091 4227 818 	1.00 0.87 100.00 CT STATI Long 10 00UR: 33 F TOT. C 100.00 0.04 100.04 CT STATI Long 10	s 1733 E 1132 333.34 SAMP 2394 0N: 718 S 1731 E 1141
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 33333.34 9 13.33 33346.67 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 100 m Spee th: 268.50	1091 4227 818 PROJE POSITIO code: 1 code: 1 code: 4 CATCH/H CATCH/H POSITIC code: 1 code: 1 co	1.00 0.87 100.00 CT STATI Long 10 OUR: 33 F TOT. C 100.00 0.04 100.04 CT STATI NN:Lat Long 10 NUR: 1	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 100 m Spee ch: 268.50 CATCH/HO	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 code: 1 code: 1 CATCH/F UR CATCH/F POSITIO robers 1 : 3 code: 2 : 3 code: 1 : 3 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 co	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.00 0.04 100.00 0.04 100.00 100.00 100.00 0.04 100.00	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 100 m Spee ch: 268.50 CATCH/HO	1091 4227 818 PROJE POSITIO ode: 1 	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.00 0.04 100.00 0.04 100.00 100.00 100.00 0.04 100.00	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 100 m Spee ch: 268.50 CATCH/HO	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 code: 1 code: 1 CATCH/F UR CATCH/F POSITIO robers 1 : 3 code: 2 : 3 code: 1 : 3 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 co	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.00 0.04 100.00 0.04 100.00 100.00 100.00 0.04 100.00	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67 TYPE: PT No:1 h: 100 m Spee ch: 268.50 CATCH/HO weight nu 1239.23	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 code: 1 code: 1 CATCH/F UR CATCH/F POSITIO robers 1 : 3 code: 2 : 3 code: 1 : 3 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 : 3 code: 1 code: 1 co	1.00 0.87 100.00 CT STATI Nitat 1 Long 1 10 00UR: 33 F TOT. C 100.00 0.04 100.04 100.04 100.04 100.04 10 00UR: 1 10 100 100 100 100 100 100	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23 SAMP
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67 TYPE: PT No:1 h: 100 m Spee ch: 268.50 CATCH/HC weight nu 1239.23 1239.23	1091 4227 818 PROJE POSITIO code: 1 code: 1 code: d: 31 km* CATCH/F UR CATCH/F POSITIC rode: 1 code: 1	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.04 100.04 100.04 100.04 100.04 100.00 100.00 100.00 100.00	s 1733 e 1132 3333.34 SAMP 2394 0N: 718 s 1731 e 1141 2399.23 SAMP 2395 0N: 719
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40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/H0 weight nu 3333.334 33346.67 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 100 m Spee th: 268.50 CATCH/H0 weight nu 1239.23 TYPE: PT No:2 in) Purpose c	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 : 3 code: d: 31 km² CATCH/F POSITIC code: 1 : 3 code: 1 : 3 code: 1 code: 1 co	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.04 100.04 100.04 100.04 100.04 100.00 100.00 100.00 100.00	s 1733 e 1132 3333.34 SAMP 2394 0N: 718 s 1731 e 1141 2399.23 SAMP 2395 0N: 719
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 33333.34 9 13.33 33346.67 TYPE: PT No:1 in) Purpose c Area code GearCond. Validity t: 100 m Spee ch: 268.50 CATCH/HC weight nu 1239.23 1239.23 TYPE: PT No:2 in) Purpose c Area code GearCond.	1091 4227 818 PROJE POSITIO code: 1 : 3 code: 1 code: 1 code: 1 code: 1 PROJE POSITIC code: 1 : 3 code: 1 : 3 code: 1 code: 1	1.00 0.87 100.00 CT STATI Long 10 DOUR: 33 F TOT. C 100.00 0.04 100.04 100.04 100.04 100.04 100.04 100.00 100.00 100.00 100.00	s 1733 e 1132 3333.34 SAMP 2394 0N: 718 s 1731 e 1141 2399.23 SAMP 2395 0N: 719
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond, validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 33346.67 TYPE: PT No:1 in) Purpose c Area code GearCond, validity t: 100 m Spee ch: 268.50 CATCH/HC weight nu 1239.23 TYPE: PT No:2 in) Purpose c Area code Area code Mean code Area code Area code Area code Mean code Area code Area code Mean code Area code	1091 4227 818 PROJE POSITIO code: 1 : 3 code: d: 31 km <sup>=</sup> CATCH/F UR CATCH/F UR CATCH/F UR CATCH/F POSITIC code: 1 : 3 code: 1 : 5 code: 1	1.00 0.87 100.00 CT STATIN N:Lat 5 Long 5 10 00UR: 33 F TOT. C 100.00 100.04 100.04 100.04 100.04 10 N:Lat 10 100.00 100.00 100.00 100.00 100.00	s 1733 e 1132 3333.34 SAMP 2394 0N: 718 s 1731 e 1141 2399.23 SAMP 2395 0N: 719
40.91 35.45 4086.81 TYPE: PT No:1 in) Purpose c Area code GearCond. validity t: 450 m Spee h: 5000.00 CATCH/HO weight nu 3333.34 9 13.33 33346.67 TYPE: PT No:1 in) Purpose c GearCond. validity t: 100 m Spee ch: 268.50 CATCH/HC weight nu 1239.23 TYPE: PT No:2 in) Purpose c Area code GearCond. validity t: 100 m Spee ch: 268.50 CATCH/HC weight nu 1239.23 TYPE: PT No:2	1091 4227 818 PROJE POSITIO ode: 1 code: 3 code: d: 3 CATCH/H CATCH/H POSITIC code: 1 code: 1 code: 1 code: 4 CATCH/H POSITIC code: 1 code: 1	1.00 0.87 100.00 CT STATI NLAT 10 OUR: 33 F TOT. C 100.00 0.04 100.04 100.04 100.04 100.04 NLAT Long 10 NLAT Long 10 NLAT 100.00 0.04 100.00 100.00 100.00	s 1733 E 1132 3333.34 SAMP 2394 0N: 718 S 1731 E 1141 239.23 SAMP 2395 0N: 719 S 1727 E 1132
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	Area code GearCond.c Validity c : 100 m Speed : 0.66 CATCH/HOU weight num 1.98 1.20 0.42 0.36 YPE: PT No:2 n) Purpose cc Area code GearCond.c Validity c : 100 m Speed : 5.45 CATCH/HOU weight num 25.09 9.82 0.22 0.11 35.24 YYPE: BT No:1 in) Purpose cc Area code GearCond.c Validity c : 100 m Speed : 25.09 9.82 0.22 0.11 35.24	: 0.66 CATCH/HOUR CATCH/HOUR 4 OF weight numbers 1.98 66 1.20 6 0.42 6 0.36 132 PROJEC YPE: PT No:2 POSITION n) Purpose code: 1 Area code : 3 GearCond.code: Validity code: : 100 m Speed: 33 km=1 cearCond.code: 25.09 5 9.82 895 0.22 16 0.11 60 35.24 PROJEC PROJEC PROJEC CATCH/HOUR 4 OI weight numbers 25.09 5 9.82 895 0.22 16 0.11 60 35.24 PROJEC PROJEC CATCH/HOUR 4 OI weight numbers : 60 m Speed: 32 km=1 Area code : 3 GearCond.code: 2 9.82 895 0.22 16 0.11 60 35.24 PROJEC CATCH/HOUR 4 OI weight numbers : 60 m Speed: 32 km=1 Area code : 3 GearCond.code: 3 CATCH/HOUR 4 OI weight numbers : 60 m Speed: 32 km=1 Area code : 3 GearCond.code: 32 km=1 Area code : 3 Area code : 3 GearCond.code: 32 km=1 Area code : 3 GearCond.code: 32 km=1 Area code :	n) Purpose code: 1 Area code : 3 GearCond.code: Validity code: 100 n Speed: 32 kn*10 : 0.66 CATCH/HOUR: CATCH/HOUR & OF TOT. C weight numbers 1.98 66 50.00 1.20 6 30.30 0.42 6 10.61 0.36 132 9.09 3.96 100.00 PROJECT STATIO YPE: PT No:2 POSITIONLAT S Long E n) Purpose code: 1 Area code : 3 GearCond.code: Validity code: Validity code: 25.09 5 71.20 9.82 895 27.87 0.32 16 0.62 0.11 60 0.31 35.24 100.00 PROJECT STATIO PROJECT STATIO PROJECT STATIO PROJECT STATIO 100.00 PROJECT STATIO PROJECT STATIO 25.09 5 71.20 9.82 895 27.87 0.32 16 0.62 0.11 60 0.31 35.24 100.00 PROJECT STATIO PROJECT STATIO

DATE: 4/12/94 GEAR TY				. 770
	PE: PT No:2		T STATION N:Lat S	1724
start stop duration TIME :02:00:00 02:05:00 5 (min	) Purpose	code: 1	Long E	1742
TOC :5751.00 5751.30 0.30	Area cod GearCond	e:3		
FDEPTH: 10 10 BDEPTH: 30 30	Validity	code:		
Towing dir: 360* Wire out:	100 m Spe-	ed: 32 kn*3	E0	
Sorted: 23 Kg Total catch:	83.26	CATCH/H	DUR: 99	9.12
SPECIES	CATCH/H weight n	OUR 10 umbers	F T01. C	SAMP
Engraulis capensis	657.00	39420	65.76	2397
Frachurus, Juveniles Thyrsites atun	309.60 15.72	26028 12	30.99	2399 2400
Etrumeus whiteheadi	5.76	144	0.58	2398
Saleichthys feliceps Trigla lyra	3.72 3.36	36 24	0.37	
Loligo vulgaris	3.24	72	0.32	
Sepia orbignyana	0.72	36	0.07	
Total	999.12		100.00	
NTR. 4 (10 (04 CERT (10	PE: PT No:2		CT STATION	
DATE: 4/12/94 GEAR TY start stop duration	PE: P1 NO.2		Long E	1133
TIME :05:14:00 05:24:00 10 (mir LOG :5776.30 5776.90 0.60	<ol> <li>Purpose</li> <li>Area cor</li> </ol>	code: 1 le : 3		
FDEPTH: 10 10	GearCond	l.code:		
BDEPTH: 121 118 Towing dir: 83° Wire out:	Validity	r code: ed: 32 kn#	10	
				78.60
Sorted: 13 Kg Total catch:	13.10	CATCH/P	OUK:	0.00
SPECIES	CATCH/I		F TOT. C	SAMP
Trachurus capensis	weight r 78.60	numbers 3750	100.00	2401
· ·		-		
Total	78,60		100.00	
DATE: 4/12/94 GEAR T	YPE: PT No:		CT STATIO	
	TPE: PT No:		Long E	1144
TIME :06:55:00 07:10:00 15 (mi) LOG :5789.20 5790.10 0.90	n) Purpose Area co	code: 1 de : 3		
FDEPTH: 0 0	GearCon	d.code:		
BDEPTH: 25 25 Towing dir: 350° Wire out	Validity 100 m Spe	y code: ed: 29 knª	10	
				6.40
Sort <del>e</del> d: 2 Kg Total catch	: 1.60	CRICE/	NOUR:	0.40
SPECIES		HOUR 1	OF TOT. C	SAMP
Chelidonichthys capensis	weight 6.20	28	96.88	
Trachurus capensis, juvenile	0.20	48	3.13	2402
Total	6.40		100.01	
DATE: 4/12/94 GEAR T	YPE: PT No:	PROJ 1 POSITI	ECT STATIC DN:Lat S	N: 723 1652
DATE: 4/12/94 GEAR T Start stop duration THE -21-31-00 21-45-00 14 (m)	YPE: PT No:	1 POSITI	ECT STATIC DN:Lat S Long E	N: 723 1652 : 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00	n) Purpose Area co	l POSITI code: l de :3	ECT STATIC DN:Lat S Long E	N: 723 1652 : 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32	n) Purpose Area co GearCon	l POSITIO code: l de : 3 d.code:	ECT STATIO DN:Lat S Long E	N: 723 1652 : 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 ROEPTH- 72 77	n) Purpose Area co	l POSITI code: l de : 3 d.code: y code:	DN:Lat S Long E	N: 723 1652 : 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEFTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out	n) Purpose Area co GearCon Validit : 150 m Sp	l POSITI code: 1 de : 3 d.code: y code: eed: 30 km	DN:Lat S Long E	N: 723 1652 1138 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 ROEPTH- 72 77	n) Purpose Area co GearCon Validit : 150 m Sp	l POSITI code: 1 de : 3 d.code: y code: eed: 30 km	DN:Lat S Long E	1652 : 1138
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEFTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/	1 POSITIO code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR %	DN:Lat S Long E	1652 1138 10.07
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24	1 POSITI code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR 1 numbers 90	DN:Lat S Long E *10 HOUR:	1652 1138 10.07
TIME :21:31:00 21:45:00 14 (mi LOG ::5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93	l POSITIA code: 1 de : 3 d.code: eed: 30 km CATCH/ HOUR 1 numbers 90 1427	<pre>&gt;DN:Lat S Long E *10 HOUR: OF TOT. C 42.11 19.17</pre>	1652 1138 10.07
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24	l POSITI code: 1 de : 3 d.code: eed: 30 km CATCH/ HOUR numbers 90 1427 656 69	<pre>&gt;</pre>	1652 1138 10.07 Sami
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SUFFICAE Sufflogobius bibarbatus Merlucclus capensis, juveniles Trachurus capensis, juvenile Small squids	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90	l POSITI code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR numbers 90 1427 656 59 81	<pre>&gt;DN:Lat S Long E &gt;10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94</pre>	1652 1138 10.07 Sami
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juvenile	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09	l POSITI code: 1 de : 3 d.code: eed: 30 km CATCH/ HOUR numbers 90 1427 656 69	<pre>&gt;DN:Lat S Long E +10 +0UR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89</pre>	1652 1138 10.07 SAM
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Dowing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEFIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juvenile Small squids	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90	l POSITI code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR numbers 90 1427 656 59 81	<pre>&gt;DN:Lat S Long E &gt;10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94</pre>	1652 1138 10.07 SAM
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257" Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juvenile Small squids Austroglossus microlepis	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09	<pre>l POSITIA code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR Numbers 90 1427 656 659 81 21</pre>	>10 +10 +10 HOUR: 	1652 1136 10.07 SAM
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Trachurus capensis, juvenile Small squids Austroglossus microlepis Total	n) Purpose Area co CearCon Validit : 150 m Sp .: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08	<pre>l POSITI code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR Numbers 90 1427 656 656 69 81 21</pre>	<pre>&gt;N:Lat s Long E +10 +10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89 100.11 ECT STATIC ON:Lat 3</pre>	1652 1138 10.07 SAM 240 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEFIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Trachurus capensis, juveniles Total DATE: 5/12/94 GEAR 1 start stop duration	n) Purpose Area co GearCon Validit : 150 m Sp : 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08	<pre>l POSITIA code: 1 de : 3 d.code: ed: 30 km cATCH/ HOUR numbers 90 1427 656 69 81 21 2 PROJ 2 POSITI</pre>	<pre>&gt;N:Lat s Long F +10 HOUR: OF TOT. C 42.1 19.17 15.79 13.21 8.99 100.11 ECT STATIU</pre>	1652 1138 10.07 SAM 240 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Total	n) Purpose Area co GearCon Validit : 150 m Sp : 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08	<pre>l POSITI code: l de : 3 d.code: eed: 30 km' CATCH/ HOUR CATCH/ HOUR NUMBERS 90 1427 656 659 81 21 2 PROJ 2 POSITI code: l</pre>	<pre>&gt;N:Lat s Long E +10 +10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89 100.11 ECT STATIC ON:Lat 3</pre>	1652 1138 10.07 SAM 240 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 PDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Trachurus capensis, juveniles Tatal Total DATE: 5/12/94 CEAR T start stop duration TIME :01:47:00 01:57:00 10 (mi LOC :5971.30 5971.90 0.60 PDEPTH: 10 10	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08	<pre>l POSITI code: 1 de : 3 d.code: y code: eed: 30 kn' CATCH/ HOUR PO 1427 656 656 656 81 21 PROJ 2 POSITI : code: 1 de : 3 d.code: 1</pre>	<pre>&gt;N:Lat s Long E +10 +10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89 100.11 ECT STATIC ON:Lat 3</pre>	1652 1138 10.07 SAM 240 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Total	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08	<pre>l POSITIA code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR CATCH/ HOUR numbers 90 1427 656 659 81 21 2 PROJ 2 PROJ 2 PROJ 2 PROJ 2 SOSTII code: 1 d.code: 1 90 1427 656 659 81 21 21 2 PROJ 2 2 PROJ 2 2 PROJ 2 2 PROJ 2 2 PROJ 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2</pre>	<pre>&gt;N:Lat s Long F +10 HOUR: oF TOT. C 42.11 19.17 15.79 13.21 8.84 0.89 100.11 ECT STATI( ON:Lat s Long 1</pre>	1652 1138 10.07 SAM 240 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEFIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Total	n) Purpose Area co GearCon Validit : 150 m Sp CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 ***********************************	<pre>l POSITI code: 1 de : 3 d.code: eed: 30 kn' CATCH/ HOUR CATCH/ HOUR NUMBERS 90 1427 656 659 81 21 2 PROJ 2 POSITI code: 1 de : 3 d.code: 1 de : 3 d.code: 1 code: 2 kn</pre>	>10 +10 +10 HOUR: OF TOT. C 42.11 19.77 15.79 13.21 8.94 0.89 100.11 ECT STATIC ON:Lat 2 Long 1 +10	1652 10.07 SAMI 240: 5 164' 5 112:
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEFIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Mall squids Austroglossus microlepis Total DATE: 5/12/94 GEAR 7 start stop duration TIME :01:47:00 C1:57:00 10 (mi LOG :5971.30 5971.90 0.60 FDEPTH: 107 106 Towing dir: 80° Wire out	n) Purpose Area co GearCon Validit : 150 m Sp CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 ***********************************	<pre>l POSITI code: 1 de : 3 d.code: eed: 30 kn' CATCH/ HOUR CATCH/ HOUR NUMBERS 90 1427 656 659 81 21 2 PROJ 2 POSITI code: 1 de : 3 d.code: 1 de : 3 d.code: 1 code: 2 kn</pre>	>10 +10 +10 HOUR: OF TOT. C 42.11 19.77 15.79 13.21 8.94 0.89 100.11 ECT STATIC ON:Lat 2 Long 1 +10	1652 10.07 SAMI 240: 5 164' 5 112:
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEFTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEFIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Mall squids Austroglossus microlepis Total DATE: 5/12/94 GEAR 7 start stop duration TIME :01:47:00 C1:57:00 10 (mi LOG :5971.30 5971.90 0.60 FDEPTH: 107 106 Towing dir: 80° Wire out	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 YYPE: PT No: Carcel/ Validit : 100 m Sp 23.75 CATCH/	<pre>l POSITI code: 1 de : 3 d.code: y code: eed: 30 kn' CATCH/ HOUR PO 1427 656 656 659 81 21 2 PROJ 2 POSITI code: 1 de : 3 d.code: 1 d.code: 1 d.code: 2 kn o CATCH/ HOUR \$ 2 POSITI</pre>	<pre>&gt;</pre>	1652 10.07 SAME 2402 5 164 3 1122
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Small squids Austroglossus microlepis Total DATE: 5/12/94 CEAR 7 start stop duration TIME :01:47:00 01:57:00 10 (mi LOC :5971.30 5971.90 0.60 FDEPTH: 10 10 BDEPTH: 107 106 Towing dir: 80* Wire out Sorted: 24 Kg Total catch SPECIES Trachurus capensis	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH, weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 YYPE: PT No: CATCH, veight :: 23.75 CATCH, weight 142.50	<pre>l POSITI code: l de : 3 d.code: eed: 30 kn CATCH/ HOUR numbers 90 1427 656 656 650 81 21 PROJ 2 POSITI code: l 90 1427 656 656 656 656 81 21 PROJ 2 POSITI code: l 31 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: l e</pre>	<pre>&gt;N:Lat s Long F *10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89 100.11 ECT STATI( ON:Lat S Long 1 *10 HOUR: *10 YOUR: *10</pre>	1652 10.07 SAM 240 240 10.07 SAM 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Mustroglossus microlepis Total DATE: 5/12/94 GEAR 7 Start stop duration TIME :01:47:00 C1:57:00 10 (mi LOC :5971.30 5971.90 0.60 FDEPTH: 107 106 Towing dir: 80° Wire out Sorted: 24 Kg Total catch SPECIES Trachurus capensis Merluccius capensis juveniles	n) Purpose Area co GearCon Validit : 150 m Sp c: 2.35 CATCH, weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 CATCH, veight 100 m Sp ch: 23.75 CATCH, weight 142.50 0.18	<pre>l POSITI code: 1 de : 3 d.code: eed: 30 kn' CATCH/ HOUR HOUR NUMBERS 90 1427 656 69 81 21 2 PROJ 2 POSITI code: 1 de : 3 21 2 PROJ 2 PROJ 2 POSITI code: 1 (CATCH/ CATCH/</pre>	<pre>&gt;</pre>	1652 10.07 SAM 240 240 10.07 SAM 240
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total eatch SPECIES SIFIOADE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Mall squids Austroglossus microlepis Total DATE: 5/12/94 GEAR 7 start stop duration TIME :01:47:00 C1:57:00 10 (mi LOC :5971.30 5971.90 0.60 FDEPTH: 10 10 EDEPTH: 10 10 Sorted: 24 Kg Total catch SPECIES Trachurus capensis Merluccius capensis, juveniles Synagrosp microlepis	n) Purpose Area co GearCon Validit : 150 m Sp :: 2.35 CATCH, weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 YYPE: PT No: CATCH, veight :: 23.75 CATCH, weight 142.50	<pre>l POSITI code: l de : 3 d.code: eed: 30 kn CATCH/ HOUR numbers 90 1427 656 656 650 81 21 PROJ 2 POSITI code: l 90 1427 656 656 656 656 81 21 PROJ 2 POSITI code: l 31 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: 32 kn PROJ 2 POSITI code: l eed: l e</pre>	<pre>&gt;N:Lat s Long F *10 HOUR: OF TOT. C 42.11 19.17 15.79 13.21 8.94 0.89 100.11 ECT STATI( ON:Lat S Long 1 *10 HOUR: *10 YOUR: *10</pre>	1652 10.07 SAM 240 240 10.07 SAM 240
TIME :21:31:00 21:45:00 14 (mi LOG :5931.60 5932.60 1.00 FDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257* Wire out Sorted: 2 Kg Total catch SPECIES SIFIIOAE Sufflogobins bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Mall squids Austroglossus microlepis Total DATE: 5/12/94 GEAR 7 start stop duration TIME :01:47:00 C1:57:00 10 (mi LOG :5971.30 5971.90 0.60 FDEPTH: 107 106 TOWING dir: 80° Wire out Sorted: 24 Kg Total catch SPECIES Trachurus capensis Merluccius capensis Merluccius capensis Merluccius capensis Merluccius capensis Iaemonema laureysi Trichlurus lepturus	<pre>n) Purpose Area co GearCon Validit : 150 m Sp  CATCH/ weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 YYPE: PT No: Area co GearCon Validit :: 100 m Sp Area co GearCon Validit :: 23.79 CATCH/ weight 142.50 0.18 0.06 0.00</pre>	<pre>l POSITI code: 1 de : 3 d.code: y code: eed: 30 km CATCH/ HOUR CATCH/ HOUR 1427 656 659 81 21 21 PROJ 2 POSITI code: 1 bde : 3 d.code: 90 1427 656 659 81 21 22 PROJ 2 POSITI code: 1 code: 1 0 code: 90 1427 656 659 81 21 21 20 20 20 20 20 20 20 20 20 20 20 20 20</pre>	<pre>&gt;</pre>	1652 10.07 SAMI 2403 5 164 3 112 142.74 SAM
TIME :21:31:00 21:45:00 14 (mi LOC :5931.60 5932.60 1.00 PDEPTH: 32 32 BDEPTH: 72 77 Towing dir: 257 Wire out Sorted: 2 Kg Total catch SPECIES SEPIIDAE Sufflogobius bibarbatus Merluccius capensis, juveniles Trachurus capensis, juveniles Trachurus capensis, juveniles Total DATE: 5/12/94 GEAR T start stop duration TIME :01:47:00 C1:57:00 10 (mi LOC :5971.30 5971.90 0.60 PDEPTH: 107 106 Towing dir: 80° Wire out Sorted: 24 Kg Total catch SPECIES Trachurus capensis, juveniles Synagrops microlepis Laemonema laureysi	n) Purpose Area co GearCon Validit : 150 m Sp c: 2.35 CATCH, weight 4.24 1.93 1.59 1.33 0.90 0.09 10.08 YYPE: PT No: CATCH, weight 100 m Sp carCor Validit : 100 m Sp carCor Validit : 23.75 CATCH, weight	<pre>l POSITI code: 1 de : 3 d.code: ed: 30 kn' CATCH/ HOUR numbers 90 1427 656 659 81 21 2 POSITI code: 1 de : 3 d.code: 1 dde : 3 d.code: 1 dde : 3 d.code: 1 dde : 3 d.code: 2 code: 0 cATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ HOUR CATCH/ CATCH/ HOUR CATCH/</pre>	<pre>&gt;</pre>	1652 10.07 SAMF 2403 5 164 5 164 1122

				N. 775	
	PE: PT No:	2 POSITIO		1642	DATE
start stop duration TIME :03:55:00 04:05:00 10 (min	) Purpose	code: 1	Long E	1140	TIM
LOG :5987.40 5988.00 0.60 FDEPTH: 5 5	Area co GearCon	de : 3 d.code:			LOG FDEI
BDEPTH: 37 46 Towing dir: 265° Wire out:	Validit	y code:	10		BDEI
				17.20	
Sorted: 27 Kg Total catch:	341.23	CATCH/H	OUR: 20-	47.38	Sc
SPECIES	CATCH/	HOUR % O	F TOT. C	SAMP	SPECIES
Trachurus, Juveniles		numbers 129942	94.95	2407	Sardinop
Trachurus capensis	78.60	408	3.84	2406	Trachuru
MYLIOBATIDAE Todarodes sagittatus	19.20 2.46	6 36	0.94 0.12		Trachuru Sepia ou
Galeichthys feliceps Sepia orbignyana	1.86 1.26	12 18	0.09		Todarode
Total	2047.38	-	100.00		Hyperog.
TOTAL	2047.38		100.00		Beryx sl
					Total
DATE: 5/12/94 GEAR TY	DF. DT No.	PROJE 2 POSITIO	CT STATIO		
start stop duration			Long E		
TIME :07:35:00 07:48:00 13 (min LOG :6023.00 6023.80 0.80		code: 1 de : 3			DAT
FDEPTH: 10 10 BDEPTH: 91 88	GearCon Validit	d.code:			TIM
Towing dir: 83° Wire out:	100 m Sp	eed: 31 kn*	10		FDE
Sorted: Kg Total catch:		CATCH/H	OUR:		BDÉ
					54
SPECIES	CATCH/ weight		F TOT. C	SAMP	
Trachurus capensis	0.00	5			SPECIES
Alopias vulpinus	0.00	5			Trachur
Total					Trachur
					Total
			CT STATIO		
DATE: 5/12/94 GEAR TY start stop duration	PE: BT No:	1 POSITIC	N:Lat S Long E		
TIME :10:32:0C 10:46:00 14 (min LOG :6049.00 6050.10 1.10		code: 1 de : 3			DAT
FDEPTH: 117 116	GearCon	d.code:			TIM
BDEPTH: 117 116 Towing dir: 90° Wire out:	450 m Sp	y code: eed: 30 kn≠	10		LOG FDE
Sorted: 89 Kg Total catch:	987.66	CATCH/H	IDUR: 42	32.83	BDE
-					S
SPECIES	CATCH/		F TOT. C	SAMP	
Trachurus capensis	weight 2719.29	41241	64.24	2408	SPECIES
Dentex macrophthalmus Spondylioscma cantharus	925.71 331.07	7393 514	21.87 7.82		Trachur
Argyrosomus hololepidotus Umbrina canariensis	104.57 61.71	77 129	2.47 1.46		Trachur
Merluccius capensis, juveniles	47.57 25.07	129	1.12		Total
Synagrops microlepis Small squids	15.43	193 193	0.36		
Chelidonichthys capensis	2.40	129	0.06		
Total	4232.82		99.99		DAT
					TIM
			CT STATIO		FDE
start stop duration	PE: PT No:		N:Lat S Long E	1629	BDE
TIME :20:23:00 20:57:00 34 (min LOG :6178.40 6180.10 1.70		code: 1 de : 3			s
FDEPTH: 0 0 BDEPTH: 16 17	GearCor	d.code:			
		eed: 33 kn*	10		SPECIES
Sorted: 35 Kg Total catch:	5214.00	CATCH/H	IOUR: 92	01.18	Trachur
					Sardine Stromat
SPECIES	CATCH/ weight		OF TOT. C	SAMP	Sarda s Small s
Sardinops ocellatus	9105.88	81840	98.96	2409	CARANGI
Trachurus trecae	95.29	2647	1.04	2410	Total
Total	9201.17		100.00		
			CT STATIO		DAT
DATE: 6/12/94 GEAR TY start stop duration	PE: PT No:	2 POSITIC	N:Lat S Long E	: 1624 : 1134	TIM
TIME :23:09:00 23:21:00 12 (min LOG :6196.70 6197.30 0.60		code: 1 de : 3			LOG FDE
FDEPTH: 10 10	GearCor	nd.code:			BDE
BDEPTH: 83 80 Towing dir: 90° Wire out:		ty code: weed: 32 kn*	10		
Sorted: 4 Kg Total catch:				50.00	s
SPECIES	CATCH/		OF TOT. C	SAMP	SPECIES
Trachurus trecae	weight 310.50	numbers 9360	88.71	2411	Trachur Pomatom
Scomber japonicus	36.30	100	10.37	2412	Diplodu
Todarodes sagittatus Merluccius capensis, juveniles	1.00	760	0.29		Sepia s Sardine
Sepia sp. Synagrops microlepis	0.80 0.40	30 360	0.23		Mustelu Argyros
Total	350.00		100.00		Sarda s Todarod
	530.00		100.00		Trachin
					Decapte Dentex

 
 PROJECT ST.
 PROJECT ST.

 TE: 6/12/94
 GEAR TYPE: PT No:2
 POSITION:Lat

 start
 stop
 duration
 Lon.

 ME: 01.54:00
 02:10:00
 16 (min)
 Purpose code: 1
 Lon.

 G
 :6218.20
 6219.00
 C.80
 Area code : 3
 BPTH: 10
 10
 GearCond.code:

 EPTH:
 10
 10
 GearCond.code:
 Towing dir: 78"
 Validity code:
 Lat S 1621 Long E 1141 Sorted: 83 Kg Total catch: 138.81 CATCH/HOUR: 520.54 CATCH/HOUR % OF TOT. C weight numbers 274.69 1999 52.77 167.81 1538 32.24 s SAMP ops ocellatus rus trecae rus, Juveniles orbignyana des sagittatus oscion aequidens glyphe moselii splendens 2415 274.69 167.81 53.74 16.61 4.20 2.29 0.94 0.26 52.77 32.24 10.32 3.19 0.81 0.44 2414 2413 1538 6008 308 45 4 4 19 0.18 0.05 splendens 520.54 100.00 PROJECT STATION: 731 Start stop duration Long E 1136 MG :04:55:00 05:08:00 10 (min) Purpose code: 1 G :6242.20 6242.80 1.60 Area code : 3 EPTH: 10 10 GenrCond.code: EPTH: 74 72 Valtaria Towing dir: 80° P<sup>(--</sup> Sorted: 52 Kg Total catch: 51.65 CATCH/HOUR: 309.90 CATCH/HOUR & OF TOT. C SAMP weight numbers 241.50 1276 77.93 2416 68.40 1824 22.07 s rus trecae rus trecae, juvenile 309.90 100.00 PROJECT STATION: 732 Lat S 1614 Long E 1142 GEAR TYPE: PT No:2 POSITION:Lat TE: 7/12/94 
 TE: 7/12/94
 GEAR TYPE: PT No:2
 POSITION:La

 start
 stop
 duration
 Lo

 ME: 07:04:00
 07:14:00
 10
 (min)
 Purpose code: 1

 ME: 07:04:00
 07:14:00
 10
 (min)
 Purpose code: 1

 MG: 6257.50
 6258.10
 0.60
 Area code : 3
 3

 MEPTH:
 10
 GearCond.code:
 EPTH: 51
 53
 Validity code:

 EPTH:
 51
 53
 Validity code:
 Towing dir: 28\*
 Wire out: 100 m
 Speed: 31 kn\*10
 Total catch: 1.37 CATCH/HOUR: Sorted: 1 Kg 8.22 CATCH/HOUR % OF TOT. C SAMP weight numbers 4.56 24 55.47 2419 3.66 24 44.53 2418 ES rus capensis rus trecae 8.22 100.00 PROJECT STATION: 733 PROJECT 3 ATE: 7/12/94 GEAR TYPE: FT No:2 POSITION:Le start stop duration Le IME: 09:59:00 10:09:00 10 (min) Purpose code: 1 GG: 6279.30 6279.90 0.60 Area code : 3 DEPTH: 10 10 GearCond.code: DEPTH: 40 36 Validity.code: Towing dir: 77\* Wire out: 100 m Speed: 31 kn\*10 GEAR TYPE: PT No:2 POSITION:Lat S 1609 ration Long E 1144 Sorted: 20 Kg Total catch: 19.63 CATCH/HOUR: 117.78 CATCH/HOUR & OF TOT. C SAMP s weight 49.20 numbers 282 41.77 2420 2421 rus trecae 28∠ 54 18 24 42 18 41.77 21.14 14.11 13.35 6.05 3.57 ella maderensis teus fiatola 24.90 16.62 sarda squids IDAE 15.72 4.20 100.00 117.78 PROJECT STATION: 734 
 PRODUCT
 PRODUCT

 ATE: 7/12/94
 GEAR TYPE: PT No:2
 POSITION:1

 start stop duration
 L

 ntm: 13:17:00 13:21:00 15 (min) Purpose code: 1
 L

 DG :6035.70 6036.30 C.70
 Area code : 3

 DEPTH:
 5
 GearCond.code:

 DEPTH:
 29
 Validity code:

 Towing dir: 295\* Wire out: 100 m Speed: 32 kn\*10
 GEAR TYPE: PT No:2 POSITION:Lat S 1603 ration Long E 1146 Sorted: 77 Kg Total catch: 76.88 CATCH/HOUR: 307.52 /HOUR & OF TOT. C ES CATCH/HOUR SAMP CATCH weight 164.00 45.20 37.60 17.20 3080 84 248 8 32 8 erus trecae mus saltatrix lus sargus capensis 53.33 14.70 12.23 5.59 2422 2426 2423 sp. ella maderensis 17.20 12.72 8.80 7.40 6.72 3.76 3.00 1.08 0.04 0.00 2425 4.14 2.86 us mustelus somus hololepidotus 20 2.41 2.19 2427 2424 sarda 8 8 Sarda sarda Todarodes sagittatus Trachinotus ovatus Decapterus rhonchus Dentex macrophthalmus Lagocephalus laevigatus 1.22 12 0 98 0 35 0.01 12 307.52 100.01 Total

PROJECT STATION: 730

DATE: 7/12/94 GEAR TYP	E: PT No:2		DJECT STATI	S 1614
start stop duration TIME :16:17:00 16:32:00 15 (min)	Purpose	code:	Long 1	E 1146
LOG :6331.30 6332.20 0.90	Area cod	le :	3	
FDEPTH: 10 10 EDEPTH: 28 28	GearCond Validity			
Towing dir: 195° Wire out:	100 m Spe	ed: 33 i	kn*10	
Sorted: 31 Kg Total catch:	99.87	CATC	H/HOUR:	399.48
SPECIES	CATCH/H weight n		S OF TOT. C	SAMP
Trachurus trecae	320.60	2932	80.25	2428
POMADASYIDAE (HAEMULIDAE) Hyperoglyphe moselii	34.24 18.28	40 28	8.57 4.58	2430 2432
Etrumeus whiteheadi	9.76	248	2.44	2429
CARANGIDAE SPARIDAE	5.56 3.72	12	1.39 0.93	2431
Pomatomus saltatrix	3.00	8	0.75	
SCOMBRIDAE Trichiurus sp.	2.28	8 8	0.57 0.17	
Sardinops ocellatus	0.60	4 36	0.15	
Small squids Sepia sp.	0.28	12	0.07	
Total	399.48		99.99	
iotai	000140			
DATE: 7/12/94 GEAR TY	DE. DT No.		OJECT STATI TION:Lat	ON: 736 S 1647
start stop duration	PE: PT No:2			E 1140
TIME :20:07:00 20:21:00 14 (min LOG :6368.20 6369.00 0.80	) Purpose Area cod	code:	1	
FDEPTH: 0 0	GearCond	d.code:	-	
BDEPTH: 32 33 Towing dir: 2 <sup>•</sup> Wire out:	Validity 100 m Spe		kn*10	
-				659.83
Sorted: 28 Kg Total catch:	4353.96	CATC	H/HOUR: 18	4039.03
SPECIES	CATCE/I	HOUR	OF TOT. C	SAMP
	weight r	numbers		
Trachurus capensis, juvenile Sardinops ocellatus	18151.71 3 361.03	1230510 2674	97.28 1.93	2433
Etrumeus whiteheadi	147.09	4011	0.79	
Mola mola	0.00	4		
Total	18659.83		100.00	
			ROJECT STATI	
DATE:10/12/94 GEAR TY start stop duration	PE: PT No:	2 POSI	TION:Lat Long	S 1736 E 1143
TIME :01:29:00 01:44:00 15 (min			1	
LOG :6862.90 6863.50 0.60 FDEPTH: 10 10	Area con GearCon		3	
BDEPTH: 38 37 Towing dir: 180° Wire out:	Validity 100 m Spe	y code:	L=+10	
·	-			
Sorted: 50 Kg Total catch:	-			517.36
Sorted: 50 Kg Total catch:	1379.34	CAT	CH/HOUR: 5	
Sorted: 50 Kg Total catch:	1379.34 CATCH/I weight	CATC HOUR numbers	CH/HOUR: 9	: SAMP
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus	1379.34 CATCH/1 weight : 5445.00	CATO HOUR numbers 140160	CH/HOUR: 9 % OF TOT. 0 98.69	
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis	1379.34 CATCH/ weight : 5445.00 39.60 15.40	CATC HOUR numbers 140160 8200 1868	CH/HOUR: 5	5 SAMP 2434
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi	1379.34 CATCH/I weight : 5445.00 39.60	CATO HOUR numbers 140160 8800	CH/HOUR: 5 % OF TOT. 3 98.69 0.72	2434 2437
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles	L379.34 CATCH/1 weight 5445.00 39.60 15.40 12.96 4.40	CATC HOUR numbers 140160 8200 1868 4	CH/HOUR: 9	2434 2434 2437 2435
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96	CATC HOUR numbers 140160 8200 1868 4	CH/HOUR: 9 % OF TOT. 0 98.69 0.72 0.28 0.28 0.23	2434 2434 2437 2435
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles	L379.34 CATCH/1 weight 5445.00 39.60 15.40 12.96 4.40	CATC HOUR numbers 140160 8800 1868 4 2100	CH/HOUR: 5	2434 2437 2435 2436
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96 4.40 5517.36	CATC HOUR numbers 140160 8800 1868 4 2100	CH/HOUR: 9 & OF TOT. 0 98.69 0.72 0.72 0.28 0.23 0.08 100.00 ROJECT STAT:	2 SAMP 2434 2437 2435 2436
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY start stop duration	1379.34 CATCH/ weight 5 545.00 15.40 12.96 4.40 5517.36	CATC HOUR numbers 140160 1868 4 2100 Pi 2 Pos:	CH/HOUR: 9 • OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long	2434 2437 2435 2436
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY start stop duration TIME :06:35:00 06:45:00 10 (min LOG :6908.50 6509.20 0.60	1379.34 CATCH/ weight :: 5445.00 39.60 15.40 12.96 4.40 5517.36 : PE: PT No: Area co Area co	CATC HOUR numbers 140160 8800 1868 4 1100 2 POS 2 POS code: de:	CH/HOUR: 9 CH/HOUR: 9 COMPARISON COMPAR	2434 2437 2435 2436 2436
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT start stop duration TIME :06:35:00 06:45:00 10 (mir LOG :6908.60 6909.20 0.60 FDEPTH: 10 10	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 "PE: PT No: 1) Purpose Area co GearCon	CATC HOUR numbers 140160 8800 1868 4 2100 2 POS: code: de :	CH/HOUR: 9 CH/HOUR: 9 COMPARISON COMPAR	2434 2437 2435 2436 2436
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY start stop duration TIME :06:35:00 06:45:00 10 (min LOG :6908.50 6509.20 0.60	1379.34 CATCH/ weight :: 5445.00 39.60 15.40 12.96 4.40 5517.36 PE: PT No: : ) Purpose Area co GearCon Validit	CATC HOUR numbers 140160 88000 1868 4 1100 2 POS: code: de : d.code: y code:	CH/HOUR: 9 • OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: Long 1 3	2 SAMP 2434 2437 2435 2436 2436 10N: 738 5 1716
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT Start stop duration TIME :06:35:00 06:45:00 10 (mir LGG :6908.60 6509.20 0.60 FDEPTH: 10 10 BDEFTH: 28 28	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon validit 100 m Sp	CATC HOUR numbers 140160 8800 1868 4 1100 2 POS 2 POS 2 Code: de : dc.code: y code: y code:	CH/HOUR: 9 • OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: Long 1 3	2434 2437 2435 2436 ION: 738 5 1716 E 1143
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT start stop duration TIME:06:35:00 61:45:00 10 (mir LOG :5908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out:	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon validit 100 m Sp	CATC HOUR numbers 140160 18684 2100 2 POS code: de : d.code: y code: seed: 31	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TTION: Lat Long 1 3 kn*10 CH/HOUR:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>S 1716</li> <li>E 1143</li> <li>1488.72</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT start stop duration TIME:06:35:00 61:45:00 10 (mir LOG :5908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out:	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: PE: PT No: PE: PT No: Area coo GearCon validit 100 m Sp 248.12 CATCH/	CATC HOUR numbers 140160 18800 1868 4 2100 2 POS: code: y code: eed: 31 CATC HOUR	CH/HOUR: 9 CH/HOUR: 9 COMPARISON CH/HOUR: 9 CH/HOUR: 9 CH/HOU	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>S 1716</li> <li>E 1143</li> <li>1488.72</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TM Start stop duration TIME :06:35:00 06:45:00 10 (min LOG :6908.60 6:909.20 0.60 FDEPTH: 10 10 BDEFTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES	1379.34 CATCH/ weight :: 5445.00 39.60 15.40 12.96 4.40 5517.36 PE: PT No: CPE: PT No: Area co GearCon Validit 100 m Sp 248.12	CATC HOUR numbers 140160 18688 4 1100 2 POS code: de : d.code: y code: eed: 31 . CATC HOUR numbers	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: 1 • OF TOT. (	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>Sinta State</li> <li>Sinta State</li> <li>Sinta State</li> <li>Samp</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT start stop duration TIME: 06135:00 05:45:00 10 (mir LOG : 6908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 28 28 Toving dir: 360° Wire out: Sorted: 30 kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40	CATC HOUR numbers 140160 18688 4 2100 2 POS: code: decode: decode: code: eed: 31 CATC HOUR numbers 777922 33030	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT. ITTION: LAT Long 1 3 kn * 10 CH/HOUR: • OF TOT. 1 \$ 0.5.13 29.99	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>E</li></ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY start stop duration TIME :06:35:00 06:45:00 10 (mir LOG :6908.60 6909.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Toving dir: 360 Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: PPE: PT No: PPE: PT No: PUrpose Area co GearCon Validit 100 m Sp 248.12 CATCH/ weight 820.80	CATC HOUR numbers 140160 18688 4 2100 2 POS: code: decode: decode: code: eed: 31 CATC HOUR numbers 777922 33030	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. ( \$5.13 29.99 9.65	<ul> <li>SAMP         <ul> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> </ul> </li> <li>ION: 738         <ul> <li>5 1716</li> <li>E 1143</li> </ul> </li> <li>I488.72</li> <li>C SAMP         <ul> <li>2439</li> <li>2438</li> <li>2431</li> </ul> </li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TW Start stop duration TIME :06:35:00 06:45:00 10 (mir LGG :6908.60 6309.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thrachurus capensis Thrachurus capensis Thrachurus capensis Thachurus capensis	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon Validit 100 m Sp 248.12 CATCH/ weight 220.80 446.40 143.28 57.30 14.40	CATC HOUR numbers 140160 8800 1808 4 1100 2 POS: code: de : d.code: y code: eed: 31  CATC HOUR numbers 77922 33030 2160 36 432	CH/HOUR: 9 • OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. 1 \$ OF TOT. 1 \$ OF TOT. 1 \$ 0.00 0.0	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>CON: 738</li> <li>5 1716</li> <li>E 1143</li> <li>1488.72</li> <li>CA39</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT Start stop duration TIME:06:35:00 06:45:00 10 (min LOG :6908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 10 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thyrsites atun	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30	CATC HOUR numbers 140160 1868 4 2100 1868 4 2100 2 POS code: de : d.code: de : de : de : de : de : de : de : d	CH/HOUR: 9 CH/HOUR: 9 COMPARISON OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 100.00 CH/HOUR: 1 CH/HOUR:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>CON: 738</li> <li>5 1716</li> <li>E 1143</li> <li>1488.72</li> <li>CA39</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Total DATE:10/12/94 GEAR TY Start stop duration TIME :06:35:00 06:45:00 10 (min LOG :6908.60 6909.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Tyrachurus capensis	1379.34 CATCH/ weight 5445.00 12.96 4.40 5517.36 PE: PT No: Area co GearCon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 14.32 2.22	CATC HOUR numbers 140160 1868 4 2100 2 POS code: 4 2 POS code: y code: 4 de : 31 code: y code: 4 code: 31 CATC HOUR Numbers 77922 33030 2160 366 432 722	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TTION:Lat Long 1 3 kn=10 CH/HOUR: • OF TOT. 9 55.13 29.99 9.62 3.85 0.97 0.29 0.15	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>CON: 738</li> <li>5 1716</li> <li>E 1143</li> <li>1488.72</li> <li>CA39</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY Start stop duration TIME:06:35:00 06:45:00 10 (min LOG :6908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thyrsites atum Sardinops ocellatus Sepia sp.	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96 4.40 S517.36 PE: PT No: PE: PT No: PE: PT No: PUrpose Area co GearCon validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40	CATC HOUR numbers 140160 1868 4 2100 PP 2 POS code: 4 2 POS code: 310 CATC HOUR numbers 77922 33030 0366 432 72	CH/HOUR: 9 CH/HOUR: 9 COMPARISON OF TOT. 0 98.69 0.72 0.28 0.23 0.08 100.00 100.00 CH/HOUR: 1 CH/HOUR:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>CON: 738</li> <li>5 1716</li> <li>E 1143</li> <li>1488.72</li> <li>CAMP</li> <li>2439</li> <li>2438</li> <li>2431</li> <li>2439</li> <li>2438</li> <li>2431</li> <li>2439</li> <li>2438</li> <li>2431</li> <li>2430</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Total DATE:10/12/94 GEAR TY Start stop duration TIME :06:35:00 06:45:00 10 (min LOG :6908.60 6909.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Tyrachurus capensis	1379.34 CATCH/ weight 5445.00 12.96 4.40 5517.36 PE: PT No: Area co GearCon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 14.32 2.22	CATC HOUR numbers 140160 1868 4 2100 PP 2 POS code: 4 2 POS code: 310 CATC HOUR numbers 77922 33030 0366 432 72	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TTION:Lat Long 1 3 kn=10 CH/HOUR: • OF TOT. 9 55.13 29.99 9.62 3.85 0.97 0.29 0.15	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2435</li> <li>2436</li> <li>CON: 738</li> <li>5 1716</li> <li>E 1143</li> <li>1488.72</li> <li>CA39</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TT Start stop duration TIME:06:35:00 Gi:45:00 10 (mir LOG :6908.60 6909.20 0.60 PDFTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thysrites atun Sardinops ocellatus Sepia sp. small squids Total	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co CearCon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 4.32 2.22 1488.72	CATC HOUR numbers 140160 1868 4 2100 2 POS 2 POS	CH/HOUR: 9 CH/HOUR: 9 CH/HOU	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>E</li></ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TY Start stop duration TIME:06:35:00 06:45:00 10 (min DATE:10/12/94 GEAR TY Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thyssites atum Sardinops ocellatus Sepia Sp. Small squids Total DATE:10/12/94 GEAR TY	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: PE: PT No: 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 14.40 2.22 1488.72 RE: PT No:	CATC HOUR numbers 140160 1868 4 2100 2 POS code: 4 2 POS code: 310 CATC HOUR Numbers 77922 33030 266 432 72 6 1 POS	CH/HOUR: 9 CH/HOUR: 9 CH/HOU	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>E</li></ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi DaTE:10/12/94 GEAR TT start stop duration TIME:06135:00 05:45:00 10 (min LOG :6908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Total DATE:10/12/94 GEAR TT Start stop duration TIME:08:34:00 08:45:00 11 (min	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: 100 m Sp 248.12 CATCH/ weight 820.80 4.40 143.28 57.30 14.40 143.28 57.30 14.40 143.28 57.30 14.40 1485.72 PE: PT No: 2.22 1488.72	CATC HOUR numbers 140160 1808 4 2100 2 POS code: de code: 4 2 POS code: 1 POS 5 1 POS 5 code:	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn * 10 CH/HOUR: • OF TOT. 1 29.99 9.62 3.85 0.97 0.25 100.00 ROJECT STAT: 100.00 ROJECT STAT: 100.00 10	с SAMP 2434 2437 2435 2436 2436 5 1716 E 1143 1488.72 C SAMP 2438 2434 2441 2440
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT start stop duration TIME :06:35:00 05:45:00 10 (min LOG :5908.60 6909.20 0.60 PDEPTH: 10 10 BDEPTH: 10 10 BDEPTH: 28 28 Toving dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Thyrsites atun Sardinops ocellatus Sepia sp. Small squids Total DATE: 10/12/94 GEAR TI Start stop duration TIME :08:34:00 08:45:00 11 (min LOG ::6921.70 6922.50 0.80	1379.34 CATCH/ weight 5445.00 39.60 15.40 12.96 4.40 5517.36 PE: PT No: 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 1485.72 (PE: PT No: 1485.72 (PE: PT No: 1485.72	CATC HOUR numbers 140160 18688 4 2100 2 POS code: de : d.code: 33030 2160 36 432 72 2 6 1 POS code: 1 POS	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn * 10 CH/HOUR: • OF TOT. 1 29.99 9.62 3.85 0.97 0.25 100.00 ROJECT STAT: 100.00 ROJECT STAT: 100.00 10	с SAMP 2434 2437 2435 2436 2436 5 1716 E 1143 1488.72 C SAMP 2438 2434 2441 2440
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TX Start stop duration TIME :06:35:00 06:45:00 10 (mir LOG :6908.60 6309.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Total DATE:10/12/94 GEAR TI Sardinops ocellatus Sepia sp. Small squids Total	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCon Validit 100 m Sp 248.12 CATCH/ 820.80 446.40 143.28 57.30 14.80 14.32 1488.72 I488.72 IFE: PT No: 2.22 I488.72	CATC HOUR numbers 140160 8800 18086 4 1100 2 POS: code:: d.code:: y code: 1 POS 1 POS	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn=10 CH/HOUR: • OF TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0.6 0.23 0.08 100.00 ROJECT STAT: 100.00 ROJECT STAT: ITION:Lat Long 1 3	с SAMP 2434 2437 2435 2436 2436 5 1716 E 1143 1488.72 C SAMP 2438 2434 2441 2440
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TM Start stop duration TIME: 06:135:00 06:45:00 10 (min LOG : 6908.60 6909.20 0.60 FDEPTH: 10 10 BDEPTH: 20 28 Towing dir: 360° Wire out: Sorted: 30 kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Thyrsites atun Sardinops ocellatus Sepia sp. Small squids Total DATE: 10/12/94 GEAR TM Start stop duration TIME: 08:34:00 08:45:00 11 (min LOG : 6922.70 6922.50 0.80 FDEPTH: 16 37 BDEPTH: 27 37 Towing dir: 360° Wire out:	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Durpose Area co GearCom validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.42 2.22 1488.72 IFE: PT No: a) Purpose Area co GearCom validit 150 m Sp	CATC HOUR numbers 140160 8800 1868 4 1000 2 POS: code: d. code: 9 code: 1 POS 2 code: 1 POS 2 code: 1 POS 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 3 code: 3 code: 3 code: 3 code: 2 code: 3 code	CH/HOUR: 9 • OF TOT. 9 • OF TOT. 9 0.28 0.23 0.08 100.00 ROJECT STAT. ITION:Lat Long 1 3 kn*10 CH/HOUR: 1 • OF TOT. 1 29.99 9.62 3.85 0.97 0.25 100.00 ROJECT STAT. ITION:Lat Long 1 29.99 9.62 3.85 0.97 0.23 1 29.99 1.25 1.00.00 ROJECT STAT. ITION:Lat Long 1.25 1	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>SAMP</li> <li>2436</li> <li>2439</li> <li>2439</li> <li>2439</li> <li>2439</li> <li>2440</li> <li>ION: 739</li> <li>5</li> <li>1710</li> <li>E</li> <li>1136</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TX Start stop duration TIME :06:35:00 06:45:00 10 (mir LOG :6908.60 6309.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Tyrachurus capensis Total DATE:10/12/94 GEAR TI Sardinops ocellatus Sepia sp. Small squids Total	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.48.72 1488.72 IABS.72 IABS.72 IABS.72 IABS.72	CATC HOUR numbers 140160 8800 1868 4 1000 2 POS: code: d. code: 9 code: 1 POS 2 code: 1 POS 2 code: 1 POS 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 2 code: 3 code: 3 code: 3 code: 3 code: 2 code: 3 code	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn=10 CH/HOUR: • OF TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0.15 100.00 ROJECT STAT: ITION:Lat Long 1 3	с SAMP 2434 2437 2435 2436 сом: 738 5 1716 E 1143 1488.72 C SAMP 2438 2434 2441 2440
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE:10/12/94 GEAR TX Start stop duration TIME :06:35:00 06:45:00 10 (mir LOG :6908.60 6309.20 0.60 FDEPTH: 10 10 BDFTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Total DATE:10/12/94 GEAR TI Sardinops ocellatus Sepia sp. small squids Total DATE:10/12/94 GEAR TI Start stop duration TIME :08:34:00 08:45:00 11 (mir LOG :6921.70 6922.50 0.80 FDEFTH: 16 18 BDEFTH: 16 18 BDEFTH: 16 18 BDEFTH: 2 Kg Total catch:	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 PE: PT No: PE: PT No: PE: PT No: CATCH/ weight 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 14.40 2.22 1488.72 PE: PT No: 100 m Sp 2.22 1488.72 PE: PT No: 1.70	CATC HOUR numbers 140160 8200 1868 4 2100 2 POS code: 4 2 POS code: y code: 4 4 2 POS 3030 2 for 3030 2 for 3030 2 for 3030 2 for 3030 2 for 3 for 4	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0F TOT. ( \$ 0.15 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>14488.72</li> <li>C</li> <li>SAMP</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT Start stop duration TIME :06:35:00 06:45:00 10 (min LOG :0908.60 6909.20 0.60 FDEPTH: 10 10 BDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Thysites atun Sardinops ocellatus Sepia sp. Small squids Total DATE: 10/12/94 GEAR TT Start stop duration TIME :08:34:00 8:45:00 11 (min LOG :6921.70 6922.50 0.80 FDEPTH: 16 18 BDEPTH: 16 18 BDEPTH: 16 18 BDEPTH: 16 18 BDEPTH: 27 87 Towing dir: 360° Wire out: Sorted: 2 Kg Total catch:	1379.34 CATCH/ weight :: 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co GearCom validit 100 m Sp 248.12 CATCH/ weight 150 m Sp : 1.70 CATCH/ weight	CATC HOUR numbers 140160 18680 1868 4 1100 2 POS: code: : d.code: : y code: : eed: 31 CATC HOUR 72 30300 2160 36 4322 72 6 1 POS code: : eed: 31 CATC 1 POS 30300 2160 36 4322 72 6 1 POS 200 200 200 200 200 200 200 20	CH/HOUR: 9 • OF TOT. ( 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: 1 0.97 0.25 0.97 0.29 0.15 100.00 ROJECT STAT: ITION:Lat Long 1 3 kn*10 CH/HOUR: 1 3 kn*10 CH/HOUR: 1 3 kn*10 CH/HOUR: 1 3 kn*10 CH/HOUR: 1 3 kn*10 CH/HOUR: 1 3 CH/HOUR: 1 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: 2 CH/HOUR: CH/H	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>C</li> <li>SAMP</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT Start stop duration TIME : 06: 35:00 06:45:00 10 (min DEPTH: 10 10 DEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trotal DATE: 10/12/94 GEAR TT Start stop duration TIME : 08:34:00 08:45:00 11 (min LOG : 6921.70 69:22.50 0.80 FDEPTH: 15 18 DEPTH: 67 87 Towing dir: 360° Wire out: Sorted: 2 Kg Total catch: SPECIES Thyrsites atun	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co Gearcon validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 1488.72 I488.72 I488.72 I488.72 IFE: PT No: a 1.70 CATCH/ weight 8.56	CATC HOUR numbers 140160 18688 4 2100 2 POS code: eed: 31 CAT HOUR numbers 77922 33030 2160 36 432 72 6 1 POS code: : y code:	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. 9 0.15 100.00 ROJECT STAT: 100.00 ROJECT S	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>C</li> <li>SAMP</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT Start stop duration TIME :06:35:00 06:45:00 10 (min DDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Trachurus capensis Tratal DATE: 10/12/94 GEAR TT Start stop duration TIME :08:34:00 08:45:00 11 (min LOG :6921.70 6922.50 0.80 FDEPTH: 16 18 BDEPTH: 87 87 Towing dir: 360° Wire out: Sorted: 2 Kg Total catch: SPECIES Thyrsites atun SPECIES Thyrsites atun SPECIES	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co Cearcon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 14.85 7.30 14.40 4.32 2.22 1488.72 PUrpose Area co Gearcon Validit 150 m Sp 1.70 CATCH/ weight 8.56 0.71	CATC HOUR numbers 140160 1868 4 2100 2 PS code: de : d.code: eed: 31 CATC 77922 33030 2160 366 432 72 72 73030 2160 366 432 72 72 71 POS code: c	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. 9 9.62 3.85 0.97 0.15 100.00 ROJECT STAT: 100.00 ROJECT STAT:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>C</li> <li>SAMP</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT Start stop duration TIME : 06: 35:00 06:45:00 10 (min DEPTH: 10 10 DEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trachurus capensis Trotal DATE: 10/12/94 GEAR TT Start stop duration TIME : 08:34:00 08:45:00 11 (min LOG : 6921.70 69:22.50 0.80 FDEPTH: 15 18 DEPTH: 67 87 Towing dir: 360° Wire out: Sorted: 2 Kg Total catch: SPECIES Thyrsites atun	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co Gearcon validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 1488.72 I488.72 I488.72 I488.72 IFE: PT No: a 1.70 CATCH/ weight 8.56	CATC HOUR numbers 140160 1868 4 2100 2 PS code: de : d.code: eed: 31 CATC 77922 33030 2160 366 432 72 72 73030 2160 366 432 72 72 71 POS code: c	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. 9 0.15 100.00 ROJECT STAT: 100.00 ROJECT S	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>C</li> <li>SAMP</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>
Sorted: 50 Kg Total catch: SPECIES Sardinops ocellatus Etrumeus whiteheadi Engraulis capensis Argyrosomus hololepidotus Trachurus, Juveniles Total DATE: 10/12/94 GEAR TT Start stop duration TIME : 06:35:00 06:45:00 10 (min DDEPTH: 28 28 Towing dir: 360° Wire out: Sorted: 30 Kg Total catch: SPECIES Etrumeus whiteheadi Engraulis capensis Trachurus capensis Trachurus capensis Trachurus capensis Tratal DATE: 10/12/94 GEAR TT Satat stop duration TIME : 08:34:00 08:45:00 11 (min LOG : 6921.70 6922.50 0.80 FDEPTH: 16 18 DDEPTH: 26 18 DDEPTH: 26 18 DEDEPTH: 27 87 Towing dir: 360° Wire out: Sorted: 2 Kg Total catch: SPECIES Thyrsites atun SPECIES Thyrsites atun Sepia sp.	1379.34 CATCH/ weight 5445.00 39.60 12.96 4.40 5517.36 PE: PT No: Purpose Area co Cearcon Validit 100 m Sp 248.12 CATCH/ weight 820.80 446.40 143.28 57.30 14.40 14.85 7.30 14.40 4.32 2.22 1488.72 PUrpose Area co Gearcon Validit 150 m Sp 1.70 CATCH/ weight 8.56 0.71	CATC HOUR numbers 140160 1868 4 2100 2 PS code: de : d.code: eed: 31 CATC 77922 33030 2160 366 432 72 72 73030 2160 366 432 72 72 71 POS code: c	CH/HOUR: 9 • OF TOT. 9 98.69 0.72 0.28 0.23 0.08 100.00 ROJECT STAT: TITION:Lat Long 1 3 kn*10 CH/HOUR: • OF TOT. 9 9.62 3.85 0.97 0.15 100.00 ROJECT STAT: 100.00 ROJECT STAT:	<ul> <li>SAMP</li> <li>2434</li> <li>2437</li> <li>2436</li> <li>2436</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>E</li> <li>1143</li> <li>1488.72</li> <li>C</li> <li>SAMP</li> <li>2439</li> <li>2438</li> <li>2441</li> <li>2440</li> <li>ION: 739</li> <li>S</li> <li>1710</li> <li>E</li> <li>1136</li> <li>9.27</li> </ul>

			ECT STATION	
DATE:10/12/94 GEAR TY start stop duration	PE: PT No:2	POSITIC	N:Lat S Long E	
TIME :13:41:00 14:01:00 20 (min LOG :6970.30 6971.30 1.00	<ul> <li>Purpose co Area code</li> </ul>	ode: 1		
FDEPTH: 0 0	GearCond.	code :		
BDEPTH: 25 34 Towing dir: 287* Wire out:	Validity of 100 m Speed	code: 1: 30 km	•10	
Sort <del>e</del> d: Kg Total catch:	0.25	CATCH/	HOUR:	0.75
SPECIES	CATCH/HO	UR %	DF TOT. C	SAMP
Trachurus capensis, juvenile	weight nu 0.60	mbers 306	80.00	2442
Sepia orbignyana	0.15	30	20.00	
Total	0.75		100.00	
			ECT STATION	
DATE:10/12/94 GEAR TY start stop duration	(PE: PT No:2	POSITI	ON:Lat S Long E	
TIME :17:05:00 17:20:00 15 (min LOC :6999.00 6999.80 0.80	<ul> <li>Purpose c</li> <li>Area code</li> </ul>			
FDEPTH: 10 10 BDEPTH: 28 41	GearCond. Validity	code :		
Towing dir: 262* Wire out:	: 100 m Spee	d: 32 kn	*10	
Sorted: 30 Kg Total catch:	358.56	CATCH/	HOUR: 143	4.24
SPECIES	CATCH/HO weight nu		OF TOT. C	SAMP
Trachurus trecae	1418.40	26544 432	98.90	2443 2444
Etrumeus whiteheadi	15.84	432	1.10	2444
Total	1434.24		100.00	
	YPE: PT No:1		ECT STATION	
start stop duration			Long E	
TIME :18:48:00 19:00:00 12 (mi: LOG :7010.60 7011.30 0.70	Area code	: 3		
FDEPTH: 10 15 BDEPTH: 25 24	GearCond. Validity	code:		
Towing dir: 350° Wire out	: 100 m Spee	d: 31 km	*10	
Sorted: 42 Kg Total catch	: 1051.75	CATCH/		58.75
	a) a a u			<b>G</b> 1 1 <b>G</b> 1
SPECIES	CATCH/HC weight nu	mbers ·	OF TOT. C	
Sardinops ocellatus Etrumeus whiteheadi	4792.50 223.50	50220 18990	91.13 4.25	2445 2446
Engraulis capensis Pomatomus saltatrix	205.50 37.25	13670 25	3.91 0.71	2447
Total	5258.75		100.00	
10011	52000			
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start stop duration TIME :20:44:00 20:54:00 10 (mi LOG :7024.50 7025.10 0.60 PDEPTH: 0 0 BDEPTH: 18 18 Towing dir: 360° Wire out Sorted: 12 Kg Total catch SPECIES Sardinops ocellatus Galeorhinus galeus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Pomatomus saltatrix Total DATE:10/12/94 CEAR 1 Start stop duration TIME :22:42:00 22:53:00 11 (mi LOG :7041.00 7041.60 0.60 FDEPTH: 0 0 BDEETH: 57 42 Towing dir: 280° Wire out Sorted: 75 Kg Total catch SPECIES Sardinops ocellatus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 SPECIES Sardinops ocellatus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 STAT Stop duration TIME :05:28:00 05:43:00 15 (mi LOG :7104.50 7105.40 0.90 FDEPTH: 10 10 BDEETH: 15 15	n) Purpose of Area code GearCond. validity : 100 m Spee 1: 12.45 CATCH/H weight nu 31.32 16.80 12.90 6.60 5.76 1.32 74.70 Purpose Area cod GearCond validity :: 100 m Spet 1: 454.65 CATCH/H weight n 1865.45 505.64 81.00 27.82 2479.91 Purpose Area cod	POSIT: code: 1 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 3 code: 1 code: 3 code: 1 code: 1	LON:Lat S Long E Long E 10 /HOUR: OF TOT. C 41.93 22.49 17.27 8.84 7.71 1.77 100.C1 UECT STATIO ION:Lat S Long E 1.12 100.00 JECT STATIO ION:Lat S Long E	1645 1241 74.70 SAMP 2448 2449 2450 2451 1640 1139 79.91 SAMP 2452 2453 2454 2455 2455 2455 2455 2455
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start stop duration THE 20:44:00 20:54:00 10 (mi LOG :7024.50 7025.10 0.60 PDEPTH: 0 0 BDEPTH: 18 18 Towing dir: 360° Wire out Sorted: 12 Kg Total catch SPECIES Sardinops ocellatus Galeorhinus galeus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Pomatomus saltatrix Total DATE:10/12/94 CEAR 1 Start stop duration TIME :22:42:00 22:53:00 11 (mi LOG :7041.00 7041.60 0.60 FDEPTH: 0 0 BDEETH: 57 42 Towing dir: 280° Wire out Sorted: 75 Kg Total catch SPECIES Sardinops ocellatus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 SPECIES Sardinops ocellatus Trachurus trecas Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 STAT stop duration TIME :05:28:00 05:43:00 15 (mi LOG :7104.50 7105.40 0.90 FDEPTH: 10 10 BDETH: 15 15 Towing dir: 350° Wire out Sorted: 59 Kg Total catch	n) Purpose of Area code GearCond. validity : 100 m Spee 1: 12.45 CATCH/H weight m 31.32 16.80 12.90 6.60 5.76 1.32 74.70 Purpose Area cod GearCond validity :: 100 m Spet 1: 454.65 CATCH/H weight n 1865.45 505.64 B1.00 27.82 2479.91 Purpose Area cod GearCond validity :: 100 m Spet Area cod GearCond N 1865.45 505.64 B1.00 27.82 2479.91	POSIT: code: 1 code: 2 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 1 code: 1 code: 1 code: 1 code: 1 code: 2 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 1 code: 2 code: 2	LON:Lat S Long E Long E Long E 41.93 22.49 17.27 8.84 7.71 1.77 100.01 UECT STATIO ION:Lat S Long E n*10 /HOUR: 24 OF TOT. C 75.22 20.39 3.27 1.12 100.00 JECT STATIO ION:Lat S Long E n*10 /HOUR: 354	1645 1241 74.70 SAMP 2448 2449 2450 2451 1139 79.91 SAMP 2452 2453 2454 2455 2455 2455 2455 2455
start stop duration TIME : 20:44:00 20:54:00 10 (mi LOG :7024.50 7025.10 0.60 PDEPTH: 0 0 BDEPTH: 18 18 Towing dir: 360° Wire out Sorted: 12 Kg Total catch SPECIES Sardinops ocellatus Galeorhinus galeus Trachurus trecae Engraulis capensis Etrumeus whiteheadi Pomatomus saltatrix Total DATE:10/12/94 CEAR 1 Start stop duration TIME :22:42:00 22:53:00 11 (mi LOG :7041.00 7041.60 0.60 FDEPTH: 0 0 BDEPTH: 0 0 BDEPTH: 57 42 Towing dir: 280° Wire out Sorted: 75 Kg Total catch SPECIES Sardinops ocellatus Trachurus trecae Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 SPECIES Sardinops ocellatus Trachurus trecae Engraulis capensis Etrumeus whiteheadi Total DATE:11/12/94 CEAR 1 Start stop duration TIME :05:28:00 05:43:00 15 (mi LOG :7104.50 7105.40 0.90 FDEPTH: 10 10 BDEPTH: 15 15 Towing dir: 350° Wire out Sorted: 59 Kg Total catch	n) Purpose of Area code GearCond. validity : 100 m Spee 1: 12.45 CATCH/H weight m 31.32 16.80 12.90 6.60 5.76 1.32 74.70 Purpose Area cod GearCond validity :: 100 m Spet 1: 454.65 CATCH/H weight n 1865.45 505.64 B1.00 27.82 2479.91 Purpose Area cod GearCond validity :: 100 m Spet Area cod GearCond N 1865.45 505.64 B1.00 27.82 2479.91	POSIT: code: 1 code: 2 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 1 code: 1 code: 1 code: 1 code: 3 code: 2 code: 2 code: 3 code: 1 code: 3 code: 1 code: 3 code: 3	LON:Lat S Long E Long E 10 /HOUR: - OF TOT. C 41.93 22.49 17.27 8.84 7.71 1.77 100.01 DECT STATIO ION:Lat S Long E .22 .29 1.12 100.00 JECT STATIO ION:Lat S Long E .27 1.12 .27 .27 .27 .27 .27 .24 .24 .24 .24 .24 .24 .24 .24	1645 1241 74.70 SAMP 2448 2449 2450 2451 1139 79.91 SAMP 2452 2453 2454 2455 2455 2455 2455 2455
start stop duration TIME : 20:44:00 20:54:00 10 (mi LOG : 7024.50 7025.10 0.60 PDEPTH: 18 18 Towing dir: 360° Wire out Sorted: 12 Kg Total catch SPECIES Sardinops ocellatus Galeorhinus galeus Trachurus trecae Engraulis capensis Errumeus whiteheadi Pomatomus saltatrix Total DATE:10/12/94 GEAR 7 start stop duration TIME :22:42:00 22:53:00 11 (mi LOG :7041.00 7041.60 0.60 PDEPTH: 57 42 Towing dir: 280° Wire out Sorted: 75 Kg Total catch SPECIES Sardinops ocellatus Trachurus trecae Engraulis capensis Errumeus whiteheadi Total DATE:11/12/94 GEAR 7 start stop duration TIME :57 Kg Total catch SPECIES Sardinops ocellatus Trachurus trecae Engraulis capensis Errumeus whiteheadi Total DATE:11/12/94 GEAR 9 Start stop duration TIME :05:28:00 05:43:00 15 (mi LOG :7104.50 7105.40 0.90 PDEPTH: 10 10 EDEPTH: 10 10 EDEPTH: 15 15 Towing dir: 350° Wire out Sorted: 59 Kg Total catch	n) Purpose of Area code GearCond. validity : 100 m Spee 12.45 CATCH/H weight n 31.32 16.80 12.90 6.60 5.76 1.32 74.70 NYPE: PT No:2 Area code GearCond validity :: 100 m Spet 1865.45 505.64 91.00 27.82 2479.91 FYPE: PT No:7 in) Purpose Area code CatCH/H weight n 1865.45 505.64 91.00 27.82 2479.91 FYPE: PT No:7	POSIT: code: 1 code: 2 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 3 code: 1 code: 1 code: 1 code: 1 code: 3 code: 3 code: 3 code: 4 code: 3 code: 1 code: 1 code: 1 code: 3 code: 3	LON:Lat S Long E Long E Long E 10 /HOUR: 0F TOT. C 41.93 22.49 17.27 8.84 7.71 1.77 100.01 JECT STATIO ION:Lat S Long E n*10 /HOUR: 24 OF TOT. C 75.22 20.39 3.27 1.12 100.00 JECT STATIO ION:Lat S Long E n*10 OF TOT. C 75.24 20.39 3.27 1.12 100.00 ION:Lat S Long E n*10 OF TOT. C 75.22 20.39 3.27 1.12 100.00 ION:Lat S Long E N*10 OF TOT. C 97.45	1645 1141 74.70 SAMP 2448 2449 2450 2451 1139 79.91 SAMP 2452 2453 2455 SAMP 2455 2455 2455 2455 2455 2455 2455

DATE:11/12/94 GEAR TY	PE: PT No:6	POSITI	ECT STATIO	1628
start stop duration TIME :11:17:00 11:38:00 21 (min)	) Purpose c	ode: 1	Long E	1143
LOG :7158.40 7159.50 1.10				
FDEPTH: 0 0 BDEPTH: 56 48	GearCond. Validity of			
Towing dir: 118* Wire out:			*10	
Sorted: 3 Kg Total catch:	2.68	CATCH	HOUR:	7.66
SPECIES	CATCH/HO	172 8	OF TOT. C	SAMP
5F2C125	weight nu		<i>of</i> 101. C	SHUT
Sarda sarda	7.66	6	100.00	2458
Total	7.66		100.00	
			ECT STATIO	
DATE:11/12/94 GEAR TY start stop duration	PE: PT No:2	POSIT	LON:Lat. S	
TIME :13:24:00 13:44:00 20 (min)	) Purpose co	ode: 1		
LOG :7204.40 7205.40 1.00 FDEPTH: 10 10	Area code GearCond.			
BDEPTH: 22 42	Validity (	code:		
Towing dir: 294° Wire out:	100 m Speed	1: 31 kr	*10	
Sorted: 102 Kg Total catch:	101.58	CATCH	HOUR: 3	04.74
SPECIES	CATCH/HO	UR *	OF TOT. C	SAMP
	weight nu	mbers		
Sardinella aurita Sphyrna lewini	147.75 120.00	324 6	48.48 39.38	2459
Sarda sarda	9.78	6	3.21	2462
Myliobatis aquila	9.00	12	2.95	
Sardinella maderensis Alectis alexandrinus	8.61 2.52	21 3	2.83 0.83	2460
Todarodes sagittatus	2.52	6	0.83	
Decapterus rhonchus Pomatomus saltatrix	2.07 1.41	9 3	0.68 0.46	2461
Lithognathus mormyrus	1.08	6	0.35	
Total	304.74		100.00	
10001	204.14		100.00	
	) Purpose c	ode: 1	-	1144
LOG :7226.C0 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40	Area code GearCond. Validity	: 3 code: code:	*10	
LOG :7226.C0 7227.80 1.80 FOEFN: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out:	Area code GearCond. Validity 130 m Speed	: 3 code: code: d: 23 ki		
LOG :7226.C0 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40	Area code GearCond. Validity 130 m Speed	: 3 code: code: d: 23 ki		206.10
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 EDEPTH: 41 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch:	Area code GearCond. Validity 130 m Spee 96.18	: 3 code: code: d: 23 ki CATCH,	HOUR: 2	206.10
LOG :7226.00 7227.80 1.80 FDEPTH: 15 1.5 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch:	Area code GearCond. Validity 130 m Speed 96.18 CATCH/HO weight nu	: 3 code: code: d: 23 ki CATCH, UR mbers	/HOUR: 2 OF TOT. C	
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67	: 3 code: code: d: 23 ki CATCH, UR & mbers 315	/HOUR: 2 OF TOT. C 50.30	906.10 Samp 2463
LOG :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda	Area code GearCond. Validity 130 m Speed 96.18 CATCH/HO weight nu 103.67 75.72 15.73	: 3 code: code: d: 23 ki CATCH, UR mbers	/HOUR: 2 OF TOT. C 50.30 36.73 7.63	906.10 Samp
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae	Area code GearCond. Validity 130 m Speed 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91	: 3 code: code: d: 23 ki CATCH, UR % mbers 315 197 11 39	/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32	206.10 Samp 2463 2464
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachinotus ovatus	Area code GearCond. Validity 130 m Speed 96.18 CATCH/HO weight nu 103.67 75.72 15.73	: 3 code: code: d: 23 ki CATCH, UR 315 197 11	/HOUR: 2 OF TOT. C 50.30 36.73 7.63	206.10 Samp 2463 2464
LOG :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 6.00	: 3 code: code: d: 23 kn CATCH, UR % mbers 315 197 11 39 9	<pre>/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32 1.01</pre>	206.10 Samp 2463 2464
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus	Area code GearCond. Validity 130 m Speed 96.18 CATCH/HO weight nu 103.67 75.71 15.73 8.91 2.08	: 3 code: code: d: 23 kn CATCH, UR % mbers 315 197 11 39 9	/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32	206.10 Samp 2463 2464
LOG :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 6.00	: 3 code: code: d: 23 kn CATCH, UR % mbers 315 197 11 39 9	<pre>/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32 1.01</pre>	206.10 Samp 2463 2464
LOG :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus Total	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10	: 3 code: code: code: CATCH, CATCH, UR % mbers 315 197 11 39 9 2 2	<pre>/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32 1.01</pre>	206.10 SAMP 2463 2464 2465
LOG :7226.00 7227.80 1.80 FOEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 6.00	: 3 code: code: code: CATCH, CATCH, UR % mbers 315 197 11 39 9 2 2	<pre>/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32 1.01</pre>	206.10 SAMP 2463 2464 2465 2465 N: 749 5 1629
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sarda sarda Trachurus trecae Trachinotus ovatus Total DATE:11/12/94 GEAR TY Start stop duration TIME :21:07:00 21:18:00 11 (min	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7	: 3 code: code: d: 23 kn CATCH, UR \$ mbers 315 197 11 39 9 2 2 PRO. POSIT	<pre>/HOUR: 2 OF TOT. C</pre>	206.10 SAMP 2463 2464 2465 2465 N: 749 5 1629
LOG :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code	: 3 code: code: d: 23 kn CATCH, UR % mbers 315 197 197 2 2 2 PRO. FOSIT code: 1 : 3	<pre>/HOUR: 2 OF TOT. C 50.30 36.73 7.63 4.32 1.01</pre>	206.10 SAMP 2463 2464 2465 2465 N: 749 5 1629
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Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration THE :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 10 10 Towing dir: 360* Wire out:	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 : 3 code: d: 31 kr	<pre>/HOUR: 2 OF TOT. C</pre>	206.10 SAMP 2463 2464 2465 2465 9N: 749 1629 2 1146
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Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEFTH: 10 10 Towing dir: 360° Wire out: Sorted: 65 Kg Total catch: SPECIES	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 code: code: code: code: code: d: 31 kr CATCH, UR %	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2464 2465 2465 2465 2465 2465 2465 2465
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Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sarda sarda Trachinotus ovatus Isurus oxyrinchus Total DATE:11/12/94 GEAR TY Start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 10 0 BDEPTH: 10 10 TOWING dir: 360* Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Sardinops ocellatus Trachurus saltatrix	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 211.15 122.95	: 3 code: code: d: 23 ki CATCH, UR % 315 197 11 39 9 2 2 PRO. FOSIT code: 1 code: 1 code: 1 code: 1 code: 3 code: 4 catch UR % catch catch catch code catch catch code catch catch code catch code catch catch code catch catch code catch catch catch code catch catch code catch catch code catch catch code catch catch code catch catch code catch catch code catch code catch catch catch catch code catch catch code catch catch catch code catch catc	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 21146 2297.74 5AMP 2467
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Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360° Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Sarda sarda Sarda sarda Sarda sarda Sarda sarda Sardinella maderensis MTLIOBATIDAE Thyrsites atun	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 211.15 122.95 7.16 58.80 18.22 2.84	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: code: 2405 2405 2405 2405 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467
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Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360" Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY start stop duration TME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360" Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 211.15 122.95 72.16 58.80 18.22 2.84	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 21146 2297.74 5AMP 2467
Loc :7226.00 7227.80 1.80 FOEFN: 15 15 BDEPTH: 41 40 Towing dir: 360" Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardia sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration TME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360" Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 21146 2297.74 5AMP 2467
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Loc :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardia sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration THE :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360* Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467
Loc :7226.00 7227.80 1.80 FOEFN: 15 15 BDEPTH: 41 40 Towing dir: 360" Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardia sarda Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY Start stop duration TME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360" Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360° Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY start stop duration Total DATE:11/12/94 GEAR TY start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360° Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360" Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY start stop duration Total DATE:11/12/94 GEAR TY start stop duration Total DATE:11/12/94 GEAR TY start stop duration TIME :21:07:00 21:18:00 11 (min LOG :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPETH: 0 10 Towing dir: 360" Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467
Log :7226.00 7227.80 1.80 FDEPTH: 15 15 BDEPTH: 41 40 Towing dir: 360* Wire out: Sorted: 67 Kg Total catch: SPECIES Sardinella maderensis Sardinella aurita Sarda sarda Trachurus trecae Trachurus trecae Trachinotus ovatus Isurus oxyrinchus DATE:11/12/94 GEAR TY start stop duration Total DATE:11/12/94 GEAR TY start stop duration TIME :21:07:00 111 (min Log :7239.70 7240.30 0.60 FDEPTH: 0 0 BDEPTH: 0 10 Towing dir: 360* Wire out: Sorted: 65 Kg Total catch: SPECIES Sardinops ocellatus Trachurus trecae Pomatomus saltatrix Sarda sarda Sardinella maderensis MYLIOBATIDAE Thyrsites atun Stromateus fiatola	Area code GearCond. Validity 130 m Spee 96.18 CATCH/HO weight nu 103.67 75.72 15.73 8.91 2.08 0.00 206.10 PE: PT No:7 ) Purpose c Area code GearCond. Validity 100 m Spee 2987.92 CATCH/HO weight nu 15809.18 1 1211.15 122.95 72.16 58.80 18.22 2.84 2.45	: 3 code: code: d: 23 kr CATCH, mbers 315 197 11 39 9 2 2 PRO. FOSIT ode: 1 2 code: code: code: code: code: 13024 2405 2405 2407 267 267 267 16 5	<pre>/HOUR: 2 OF TOT. C</pre>	2463 2463 2465 2465 2465 2465 2465 2465 21146 2297.74 SAME 2467

DATE: 12/12/94 GEAR T	YPE: PT No:2		ECT STATIO ON:Lat S	
start stop duration				1145
LOG :7305.50 7306.10 0.60	Area cod			
FDEPTH: 10 10 BDEPTH: 33 39	GearCond Validity			
	: 100 m Spee	ad: 32 km	*10	
Sorted: 54 Kg Total catch	: 54.43	CATCH/	HOUR: 3	26.58
SPECIES	CATCH/H weight n	DUR 🚺	OF TOT. C	SAMP
Trachurus trecae	131.10	1458	40.14	2469
Trachurus, Juveniles Spondyliosoma cantharus	57.90 26.34	12486 36	17.73 8.07	2470
Lithognathus mormyrus	22.44	114	6.87	2474
Pagellus bellottii Sardinops ocellatus	17.28 15.30	258 48	5.29 4.68	2475 2471
Mustelus mustelus Dasyatis marmorata	13.80 13.20	6 5	4.23	
Pomatomus saltatrix	6.30	12	1.93	
Sepia sp. Galeichthys feliceps	4.74 3.06	18 5	1.45	
Atractoscion aequidens	2.58	5	0.79	
Etrumeus whiteheadi Decapterus rhonchus	2.34 2.16	60 6	0.72	2473
Sphyraena guachancho	1.98	6	0.61	
Myliobatis aquila Todarod <del>e</del> s sagittatus	1.80 1.50	6 162	0.55 0.46	
Engraulis capensis Rhabdosargus globiceps	1.20 1.08	168 6	0.37	2472
Trigla lyra	0.48	18	0.15	
Total	326.58		100.01	
			ECT STATIO	N. 753
	YPE: PT No:2		ON:Lat S	1609
start stop duration TIME :09:31:00 09:51:00 20 (mi	n) Purpose	code: 1	Long E	1145
LOG :7360.70 7361.70 1.00	Area cod	e:3		
FDEPTH: 10 10 BDEPTH: 35 36	GearCond Validity			
Towing dir: 360° Wire out	: 100 m Spe	ed: 30 kn	*10	
Sorted: 19 Kg Total catch	19.29	CATCH/	HOUR:	57.87
SPECIES	CATCH/H	OUR 1	OF TOT. C	SAMP
	weight n	umbers		5477
Sardinella aurita Trachurus trecae	21.39 18.45	51 210	36.96 31.88	2477 2476
MYLIOBATIDAE Stromateus fiatola	11.13	6	19.23	
		6	6 33	
Pomatomus saltatrix	3.66 2.67	6 6	6.32 4.61	
Pomatomus saltatrix Lithognathus mormyrus	2.67 0.54	6 3	6.32 4.61 C.93	
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus	2.67 0.54 0.03	6	6.32 4.61 C.93 C.05	
Pomatomus saltatrix Lithognathus mormyrus	2.67 0.54	6 3	6.32 4.61 C.93	
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus	2.67 0.54 0.03	6 3 3	6.32 4.61 C.93 0.05 99.98	
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5	2.67 0.54 0.03	6 3 3 PROJ	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S	1559
Pomatomus saltatrix Lithognathus morputs Centex macrophthalmus Total DATE: 12/12/94 GEAR 3 start stop duration	2.67 0.54 0.03 57.87	6 3 3 PROJ POSITI	6.32 4.61 C.93 C.05 99.98 ECT STATIO	1559
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 3 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.30 0.70	2.67 0.54 0.03 57.87 EXPE: PT No:2 .n) Purpose Area cod	6 3 3 PROJ POSITI code: 1 te : 3	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S	1559
Pomatomus saltatrix Lithognathus morputs Dentex macrophthalmus Total DATE:12/12/94 GEAR ( start stop duration TIME :22:02:00 16 (m)	2.67 0.54 0.03 57.87 CYPE: PT No:2 .n) Purpose Area cod GearCond	6 3 3 PROJ : POSITI code: 1 i.e : 3 :.code:	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S	1559
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME 122.02:00 22:18:00 16 (mt LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27	2.67 0.54 0.03 57.87 EXPE: PT No:2 .n) Purpose Area cod	6 3 3 PROJ POSITI code: 1 ie : 3 i.code:	6.32 4.61 0.93 0.05 99.98 ECT STATIO ON:Lat S Long E	1559
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME 12202000 22:18:00 16 (mt LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BOEPTH: 25 27	2.67 0.54 0.03 57.87 YYPE: PT No:2 n) Purpose Area cod Gearcond Validity :: 100 m Spe	6 3 3 PROJ POSITI code: 1 ie : 3 i.code:	6.32 4.61 0.93 0.05 99.98 ECT STATIO ON:Lat S Long E	1559
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME 122:02:00 22:18:00 16 (mu LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BOEFTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catch	2.67 0.54 0.03 57.87 YYPE: PT No:2 .n) Purpose Area cod GearCond Validity :: 100 m Spe h: 13.03	6 3 3 PROJ POSITI code: 1 te : 3 t.code: 2 code: 4 code: 31 kn cATCH/	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 'HOUR:	: 1559 : 1143 48.86
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 1 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FODEPTH: 0 00 BDEPTH: 25 27 Toving dir: 174* Wire out	2.67 0.54 0.03 57.87 YYPE: PT No:2 n) Purpose Area cod Gearcond Validity :: 100 m Spe	6 3 3 PROJ POSITI code: 1 te : 3 t.code: code: ed: 31 kn CATCH/ NOUR <b>t</b> uumbers	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: OF TOT. C	: 1559 : 1143
Pomatomus saltatrix Litbognathus morputs Dentex macrophthalmus Total DATE:12/12/94 GEAR ( start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FODETH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe h: 13.03 CATCH/H weight m 35.44	6 3 3 PROJ POSITI code: 1 ed: 3 k.code: code: ed: 31 kn CATCH/ OUR \$	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53	: 1559 : 1143 48.86
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 12:18:00 16 (m LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BODEFTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES	2.67 0.54 0.03 57.87 YPE: PT No:2 n) Purpose Area cod validity :: 100 m Spe h: 13.03 CATCH/H weight m	6 3 3 PROJ POSITI code: 1 te : 3 t.code: code: ed: 31 kn CATCH/ NOUR <b>t</b> uumbers	6.52 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: OF TOT. C	: 1559 : 1143 48.86 SAMP
Pomatomus saltatrix Lithognathus mormyrus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 12:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEPTH: 0 25 27 Doving dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachurus trecae Trachurus ovatus	2.67 0.54 0.03 57.87 YYPE: PT No:2 INP Purpose Area cod GearCond Validity I: 100 m Spe A: 13.03 CATCH/H weight m 35.44 8.93	6 3 3 PROJ POSITI code: 1 te : 3 t.code: 2 code: 4 code: 31 kn CATCH/ OUR 1 unbers 405 38	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F +10 HOUR: 0F TOT. C 72.53 18.28	: 1559 : 1143 48.86 SAMP 2478
Pomatomus saltatrix Lithognathus morphus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27 Towing dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita	2.67 0.54 0.03 57.87 YYPE: PT No:2 Ares cod GearCond Validity :: 100 m Spe 1: 13.03 CATCH/H weight m 35.44 8.93 4.50	6 3 3 PROJ POSITI code: 1 te : 3 t.code: 2 code: 4 code: 31 kn CATCH/ OUR 1 unbers 405 38	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F HOUR: OF TOT. C 72.53 18.28 9.21	: 1559 : 1143 48.86 SAMP 2478
Pomatomus saltatrix Lithognathus morphus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27 Towing dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita	2.67 0.54 0.03 57.87 YYPE: PT No:2 n) Purpose Ares cod GearCond Validity :: 100 m Spe 1: 13.03 CATCH/H weight m 35.44 8.93 4.50	6 3 3 PROJ POSITI code: 1 te : 3 .code: 2 code: 4 code: 4 CATCH/ NOUR 4 15	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02	: 1559 : 1143 48.86 SAMP 2478 2479
Pomatomus saltatrix Lithognathus morphus Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FODEPTH: 0 0 BDEPTH: 25 27 Towing dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod Gearcond Validity 13.03 CATCH/H weight n 35.44 8.93 4.50 48.87	6 3 PROJ POSITI code: 1 te : 3 .code: 2 code: 31 kn CATCH/ toUR 1 38 15	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 ECT STATIO	: 1559 : 1143 48.86 SAMP 2478 2479 2479
Pomatomus saltatrix Lithognathus morputs Dentex macrophthalmus Total DATE:12/12/94 GEAR 5 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FODEPTH: 0 0 BDEPTH: 25 27 Towing dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 5	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity :: 100 m Spe 13.03 CATCH/H weight m 35.44 8.93 4.50 48.87	6 3 3 PROJ POSITI code: 1 e : 3 .code: 2 code: 4 code: 3 code: 4 code: 3 code: 3 code: 4 code: 5 code: 4 code: 4 code: 5 code:	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 ECT STATIO	: 1559 : 1143 48.86 SAMP 2478 2479 2479 NN: 753 : 1611
Pomatomus saltatrix         Litbognathus morputs         DatE: 12/12/94         GEAR:         start stop duration         TIME: 22:02:00 22:18:00 16 (m)         LOG: 7490.20 7490.90 0.70         FODEPTH: 0 0         BDEPTH: 25 27         Towing dir: 174* Wire out         Sorted: 13 Kg         Total         DATE: 12/12/94         CEES         Trachurus trecae         Trachinotus ovatus         Sardinella aurita         Total         DATE: 12/12/94       CEAR :         CEAR :         Start stop duration         TIME : 23:40:00 24:00:00 20 (m)         LOG : 7502.90 7504.30 1.40	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity: 100 m Spe 13.03 CATCH/H weight m 15.44 8.93 4.50 48.87 YYPE: PT No:2	6 3 3 PROJ POSITI code: 1 e : 3 .code: 2 code: 2 do5 38 15 PROJ PROJ PROJ 2 PRO	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIO ON:Lat S	: 1559 : 1143 48.86 SAMP 2478 2479 2479 NN: 753 : 1611
Pomatomus saltatrix Lithognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TIME : 22:02:00 22:18:00 16 (m LGG : 7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachinotus trecae Trachinotus ovatus Sardinella aurita Total DATE: 12/12/94 GEAR : start stop duration TIME : 23:40:00 24:00:00 20 (m LGG : 7592.90 7504.30 1.40 FDEPTH: 0 0	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe h: 13.03 CATCH/H weight m 35.44 8.93 4.50 48.87 FYPE: PT No:2	6 3 3 PROJ POSITI code: 1 e : 3 i.code: 2 code: 1 ed: 31 km CATCH/ IOUR 1 00CR 1 S 15 25 26 20 27 20 20 20 20 20 20 20 20 20 20 20 20 20	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIO ON:Lat S	: 1559 : 1143 48.86 SAMP 2478 2479 2479 NN: 753 : 1611
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR 1 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEFTH: 0 0 BDEFTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 1 start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEFTH: 0 0 BDEFTH: 3 32	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity: 100 m Spe 13.03 CATCH/H weight m 15.44 8.93 4.50 48.87 YYPE: PT No:2	6 3 3 PROJ POSITI code: 1 te : 3 code: 1 code: 1 code: 1 code: 1 code: 1 code: 3 NUMBERS 405 38 15 PROJ CATCH/ CATCH/ CATCH/ CATCH/ CATCH/ 15 PROJ CATCH/ CA	6.32 4.6 4.6 5.9 99.98 ECT STATIO NON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIC ION:Lat S Long E	: 1559 : 1143 48.86 SAMP 2478 2479 2479 NN: 753 : 1611
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR 1 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEFTH: 0 0 BDEFTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 1 start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEFTH: 0 0 BDEFTH: 3 32	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe Area cod GearCond Validity : 100 m Spe Area cod GearCond Validity : 100 m Spe : 100 m Spe	6 3 3 PROJ POSITI code: 1 te : 3 .code: 1 code: 4 CATCH/ OUR CATCH/ OUR POSITI code: 1 PROJ PROJ CATCH/ 15 PROJ CATCH/ CATCH/ 15 PROJ CATCH/	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIC ON:Lat S Long E	: 1559 : 1143 48.86 SAMP 2478 2479 2479 NN: 753 : 1611
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR: start stop duration TIME :22:02:00 22:18:00 16 (m LOG :750.20 7490.90 0.70 FODETH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR: Start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 32 Toving dir: 180* Wire out	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe Area cod GearCond Validity : 100 m Spe Area cod GearCond Validity : 100 m Spe : 100 m Spe	6 3 3 PROJ POSITI code: 1 te : 3 .code: 1 code: 4 CATCH/ OUR CATCH/ OUR POSITI code: 1 PROJ PROJ CATCH/ 15 PROJ CATCH/ CATCH/ 15 PROJ CATCH/	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIC ON:Lat S Long E	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>51611</li> <li>1145</li> </ul>
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR: start stop duration TIME :22:02:00 22:18:00 16 (m LOG :750.20 7490.90 0.70 FODETH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR: Start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 32 Toving dir: 180* Wire out	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity :: 100 m Spe h: 13.03 CATCH/H Weight n 35.44 8.93 4.50 7 YYPE: PT No:2 (in) Purpose Area cod GearCond Validity :: 100 m Spe h: 69.10 CATCH/H	6 3 3 PROJ POSITI code: 1 code: 1 code: 2 code: 31 kn CATCH/ PROJ PROJ PROJ PROJ 2 PROJ	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: OF TOT. C 72.53 18.28 9.21 100.02 ECT STATIC ON:Lat S Long E	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>51611</li> <li>1145</li> </ul>
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 CEAR : start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FODETH: 0 0 BDEFTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 CEAR : start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEFTH: 0 0 BDEFTH: 3 32 Toving dir: 180* Wire out Sorted: 11 Kg Total catol	2.67 0.54 0.03 57.87 TYPE: PT No:2 Area cod GearCond Validity: 13.03 CATCH/H weight m 35.44 8.93 4.50 48.87 FYPE: PT No:2 FYPE: PT No:2 (Area cod Catch/H Weight m 15.44 8.93 4.50 48.87 (Area cod Catch/H Weight m 15.44 8.93 4.50 69.10	6 3 3 PROJ POSITI code: 1 code: 1 code: 2 code: 31 kn CATCH/ PROJ PROJ PROJ PROJ 2 PROJ	6.32 4.61 2.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.26 9.21 100.02 ECT STATIO ON:Lat S Long E	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <l< td=""></l<></ul>
Pomatomus saltatrix Lithognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TIME : 22:02:00 22:18:00 16 (m LOG : 7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE: 12/12/94 GEAR : Start stop duration TIME : 23:40:00 24:00:00 20 (m LOG : 7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 12 Toving dir: 180° Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus trecae Trachurus trecae Trachurus, Juveniles	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe 13.03 CATCH/H weight m 35.44 8.93 4.50 48.67 YYPE: PT No:2 (n) Purpose Area cod GearCond Validity : 100 m Spe Area cod GearCond Spector (Validity (Validity)	6 3 3 PROJ POSITI code: 1 te : 3 .code: 1 code: 4 CATCH/ OUR POSITI CATCH/ 15 PROJ CATCH/ CAT	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 ECT STATIO CON:Lat S 10.28 19.29 100.02 FOT. C CON:Lat S 2.53 19.29 CON:Lat S 2.53 10.00 CON:Lat S 2.53 2.53 2.53 2.53 2.53 2.53 2.53 2.53	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <l< td=""></l<></ul>
Pomatomus saltatrix Lithognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TIME : 22:02:00 22:18:00 16 (m LOG : 7490.20 7490.90 0.70 FDEPTH: 0 27 DOWING dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE: 12/12/94 GEAR : Total DATE: 12/12/94 GEAR : Total DATE: 12/12/94 GEAR : Total DATE: 12/12/94 GEAR : Sardinella aurita Total DATE: 12/12/94 GEAR : Sardinella durita Total DATE: 12/12/94 GEAR : Sardinella durita Total SPECIES Towing dir: 180° Wire out Sorted: 11 Kg Total catch SPECIES Trachurus trecae	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity 13.03 CATCH/H Weight n 35.44 8.93 4.50 48.87 FYPE: PT No:2 in) Purpose Area cod GearCond Validity :: 100 m Spe Area cod CATCH/H	6 3 3 PROJ POSITI code: 1 icode: 2 icode: 3 icode: 3 icode: 405 38 15 PROJ icode: 405 38 15 PROJ code: 1 icode: 2 code:	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.26 9.21 100.02 ECT STATIC ON:Lat S Long E *10 FOT. C CF TOT. C 82.56 5.27 4.31 2.42	: 1559 : 1143 48.86 SAMP 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2478 2479 24788 24788 24788 24788 24788 24788 24788
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR 1 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 1 Start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 32 Towing dir: 180* Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus treca	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity: 100 m Spe 13.03 CATCH/H weight n 15.44 8.93 4.50 48.87 YYPE: PT No:2 (a) CATCH/H weight n Area cod GearCond Validity: 100 m Spe Area cod GearCond Validity 11.15 10.92 8.94 5.01 2.28	6 3 3 PROJ POSITI code: 1 te : 3 code: 2 code: 1 code: 31 code: 31 kn CATCH/ NUR PROJ PROJ CATCH/ to CATCH/ to CA	6.32 4.61 2.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 FECT STATIC ON:Lat S Long F *10 (HOUR: 2 CF TOT. C 82.56 5.27 4.31 2.42 1.10	: 1559 : 1143 48.86 SAMP 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2478 2479 24788 24788 24788 24788 24788 24788 24788
Pomatomus saltatrix Litbognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TIME : 22:02:00 22:18:00 16 (m LOG : 7390.20 7490.90 0.70 FOEPTH: 0 0 BOEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE: 12/12/94 GEAR : Start stop duration TIME : 23:40:00 24:00:00 20 (m LOG : 7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 0 0 BDEPTH: 3 322 Toving dir: 180° Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus, Juveniles Sardinops ocellatus Sepia Sp. Scomberomorus tritor Trachinotus ovatus Sepia Sp.	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe 1: 13.03 CATCH/H weight n 13.5.44 8.93 4.50 48.67 YYPE: PT No:2 in) Purpose Area cod GearCond Validity :: 100 m Spe Area cod GearCond Validity :: 100 m Spe 1.65 10.92 8.94 5.01 2.28	6 3 3 PROJ POSITI code: 1 te : 3 .code: 1 code: 1 code: 1 code: 1 CATCH/ NUTR 4 15 PROJ POSITI code: 1 te : 3 15 PROJ 28 28 20 28 28 28 28 28 28 28 29 29 20 20 20 20 20 20 20 20 20 20	6.32 4.61 2.93 0.05 99.98 ECT STATIO 0N:Lat S Long E *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 ECT STATIO 100.02 ECT STATIO 100.02 ECT STATIO CON:Lat S Long E CT STATIO CON:C C 82.56 5.25 4.31 2.42 1.00 0.94 0.94	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>1611</li> <li>1145</li> <li>207.30</li> <li>SAMP</li> <li>2481</li> <li>2480</li> </ul>
Pomatomus saltatrix Lithognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TTME : 22:02:00 22:18:00 16 (m LOG : 7490.20 7490.90 0.70 FDEPTH: 0 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catch SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita TOTAL DATE: 12/12/94 GEAR : start stop duration TIME : 23:40:00 24:00:00 20 (m LOG : 7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 33 32 Towing dir: 180° Wire out Sorted: 11 Kg Total catch SPECIES Trachurus trecae Trachurus Juveniles Sepia sp. Scomberomorus tritor Trachinotus ovatus Sepiella ornata	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe A: 13.03 CATCH/H weight n 35.44 8.93 4.50 48.67 FYPE: PT No:2 A: 69.10 CATCH/H weight n 35.44 8.93 4.50 CATCH/H weight n 35.44 8.93 4.50 CATCH/H weight n 171.15 10.92 8.94 5.01 2.28 1.83 1.29	6 3 3 PROJ POSITI code: 1 e : 3 i.code: 2 code: 4 code: 4 code: 31 km CATCH/ IOUR 1 PROJ PROJ PROJ PROJ CATCH/ ILCODE: 1 te : 3 i.code: 2 PROJ PROJ CATCH/ ILCODE: 1 code: 4 PROJ CATCH/ ILCODE: 2 PROJ CATCH/ ILCODE: 2 PROJ CATCH/ ILCODE: 1 CATCH/ ILCODE: 2 PROJ CATCH/ ILCODE: 3 PROJ CATCH/ ILCODE: 3 PROJ CATCH/ ILCODE: 3 PROJ CATCH/ ILCODE: 3 PROJ CATCH/ ILCODE: 3 PROJ CATCH/ S CATCH/ S CATCH/ S S S S S S S S S S S S S	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 FECT STATIC CON:Lat S Long F CON:Lat S Long S Long S Long S Long F C S Long S Long S	: 1559 : 1143 48.86 SAMP 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2479 2478 2479 2478 2479 2478 2478 2479 2478 2478 2479 24788 24788 24788 24788 24788 24788 24788
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 CEAR : start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 CEAR : Start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 32 Towing dir: 180* Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus tritor Trachinotus ovatus Sepia sp. Scomberomorus tritor Trachinotus autatrix Sardi sarda	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe h: 13.03 CATCH/H weight n 15.44 8.93 4.50 48.87 YYPE: PT No:2 in) Purpose Area cod GearCond Validity : 100 m Spe h: 69.10 CATCH/: weight r 171.15 10.92 9.94 5.01 2.28 1.95 1.20 0.96	6 3 3 PROJ POSITI code: 1 e : 3 .code: code	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:LAt S Long F *10 HOUR: 0F TOT. C 72.53 18.26 9.21 100.02 FECT STATIC ON:LAT S Long F *10 FOUR: COP TOT. C 82.56 5.27 4.10 CP TOT. C	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>1611</li> <li>1145</li> <li>207.30</li> <li>SAMP</li> <li>2481</li> <li>2480</li> </ul>
Pomatomus saltatrix Litbognathus morpus Centex macrophthalmus Total DATE: 12/12/94 GEAR : start stop duration TIME : 22:02:00 22:18:00 16 (mi LGG : 7490.20 7490.90 0.70 FDEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE: 12/12/94 GEAR : start stop duration TIME : 23:40:00 24:00:00 20 (mi LGG : 7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 33 32 Towing dir: 180° Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus subtenedi Sepia sp. Scomberomorus tritor Trachinus ovatus Sepiella ornata Erumeus whiteheadi Promatomus saltatrix Sarda sarda Atractoscion aequidens	2.67 0.54 0.03 57.87 YYPE: PT No:2 Area cod GearCond Validity : 100 m Spe h: 13.03 CATCH/H weight n 35.44 8.93 4.50 48.87 YYPE: PT No:2 (n) Purpose Area cod GearCond Validity : 100 m Spe h: 69.10 CATCH/H weight n 171.15 10.92 8.94 5.01 2.28 1.95 1.29 1.20	6 3 3 PROJ POSITI code: 1 icode: 2 icode: 31 km CATCH/ NUMPERS 405 38 15 PROJ CATCH/ icode: 1 icode: 1 icode: 32 km code: 33 km c	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 ECT STATIC ON:Lat S Long F *10 FOT. C CF TOT. C 82.56 5.27 4.31 2.42 1.10 CF TOT. C	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>1611</li> <li>1145</li> <li>207.30</li> <li>SAMP</li> <li>2481</li> <li>2480</li> </ul>
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 CEAR : start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catcl SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 CEAR : Start stop duration TIME :23:40:00 24:00:00 20 (m LOG :7502.90 7504.30 1.40 FDEPTH: 0 0 BDEPTH: 3 32 Towing dir: 180* Wire out Sorted: 11 Kg Total catcl SPECIES Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus tritor Trachinotus ovatus Sepia sp. Scomberomorus tritor Trachinotus autatrix Sardi sarda	2.67 0.54 0.03 57.87 YYPE: PT No:2 Ares cod GearCond Validity :: 100 m Spe 1: 13.03 CATCH/H weight m 35.44 8.93 4.50 48.87 YYPE: PT No:2 (in) Purpose Area cod GearCond Validity :: 100 m Spe 0: 69.10 CATCH/H weight r 171.15 10.92 8.94 5.01 2.28 1.95 1.83 1.29 1.29 1.29 1.29 1.29 1.29 1.29 1.29	6 3 3 PROJ POSITI code: 1 e : 3 .code: code	6.32 4.61 C.93 0.05 99.98 ECT STATIO ON:LAt S Long F *10 HOUR: 0F TOT. C 72.53 18.26 9.21 100.02 FECT STATIC ON:LAT S Long F *10 FOUR: COP TOT. C 82.56 5.27 4.10 CP TOT. C	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2481</li> <li>2481</li> <li>2482</li> </ul>
Pomatomus saltatrix Litbognathus morpus Dentex macrophthalmus Total DATE:12/12/94 GEAR 1 start stop duration TIME :22:02:00 22:18:00 16 (m LOG :7490.20 7490.90 0.70 FOEPTH: 0 0 BDEPTH: 25 27 Toving dir: 174* Wire out Sorted: 13 Kg Total catol SPECIES Trachurus trecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 1 STACHT Strecae Trachinotus ovatus Sardinella aurita Total DATE:12/12/94 GEAR 1 SPECIES Trachurus trecae Trachurus trecae 1 SPECIES Trachurus trecae 1 Sorted: 11 Kg Total catol SPECIES Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus trecae Trachurus Juveniles Sardinops ocellatus Sepia sp. Soomberomorus tritor Trachinotus ovatus Sepia sarda Atractoscion aequidens Engraulis capensis	2.67 0.54 0.03 57.87 TYPE: PT No:2 Area cod GearCond Validity 13.03 CATCH/H weight n 13.03 CATCH/H weight n 13.03 CATCH/H weight n 13.03 CATCH/H weight n 13.03 CATCH/H Weight n 13.03 CATCH/H Weight n 13.03 CATCH/H 1.55.44 8.93 4.50 5.12 4.50 5.12 5.01 5	6 3 3 PROJ POSITI code: 1 te : 3 .code: 1 code: 2 code: 3 code: 4 code: 4	6.32 4.61 2.93 0.05 99.98 ECT STATIO ON:Lat S Long F *10 HOUR: 0F TOT. C 72.53 18.28 9.21 100.02 FECT STATIC ON:Lat S Long F *10 (HOUR: 2 CF TOT. C 82.56 5.27 4.31 2.42 1.10 0.94 0.94 0.94 0.94 0.94 0.94 0.94 0.9	<ul> <li>1559</li> <li>1143</li> <li>48.86</li> <li>SAMP</li> <li>2478</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2479</li> <li>2481</li> <li>2481</li> <li>2482</li> </ul>

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DATE: 13/12/94 GEAR TY	PE: ET No:2	PROJECT STATION: 754 POSITION:Lat S 1651
start stop duration TIME :11:18:00 11:38:00 20 (min		Long E 1145
LOG :7619.30 7620.30 1.00	Area code	: 3
BDEPTH: 11 9	GearCond.com Validity com	de:
	150 m Speed:	
Sorted: 37 Kg Total catch:	2606.87	CATCH/HOUR: 7820.61
SPECIES	CATCH/HOUR	
Engraulis capensis	weight numb 2649.63 143	379 33.88 2487
Trachurus trecae Etrumeus whiteheadi	1529.79 58	194 24.29 2485 392 19.56 2486
Diplodus sargus capensis Galeichthys feliceps		400 9.84 2484 797 4.22
HEXANCHIDAE Stromateus fiatola	205.35 113.97	9 2.63 201 1.46
Squalus megalops Argyrosomus hololepidotus	89.25 77.91	30 1.14 3 1.00
Pomatomus saltatrix Trichiurus lepturus	73.98	600 0.95 199 0.46
Sardinops ocellatus	27.99	399 0.36
Dasyatis marmorata Myliobatis aquila	10.50 6.60	9 0.13 24 0.08
Total	7820.58	100.00
		PROJECT STATION: 755
DATE:13/12/94 GEAR T start stop duration	(PE: PT No:7	POSITION:Lat S 1659 Long E 1145
TIME :14:43:00 15:03:00 20 (mi) LOG :7648.70 7649.80 1.10	<ul> <li>Purpose cod</li> <li>Area code</li> </ul>	
FDEPTH: 10 10 BDEPTH: 14 16	GearCond.co Validity co	de:
	100 m Speed:	
Sorted: 31 Kg Total catch	: 100.56	CATCH/HOUR: 301.68
SPECIES	CATCH/HOUR weight numb	
Sardinops ocellatus	300.00 3	476 99.44 2488
Diplodus sargus capensis —	1.68	6 0.56
Total	301.68	100.00
DATE: 14/12/94 GEAR T	YPE: PT No:1	PROJECT STATION: 756 POSITION:Lat S 1909
start stop duration TIME :09:44:00 09:55:00 11 (mi		Long E 1232
LOG :7827.30 7827.90 0.60 FDEPTH: 20 20	Area code GearCond.co	: 3
BDEPTH: 35 35	Validity co : 100 m Speed:	de:
Sorted: 40 Kg Total catch		CATCH/HOUR: 544.91
SPECIES	CATCH/HOU	R & OF TOT. C SAMP
	weight num	
Sardinops ocellatus Etrumeus whiteheadi	165.27	660 30.33 2490 11 9.31
Thyrsites atun	50.73	100.00
Total	544.91	100.00
		PROJECT STATION: 757
DATE:14/12/94 GEAR T start stop duration	YPE: PT No:2	POSITION:Lat S 1938 Long E 1245
TIME :14:54:00 15:09:00 15 (mi LOG :7880.40 7881.20 0.80	n) Purpose co Area code	de: 1
FDEPTH: 10 10	GearCond.co	ode:
BDEFTH: 62 65 Towing dir: 30° Wir <del>c</del> out	Validity c : 100 m Speed	ode: : 32 kn*10
Sorted: Kg Total catch	.:	CATCH/HOUR:
SPECIES	CATCH/HOU weight num	
NO CATCH	0.00	
Total		
DATE:14/12/94 GEAR 1	YPE: PT No:1	PROJECT STATION: 758 POSITION:Lat S 1955
start stop duration TIME :19:06:00 19:12:00 6 (mi		Long E 1233
LOG :7922.00 7922.30 0.30	Area code GearCond.c	: 3
FDEPTH: 70 70 BDEPTH: 130 132 Towing dir: 86° Wire out	Validity c	ode :
Sorted: 32 Kg Total catch		CAICA/AGOR: 100000.00
SPECIES	CATCH/HOU	R & OF TCT. C SAMP
SPECIES Trachurus capensis	CATCH/HOU weight num	R & OF TCT. C SAMP
	CATCH/HOU	R & OF TCT. C SAMP

# Annex IV Instruments and fishing gear used

## Acoustic instruments

The Simrad EK-500/38kHz scientific sounder was used during the survey for fish abundance estimation. The Bergen Echo Integrator system (BEI) was used to scrutinize the acoustic records from the 38kHz echo sounder, and to allocate integrator data to fish species. The details of the settings of the 38kHz echo sounder where as follows:

Tranceiver-1 menu (38 kHz sliding keel):

	Transducer depth Absorbtion coeff. Pulse length Bandwidth Max. power 2-way beam angle Sv transducer gain TS transducer gain Angle sensitivity 3 dB beamwidth Alongship offset Athwardship offset	0.00 m 10 dB/km medium wide 2 000 Watt -21.0 dB 28.0 dB 27.9 dB 21.9 6.8 dg 0.00 dg 0.04 dg
Display menu:		
	Echogram Bottom range Bottom range start Sv colour min	1 (38 kHz) 15 m 10 m -72 dB
Printer- menu:		
	Echogram Range Range start Bottom range Bottom range start Sv colour min TVG	1 (38 kHz) 50, 100 and 250 m 0 12 m 10 m -72 dB 20 log R
Bottom detection n	nenu:	
	Minimum level	-50 dB

A calibration experiment using a standard copper sphere, performed in Baía dos Tigres 6/12 1994 gave the following results:

Sv Transducer gain 28.0 (old value 28.1) Ts Transducer gain 27.9 (old value 28.1)

# Hydrography

Temperature, salinity,oxygen and density were sampled regularly at CTD stations with a Sea-Bird CTD-sonde. The salinity was calculated by a computer.

## Fishing gear

The vessel has two different sized "Åkrahamn" pelagic trawls and one "Gisund super bottom trawl". All three trawls where used during the survey.

# Annex V Number and biomass

PILCH	HARD				
AREA		North of	Baia do	s Tigres	
Total	Biomass		14196	tonnes	
Numb	er of fish	) =	102	X 10 <sup>6</sup>	
Trawis	used:	749	730	0	0
		0	0	0	0
	Survey es	stimates	Length/w	eight	]
	Area:	120	a =	0.0062	
	SA:	441	b =	3.09	
		Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	22.5	0.00	0	0	
	23	0.03	1	148	
	23.5	0.08	4	463	
	24	0.25	13	1496	
	24.5	0.36	18	2291	
	25			71066	
11		0.43	22	2955	
	25.5	0.10	5	720	
	25.5 26	0.10 0.34	5 17	720 2583	
	25.5 26 26.5	0.10 0.34 0.24	5 17 12	720 2583 1952	
	25.5 26 26.5 27	0.10 0.34 0.24 0.09	5 17 12 5	720 2583 1952 803	
	25.5 26 26.5 27 27.5	0.10 0.34 0.24 0.09 0.06	5 17 12 5 3	720 2583 1952 803 511	
	25.5 26 26.5 27 27.5 28	0.10 0.34 0.24 0.09 0.06 0.02	5 17 12 5 3 1	720 2583 1952 803 511 209	
	25.5 26 26.5 27 27.5	0.10 0.34 0.24 0.09 0.06	5 17 12 5 3	720 2583 1952 803 511	

	HARD				
AREA		Baia dos	Tigres		
	 Biomass	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	· · · · · · · · · · · · · · · · · · ·	*****	
			33300	tonnes	
Numb	er of fish		280	X 10 <sup>6</sup>	
Trawis	used:	728	745	0	0
		0	0	0	0
	Survey es	stimates	Length/w	reight	
	Area:	35.4	a =	0.0062	
	SA:	3851	b =	3.09	
	Longth	Relative	No.	Biomass	
	Length 22	frequency 0.00	millions 0	tonnes 0	
	22.5	0.00	2	149	
	22.5	0.01	2 30	3104	
	23.5	0.32	30 45	4931	
	20.5	0.32	40 58	6876	
	24.5	0.33	47	5871	
	25	0.26	37	4952	
	25.5	0.17	24	3457	
	26	0.11	16	2358	
	26.5	0.07	9	1462	
	27	0.07	10	1678	
	27.5	0.00	0	0	
	28	0.00	1	125	
	28.5	0.01	1	265	
	29	0.00	1	140	
	29.5	0.00	0	0	
	Total	2.00	280.26	35368	

PILC	HARD				
AREA	<b>\:</b>	West of	Baia do	s Tigres	
Total	Biomass		22854	tonnes	
Numb	er of fish	) =	213	X 10 <sup>6</sup>	
Trawls	used:	744	743	742	0
	Survey e	0 stimates	0 Length/w		C
	Area:	61	a =	0.0062	
	SA:	1492	b=	3.09	
	Length	Relative frequency	No. millions	Biomass tonnes	
	11	0.09	7	72	
	11.5	0.11	8	96 140	
	12 12.5	0.14 0.01	10 0	140	
	13	0.00	Ő	õ	
	13.5	0.02	1	22	
	14	0.01	1	17	
	14.5 15	0.00 0.01	0	0 21	
	15.5	0.00	0	0	
	16	0.00	0	0	
	16.5	0.00	0	0	
	17 17.5	0.04 0.00	3 0	106 0	
	18	0.00	Ő	õ	
	18.5	0.00	0	0	
	19	0.02	1	63	
	19.5 20	0.00 0.00	0	0 0	
	20.5	0.00	Ő	0	
	21	0.00	0	0	
	21.5	0.00	0	0 69	
1	22 22.5	0.01 0.06	1	435	
	23	0.36	26	2655	
	23.5	0.48	34	3791	
	24 04 5	0.59	42	4918	
	24.5 25	0.42 0.25	30 18	3755 2397	
	25.5	0.23	9	1344	
	26	0.07	5	727	
	26.5	0.06	4	649	
	27 27.5	0.09 0.04	6 3	1036 532	
	28	0.04	0	0	
	Total	3.00	213.09	22854	

PILCHARD			
AREA:	17° to 18	<b>}°</b>	
Total Biomass	; =	2496	tonnes
Number of fish			X 10 <sup>6</sup>
Trawls used:	737	713	0
	0	0	0
Survey e		Length/w	
Area:	107	a=	0.0062
SA:	132	b =	3.09
Length	Relative frequency	No. millions	Biomass tonnes
9.5	0.00	0	0
10	0.01	0	4
10.5	0.00	0	0
11	0.00	0	0
11.5 12	0.00	0	0
12.5	0.00 0.01	0	0 4
13	0.01	1	15
13.5	0.09	3	55
14	0.10	3	70
14.5	0.18	. 6	144
15	0.11	4	99
15.5	0.18	5	170
16	0.20	6	213
16.5	0.35	11	405
17	0.34	11	440
17.5 18	0.15	5	208
18	0.09 0.02	3	131 33
19	0.02	0	0
19.5	0.00	0	0
20	0.00	0	0
20.5	0.01	0	16
21	0.00	0	0
21.5	0.00	0	0
22	0.01	0	36
22.5	0.04	1	125
23	0.01	0	46
23.5	0.02	1	74
24	0.03	1	121
24.5	0.01	0	56
25 25.5	0.01 0.00	0 0	30 0
Total	2.00	62.37	2496

PILCI	HARD				
AREA	<b>\:</b>	19° to 20	)°		
Total	Biomass	=	30969	tonnes	
Num	per of fish	=	1295	X 10 <sup>6</sup>	
Trawls		697	702	756	
IIawis	useu.	0	102	750	
	Survey es		Length/w		
	Area:	157	a=	0.0062	
	SA:	1342	b=	3.09	
				0.00	
		Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	9	0.00	0	0	
	9.5	0.04	17	122	
	10	0.00	0	0	
	10.5	0.08	35	329	
	11	0.08	35	379	
	11.5	0.20	86	1084	
	12	0.16	71	1016	
	12.5	0.37	158	2547	
	13	0.53	229	4164 2033	
	13.5 14	0.23 0.17	100 73	2033	
	14.5	0.17	42	1055	
	14.5	0.04	42 17	464	
	15.5	0.07	29	913	
	16	0.32	136	4651	
	16.5	0.37	160	6004	
	17	0.22	93	3836	
	17.5	0.04	16	718	
	18	0.00	0	0	
	Total	3.00	1295.22	30969	

,

ANCH	IOVY				
AREA	.:	West of	Baia do	s Tigres	
Total	Biomass	=	1744	tonnes	
Numb	er of fish	) =	107	X 10 <sup>6</sup>	
Trawls	used:	742	743	744	754
		0	0	0	0
	Survey es	stimates	Length/w	reight	
	Area:	174	a =	0.002	
	SA:	91	b =	3.44	
				<u> </u>	
		Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	9.5	0.00	0	0	
	10	0.04	1	6	
	10.5	0.04	1	8	
	11	0.08	2	18	
	11.5	0.07	2 2 8	18	
	12	0.29	-	86	
	12.5 13	0.43 0.76	11	145	
	13.5	0.76	20 18	291 295	
	10.5	0.71	10	295 350	
	14.5	0.63	13	348	
	15	0.22	6	137	
	15.5	0.05	1	33	
	16	0.01	0	9	
	16.5	0.00	ŏ	õ	
	Total	4.00	106.63	1744	
			100.00	1144	

ANCHOVY					
AREA:	17° - Cur	iene Ri	ver		
Total Biomass	SS = 966 tonnes				
Trawls used:	720	738	0	0	
Survey estimates	0 T.S.function	0	0 Length/weig	0 abt	
Area: 20	L-fc.:	-2	a =	and a second second second second	
SA: 337		1261218	() ()	3.20	
	Relative	No.	Biomass		
Length	frequency	millions	tonnes		
6	0.00	0	0		
6.5	0.00	õ	Ő		
7	0.00	Ō	Ō		
7.5	0.00	0	0		
8	0.00	0	0		
8.5	0.00	0	0		
9	0.00	0	0		
9.5	0.00	0 0	0 0		
10 10.5	0.00 0.02	0	4		
11	0.02	1	11		
11.5	0.18	4	57		
12	0.16	4	56		
12.5	0.42	10	172		
13	0.45	11	210		
13.5	0.19	5	102		
14	0.18	4	105		
14.5 15	0.22 0.13	5 3	142 96		
15.5	0.02	0	90 13		
16	0.00	Ő	0		
16.5	0.00	0	0		
Total	2.00	48	966		

I					
	IOVY				
AREA	.:	19° to 20	)°		
Total	Biomass	=	10151	tonnes	
		—	10101		
Numb	er of fish	==	1388	X 10 <sup>6</sup>	
Trawls	used:	692	697	702	706
		0	0	0	0
	Survey es	stimates	Length/w	reight	
	Area:	469	a=	0.005	
	SA:	329	b=	3.20	
	· · · ·				
		Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	8.5	0.00	0	0	
	9	0.01	3	17	
	9.5	0.02	6	47	
	10	0.27	95	812	
	10.5	0.48	165	1650	
	11	0.75	260	3006	
	11.5 12	0.99 0.76	343 265	4558 4023	
	12.5	0.42	146	2514	
	13	0.09	31	612	
	13.5	0.04	15	340	
	14	0.06	20	494	
	14.5	0.06	22	603	
	15	0.04	16	475	
	15.5	0.00	0	0	
	16	0.00	0	0	
	16.5	0.00	1287.05	0 19151	
	Total	4.00	1387.95	19101	

ROUN	ND HERI	RING			
AREA	<b>\:</b>	North of	Baia do	os Tigres	S
Total	Biomass		220	tonnes	
Numb	er of fish	) =	5	X 10⁵	
Trawls	used:	735	0	0	О
		0	0	0	0
Survey estimates			Length/w	eight	
	Area:	123	a =	0.0051	
	SA:	12	b =	3.06	
11					
		Relative	No.	Biomass	
	Length	frequency		tonnes	
	17	frequency 0.00		tonnes 0	
	17 17.5	frequency 0.00 0.05		tonnes 0 8	
	17 17.5 18	frequency 0.00 0.05 0.17		tonnes 0 8 32	
	17 17.5 18 18.5	frequency 0.00 0.05 0.17 0.22		tonnes 0 8 32 44	
	17 17.5 18	frequency 0.00 0.05 0.17		tonnes 0 8 32	
	17 17.5 18 18.5 19	frequency 0.00 0.05 0.17 0.22 0.22		tonnes 0 8 32 44 47	
	17 17.5 18 18.5 19 19.5	frequency 0.00 0.05 0.17 0.22 0.22 0.23	millions 0 1 1 1 1	tonnes 0 8 32 44 47 55	
	17 17.5 18 18.5 19 19.5 20	frequency 0.00 0.05 0.17 0.22 0.22 0.23 0.05	millions 0 1 1 1 1 0	tonnes 0 8 32 44 47 55 12	
	17 17.5 18 18.5 19 19.5 20 20.5	frequency 0.00 0.05 0.17 0.22 0.22 0.23 0.05 0.05	millions 0 1 1 1 1 0 0	tonnes 0 8 32 44 47 55 12 13	

ROUN	ID HERF	RING			
AREA	•	West of I	<b>Baia do</b>	s Tigres	
Total Biomass = 4194 tonno				tonnes	
Numb	er of fish	=	235	X 10 <sup>°</sup>	
Trawls	used:	743	742	754	0
	Survey es	0 timates	0 Length/w		0
	Area:	324		0.0051	
	SA:	114	b=		
	•	Relative	No.	Biomass	
	Length 9.5	frequency 0.00	<b>millions</b> 0	tonnes 0	
	10	0.04	3	19	
	10.5	0.13	10	73	
	11	0.58	45	381	
	11.5	0.48	38	362	
	12	0.33	26	281	
	12.5	0.11	9	108	
	13	0.16	13	176 83	
	13.5 14	0.07 0.07	5 5	89	
	14.5	0.01	1	17	
	15	0.03	3	58	
-	15.5	0.00	Ō	0	
	16	0.09	7	192	
	16.5	0.13	10	296	
	17	0.29	23	708	
	17.5	0.20	16	538	
	18	0.25	19	714 36	
	18.5 19	0.01 0.02	1	36 61	
	19	0.02	0	0	
	Total	3.00	234.71	4194	

ROUN	ID HERF	RING			
AREA		17°-18°	Inshore		
Total I	Total Biomass = 4948 tonnes				
Numb	er of fish	=	455	X 10⁵	
Trawls	used:	715	713	715	713
		715	713	0	0
	Survey es	stimates	Length/w	eight	
	Area:	169	a =	0.0051	
	SA:	316	b =	3.06	
		Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	9	0.00	0	0	
	9.5	0.11	9	46	
	10	0.14	11	67	
	10.5	0.34	26	187	
	11	0.70	53	447	
	11.5	1.61	122	1177	
	12	1.58	119	1307	
	12.5	0.87	66	818	
	13	0.22	17	233	
	13.5	0.16	12	184	
	14	0.11	8	146	
	14.5	0.05	4	68 46	
	15 15.5	0.03 0.00	2 0	40	
	15.5	0.00	0	Ő	
	16.5	0.02	1	40	
	17	0.05	4	130	
	17.5	0.00	Ó	0	
	18	0.02	1	51	
	18.5	0.00	0	0	
	Total	6.00	454.94	4948	

ROUND H	IERR	ING	<u> </u>		
AREA:		17°-18°	Offshor	e	
Total Bior	nass	=	402	tonnes	
Number o	of fish		6	X 10⁵	
Trawls use	d:	712	0	0	0
		0	0	0	0
Sur	vey es	timates	Length/w	reight	
	Area:	100	a =	0.0051	
	SA:	23	b =	3.06	
		Relative	No.	Biomass	
11	ngth	frequency	millions	tonnes	
11	20	0.00	0	0	
	0.5	0.03	0	10	
11	21	0.06	0	22	
11 -	1.5	0.23	1	83	
11	22	0.26	1	101	
1	2.5	0.16	1	68	
1	23	0.19	1	87	
	3.5	0.06	0	31 0	
Tota	24	0.00	0 5.78	402	

ROUND H	ERRI	NG			
AREA:	19	<b>° to 20</b>	)°		
Total Biom	ass =	=	3342	tonnes	
Number of	fish =	=	274	X 10 <sup>°</sup>	
Trawls used:	1	692		702	756
		0		0	0
	ey estir		Length/w		
A	rea:	292	a =	0.0051	
	SA:	112	b =	3.06	
	-	Relative	No.	Biomass	
Leng		equency	millions	tonnes	
6.5	5	0.00	0	0	
7		0.14	10	22	
7.5		0.29	20	54	
8.5		0.49 0.19	34 13	110 51	
9		0.19	10	48	
9.		0.09	6	32	
10		0.10	7	43	
10.	5	0.08	6	41	
11		0.29	20	166	
11.	-	0.43	29	282	
12		0.34	23	252	
12. 13	-	0.32 0.06	22 4	275 54	
13.		0.03	2	33	
14	-	0.01	ō	6	
14.		0.01	1	11	
15		0.05	3	71	
15.		0.16	11	261	
16		0.29	20	518	
16. 17		0.27 0.19	18 13	521 397	
17.		0.19	3	397 94	
18		0.00	Ő	0	
Total		4.00	274.38	3342	

HORSE	MAC	KEREL			
AREA:		17°00' - '	17°30'		
Total Bio	mass	=	33302 1	tonnes	
Number	of fish	=	1259	X 10⁵	
Trawls use	ed:	721	720	719	0
		0	0	0	0
Su		stimates	Length/w		
	Area: SA:	556 402	a = b =	0.0114 2.86	
		Relative	No.	Biomass	
L.	ength	frequency	millions	tonnes	
	7.5 8	0.00 0.01	0 3	0 14	
	8.5	0.01	0	0	
	9	0.00	0	0	
	9.5 10	0.01 0.01	3 3	22 26	
	10.5	0.04	15	148	
	11 11.5	0.09 0.23	39 98	442 1266	
	12	0.21	87	1266	
	12.5 13	0.27 0.20	114 82	1865 1505	
	13.5	0.20	46	935	
	14	0.07 0.13	28	635 1337	
	14.5 15	0.13	54 79	2161	
	15.5	0.21	90	2688	
	16 16.5	0.49 0.33	204 140	6679 4997	
	17	0.19	79	3046	
	17.5 18	0.11 0.08	46 33	1925 1493	
	18.5	0.03	13	633	
	19 19.5	0.00 0.00	0 0	0 0	
	19.5 20	0.00	0	Ō	
	20.5	0.01	3 0	217	
Tot	21 al	0.00 3.00	1259.01	0 33302	

HORS		EREL			
AREA	\:	17°30 to	18°00		
Total	Biomass	**********	140941	tonnes	
Numb	er of fish	=	3006	X 10⁵	
Trawls	used:	718	717	716	0
	Survey es	0 timates	0 Length/w	0 veight	0
	Area:	614	a=		
	SA:	1276	b =		
		Delet i			
	Length	Relative frequency	No. millions	Biomass tonnes	
	10.5	0.00	0	0	
	11	0.01	8	86	
	11.5	0.01	8	98	
	12	0.04	38	549	
	12.5 13	0.08 0.17	83 166	1355 3024 -	
	13.5	0.17	158	3024	
	14	0.17	172	3863	
	14.5	0.14	142	3526	
	15	0.11	113	3081	
	15.5	0.10	98	2918	
	16	0.20	201	6573	
	16.5 17	0.25 0.29	247 293	8804 11353	
	17.5	0.29	293 187	7851	
	18	0.06	62	2833	
	18.5	0.04	38	1857	
	19	0.05	46	2462	
	19.5	0.12	120	6864	
	20 20.5	0.07	66 152	4065	
	20.5	0.15 0.11	153 112	10024 7901	
	21.5	0.11	106	7976	
	22	0.05	46	3691	
	22.5	0.07	73	6199	
	23	0.03	33	3015	
	23.5 24	0.04	40	3845	
	24 24.5	0.03 0.05	27 46	2721 4957	
	25	0.05	46 46	4957 5343	
	25.5	0.04	40	4844	
	26	0.00	0	0	
	26.5	0.01	7	900	
	27	0.01	6	890	
	27.5	0.01	7	999	
	28 28.5	0.01 0.01	7 13	1052 2212	
	28.5	0.01	13	2212	
	29.5	0.00	Ő	0	
	Total	3.00	3006.26	140941	

AREA: <b>18° to 19°</b> Total Biomass = 89413 to Number of fish = 3379	
Number of fish = 3379	X 10 <sup>6</sup>
	711 707
<b>Trawls used:</b> 713 712	
000 Survey estimates Length/w	
	0.0114
	2.86
Relative No.	Biomass
Length frequency millions	tonnes
6 0.00 0 6.5 0.00 0	0 0
7 0.00 0	0
7.5 0.00 0	0
8 0.00 0 8.5 0.01 7	0 41
<b>9</b> 0.02 15	96
<b>9.5</b> 0.02 15	112
<b>10</b> 0.05 44 <b>10.5</b> 0.14 118	386 1181
<b>11</b> 0.18 154	1764
<b>11.5</b> 0.19 162	2093
<b>12</b> 0.08 66 <b>12.5</b> 0.03 22	964 360
<b>12.5</b> 0.03 22 <b>13</b> 0.02 15	270
<b>13.5</b> 0.06 51	1041
<b>14</b> 0.21 179	4010
<b>14.5</b> 0.50 419 <b>15</b> 0.66 559	10389 15224
<b>15.5</b> 0.79 669	19992
<b>16</b> 0.56 470	15374
<b>16.5</b> 0.32 267 <b>17</b> 0.07 57	9525 2199
<b>17.5</b> 0.06 49	2077
<b>18</b> 0.02 15	675
<b>18.5</b> 0.00 0 <b>19</b> 0.01 5	0 262
<b>19.5</b> 0.01 10	564
<b>20</b> 0.00 0	0
<b>20.5</b> 0.01 7 <b>21</b> 0.01 5	466 347
<b>21</b> 0.01 5 <b>21.5</b> 0.00 0	0
<b>22</b> 0.00 0	0
<b>22.5</b> 0.00 0	0
<b>23</b> 0.00 0 <b>23.5</b> 0.00 0	0 0
<b>24</b> 0.00 0	0
<b>24.5</b> 0.00 0	0
<b>25</b> 0.00 0 <b>25.5</b> 0.00 0	0 0
<b>26</b> 0.00 0	0
<b>26.5</b> 0.00 0	0
<b>27</b> 0.00 0 <b>27.5</b> 0.00 0	0 0
<b>27.5</b> 0.00 0 <b>28</b> 0.00 0	0
<b>28.5</b> 0.00 0	0
<b>29</b> 0.00 0	0
<b>29.5</b> 0.00 0 <b>Total</b> 4.00 3379.34	0 89413

HORSE	HORSE MACKEREL						
AREA:		19° to 20	0				
Total Bio	omass	=	197309	tonnes			
Number	of fish	=	7827	X 10 <sup>₅</sup>			
Trawls us	ed:	705	703	702	701		
		699	698	697	695		
Su	urvey es		Length/w	and the second second second			
	Area:	1871	a =	0.0114			
	SA:	702	b =	2.86			
	Length	Relative frequency	No. millions	Biomass tonnes			
	6	0.24	169	362			
	6.5 7	0.36 0.17	260 119	691 387			
	, 7.5	0.14	102	401			
	8	0.02	17	80			
	8.5 9	0.08 0.02	56 16	315 103			
	9.5	0.02	101	770			
	10	0.28	196	1721			
	10.5	0.39	277	2781			
	11 11.5	0.36 0.62	256 440	2925 5693			
	12	0.55	391	5701			
	12.5	0.51	362	5911			
	13 13.5	0.43 0.30	303 215	5536 4369			
	14	0.58	410	9218			
	14.5	0.66	472	11697			
	15 15.5	0.59 0.72	419 511	11413 15274			
	16	0.85	605	19759			
	16.5	0.85	605	21556			
	17 17.5	0.64 0.46	456 324	17686 13617			
	18	0.32	229	10432			
	18.5	0.25	175	8590			
	19 19.5	0.16 0.15	111 103	5899 5886			
	20	0.05	36	2188			
	20.5	0.06	45	2983			
	21	0.04	30	2129			
	21.5 22	0.01 0.00	10 0	769 0			
	22.5	0.00	0	0			
	23	0.01	5	465			
	<u>23.5</u> otal	0.00	0 7827.04	0 197309			

HORS		EREI			
AREA		20° to 21	o		
11	 Biomass	~~~~~		tannaa	
11			140538		
	er of fish			X 10 <sup>6</sup>	
Trawls	used:	690	689	687	686
	Survey es	683 timates	682 Length/v		Ĺ
	Area:	1942	a =	www.becnadaaaa	
	SA:		b=		
	Length	Relative frequency	No. millions	Biomass tonnes	
	6	0.58	587	1253	
	6.5	0.28	286	760	
	7	0.14	137	448	
	7.5	0.09	94	372	
	8	0.05	47	221	
	8.5	0.05	52	288	
	9 9.5	0.04	37	239	
	9.5 10	0.00 0.00	0	0 0	
	10.5	0.00	30	303	
	11	0.03	80	909	
	11.5	0.26	267	3452	
	12	0.33	331	4824	
	12.5	0.40	405	6627	
	13	0.26	258	4711	
	13.5	0.24	243	4923	
	14	0.27	274	6152	
	14.5	0.37	375	9305	
	15 15 5	0.29	296	8066	
	15.5 16	0.32 0.36	326 359	9729 11721	
	16.5	0.36	309	11721 10768	
	10.5	0.38	302	14696	
	17.5	0.27	270	11370	
	18	0.35	352	16028	
	18.5	0.19	190	9359	
	19	0.07	67	3558	
	19.5	0.01	8	457	
	20	0.00	0	0	
	20.5	0.00	0	0	
	21	0.00	0	0	
	21.5 22	0.00	0	0	
	22 22.5	0.00 0.00	0 0	0	
	22.5	0.00	0	0	
	23.5	0.00	0		
	24	0.00	0	ő	
	24.5	0.00	Õ	õ	
	25	0.00	Ō	Ő	
	25.5	0.00	0	0	
	26	0.00	0	0	
	26.5	0.00	0	_ <b>O</b>	
	27	0.00	0	0	
	27.5	0.00	0	0	
	28	0.00	0	0	
	28.5	0.00	0	0	
	29 29.5	0.00	0	0	
	Total	0.00 6.00	0 6051.34	0	
<u> </u>	i Utdi	0.00	0051.34	140538	

ARE	A:	21° to 22	<b>2</b> 0		
Total	Biomass	; =	35012	tonnes	
Numb	per of fish	ן =	1066	X 10⁵	
<b>Frawls</b>	used:	681	677	0	0
	C	0	0	0	0
	Survey e		Length/w		
	Area:	2070	1 :	0.0114	
	SA:	102	b =	2.86	
	Length	Relative frequency	No. millions	Biomass tonnes	
	6 6.5	0.01 0.00	7	15 0	
	7	0.00	0	0	
	7.5 8	0.00 0.01	0 7	0 33	
	8.5	0.00	O	õ	
	9	0.03	14	91	
	9.5 10	0.03 0.18	14 97	105 850	
	10.5	0.22	118	1182	
	11	0.32	173	1979	
	11.5 12	0.17 0.03	90 14	1165 202	
	12.5	0.00	0	0	
	13	0.00	0	0	
	13.5 14	0.00 0.00	0	0 0	
	14.5	0.00	0	Ő	
	15	0.00	0	0	
	15.5 16	0.00 0.00	0	0 0	
	16.5	0.00	ŏ	õ	
	17	0.00	0	0	
	17.5 18	0.00 0.09	0 46	0 2079	
	18.5	0.07	38	1872	
	19	0.37	198	10493	
	19.5 20	0.24 0.20	129 107	7382 6529	
	20.5	0.20	8	500	
	21	0.01	8	535	
	21.5 Total	0.00	0 1065.94	0 35012	

HORS		KEREL			
AREA	a 01	22° to 23	0		
Total I	Total Biomass = 4866 tonnes				
Numb	er of fish	=	562	X 10 <sup>6</sup>	
Trawls	used:	672	0	0	0
		0	0	0	0
	Survey es	timates	Length/w	eight	
	Area:	1359	a =	0.0114	
	SA:	34	b =	2.86	
			81.	Diama a a a	
	Lanath	Relative	No.	Biomass	
	Length	frequency	millions	tonnes	
	6.5	frequency 0.00	millions 0	tonnes 0	
	6.5 7	frequency	millions 0 9	tonnes	
	6.5	frequency 0.00 0.02	millions 0	tonnes 0 30	
	6.5 7 7.5	frequency 0.00 0.02 0.01	millions 0 9 5	tonnes 0 30 18	
	6.5 7 7.5 8	frequency 0.00 0.02 0.01 0.01	millions 0 9 5 5 32 18	tonnes 0 30 18 22 180 121	
	6.5 7 7.5 8 8.5 9 9.5	frequency 0.00 0.02 0.01 0.01 0.06 0.03 0.20	millions 0 9 5 5 32 18 115	tonnes 0 30 18 22 180 121 876	
	6.5 7 7.5 8 8.5 9 9.5 10	frequency 0.00 0.02 0.01 0.01 0.06 0.03 0.20 0.34	millions 0 9 5 5 32 18 115 194	tonnes 0 30 18 22 180 121 876 1697	
	6.5 7 7.5 8 8.5 9 9.5 10 10.5	frequency 0.00 0.02 0.01 0.01 0.06 0.03 0.20 0.34 0.25	millions 0 9 5 5 32 18 115 194 138	tonnes 0 30 18 22 180 121 876 1697 1389	
	6.5 7 7.5 8 8.5 9 9.5 10 10.5 11	frequency 0.00 0.02 0.01 0.01 0.06 0.03 0.20 0.34 0.25 0.07	millions 0 9 5 5 32 18 115 194 138 41	tonnes 0 30 18 22 180 121 876 1697 1389 474	
	6.5 7 7.5 8 8.5 9 9.5 10 10.5	frequency 0.00 0.02 0.01 0.01 0.06 0.03 0.20 0.34 0.25	millions 0 9 5 5 32 18 115 194 138	tonnes 0 30 18 22 180 121 876 1697 1389	

# Annex VI The total number of fish per length group

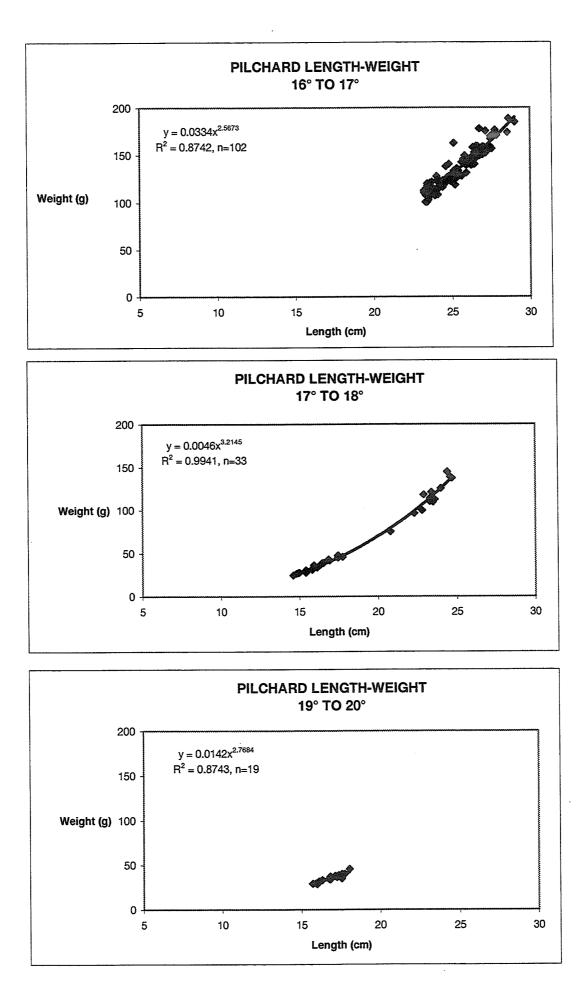
NUMBER		HARD		]
Area	16°-17°	17°-18°	19°-20°	TOTAL
NI 10 <sup>6</sup>	505			1050
No. x 10 <sup>6</sup> Length (cm)	595	60	1295	1950
6.5				
7	7			7
7.5	8			8
8	10			10
8.5				
9				
9.5	1		17	18
10	1			1
10.5			35	35
11	1		35	35
11.5			86	11
12			71	71
12.5	~	-	158	11
13 13.5	3	1 3	229 100	11
13.5		3	73	
14.5		6	42	16
15	1	4	17	
15.5		5	29	
16		6	136	142
16.5		11	160	
17		11	93	
17.5		5	16	
18	1	3		3
18.5 19	5 26	1		5 26
19.5	20 34			34
20	42			42
20.5	30			30
21	18			18
21.5	9			9
22	5			9 5 7
22.5	6	1		
23	38			38
23.5	52	1		52 70
24 24.5	71 65	1		72 65
24.5	65 59			59
25.5	29			29
26	33			33
26.5	21			21
27	15			15
27.5	3			
28	2			2
28.5	2			3 2 2 1
29	1			1
29.5				0

NUMBER OF ANCHOVY						
Area	16°-17°	19°-20°	TOTAL			
No. x 10 <sup>6</sup>	106	1388	1494			
Length (cm)	1					
8.5						
9		3	3			
9.5		6	6			
10	1	95	96			
10.5	1	165	166			
11	2	260	262			
11.5	2	343	345			
12	8	265	273			
12.5	11	146	157			
13	20	31	52			
13.5	18	15	33			
14	19	20	39			
14.5	17	22	39			
15	6	16	21			
15.5	1		1			
16						

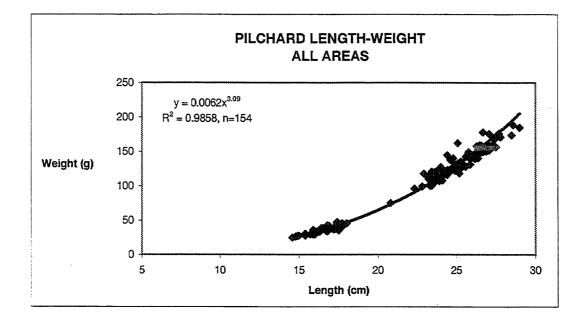
:

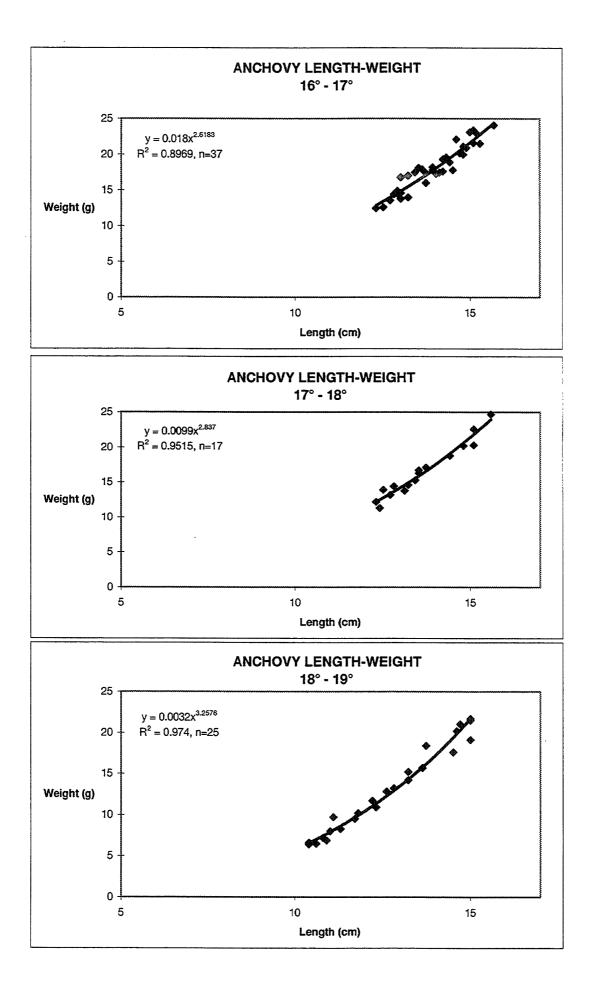
NUMBER OF ROUND HERRING						
Area	16°-17°	17°-18°	19°-20°	TOTAL		
	_	-				
No. x 10 <sup>6</sup>	239	460	274	973		
Length (cm)						
7			10	10		
7.5			20	20		
8			34	34		
8.5			13	13		
9			10	10		
9.5		9	6	14		
10	3	11	7	20		
10.5	10	26	6	41		
11	45	53	20	118		
11.5	38	122	29	189		
12	26	119	23			
12.5	9	66	22			
13	13	17	4	33		
13.5	5	12	2	19		
14	5	8		14		
14.5	1	4	1	5		
15	3	2	3	8		
15.5			11	11		
16	7		20	27		
16.5	10	1	18	30		
17	23	4	13	40		
17.5	16		3	19		
18	20	1		21		
18.5	2			2		
19	2			2		
19.5	1			1		
20						
20.5						
21						
21.5		1		1		
22		1		1		
22.5		1		1		
23						
23.5						
24		1		1		
24.5						

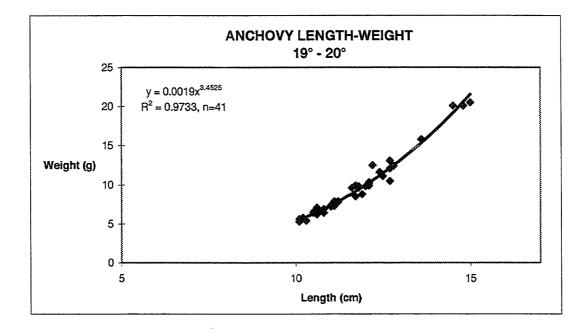
NUMBER O								
Area 10	6°-17° 1	7°-18° 1	8°-19° 1	9°-20° 2	0°-21° 2	21°-22° 2	2°-23° 7	TOTAL
No. x 10⁵	491	4265	3372	7827	6051	1066	562	22775
ength (cm)								
5	40							40
5.5	28							28
6	28			169	587	7		791
6.5	18			260	286			563
7	5			119	137		9	271
7.5	3			102	94	_	5	203
8	2	3		17	47	7	5	81
8.5				56	52	0	32	140
9	1	-	15	16	37	14	18	100
9.5	2	3	15	101		14	115	250
10	4	3	44	196		97	194	538
10.5	7	15	118	277	30	118	138	702
11	11	46	154	256	80	173	41	761
11.5	7	105	162	440	267	90	5	1075
12	5	124	66	391	331	14		932 1001
12.5	15	197	22	362	405			1001 843
13	19 16	248	15 51	303	258 243			043 730
13.5 14	16	204 200	51 179	215 410	243 274			1086
14 14.5	23 16	200 196	419	410	375			1478
14.5	25	190	559	472	296			1491
15.5	33	188	669	511	326			1726
16	38	406	470	605	359			1877
16.5	16	387	267	605	302			1577
17	3	372	57	456	379			1267
17.5	- 1	233	49	324	270			877
18	1	95	15	229	352	46		738
18.5		51		175	190	38		454
19		46	5	111	67	198		428
19.5	5	120	10	103	8	129		376
20	5	66		36		107		213
20.5	2	156	7	45		8		218
21	9	112	5	30		8		165
21.5	5	106		10				121
22	2	46						48
22.5	5	73						77
23	5	33		5				43
23.5	12	40						52
24	9	27						36
24.5	7	46						53
25	7	46						54
25.5	9	40						49
26	9							9
26.5	5	7						11
27 07 F	5	6						11
27.5	14	7						21 14
28	7	7						14
28.5	4	13						ن ۲
29 29.5	1							1
23.0								

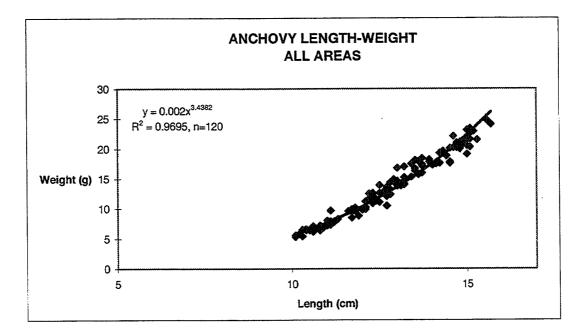


Annex VII Length-weight relations









### Annex VIII Fish condition factor

Pilchard condition per area: number of samples (n), mean, variance (s<sup>2</sup>), and standard deviation (s)

a) Gutted	weight	conditio	on factor

d) Guiled weight condition factor							
n	Mean c.f.	S²	S				
154	0.714	0.0007	0.0264				
102	0.712	0.0031	0.0558				
33	0.750	0.0049	0.0703				
19	0.666	0.0010	0.0311				
	n 154 102 33	n Mean c.f. 154 0.714 102 0.712 33 0.750	n Mean c.f. s <sup>2</sup> 154 0.714 0.0007 102 0.712 0.0031 33 0.750 0.0049				

b) Full weight condition factor

Area	n	Mean c.f.	S2	S
All areas	154	0.828	0.0052	0.0723
16°-17°	102	0.834	0.0081	0.0900
17°-18°	33	0.862	0.0068	0.0826
19°-20°	19	0.739	0.0010	0.0322

Anchovy condition per area: number of samples (n), mean, variance (s<sup>2</sup>), and standard deviation (s)

a) Gutted weight condition factor

Area	n	Mean c.f.	S²	S
All areas	120	0.532	0.0012	0.0341
]6°-17°	37	0.560	0.0004	0.0202
17°-18°	17	0.548	0.0149	0.1220
18°-19°	25	0.519	0.0010	0.0317
19°-20°	41	0.508	0.0009	0.0299

b) Full weight condition factor

Area	n	Mean c.f.	S²	S
All areas	120	0.618	0.0066	0.0811
16°-17°	37	0.660	0.0000	0.0067
1 <b>7°-18°</b>	17	0.648	0.0004	0.0187
1 <b>8°-19</b> °	25	0.614	0.0004	0.0204
1 <b>9°-20°</b>	41	0.571	0.0049	0.0703

## Annex IX Reproductive status

#### PILCHARD BIOLOGICAL DATA

16° -	17°S
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Length Class	n	Mean Weight	Mean Gutted Weight	Sex Ratio	% per Maturity Stage					Mean Gonad
-					1	2	3	4	5	Weight
23.0 - 23.9	21	114.57	95.34	0.71			76	24		5.93
24.0 - 24.9	29	122.58	105.73	0.31			79.3	17.2	3.5	6.42
25.0 - 25.9	20	135.18	116.46	0.5			80	20		8.09
26.0 - 26.9	17	151.35	129.89	0.12			88.2	11.8		7.27
27.0 - 27.9	12	164.58	141.15	0			83.4	16.6		7.65

#### ANCHOVY BIOLOGICAL DATA

a) 16° - 17°S

Length Class	n	Mean	Mean Gutted	Sex	% per Maturity Stage					Mean Gonad
		Weight	Weight	Ratio	1	2	3	4	5	Weight
13.0 - 13.9	12	16.59	14.11	0.3			66.7	33.3		1.09
14.0 - 14.9	12	19.36	16.54	0.7			66.7	33.3		1.55

#### b) 19° - 20°S

Length Class	n	Mean	Mean Gutted	Sex	% per Maturity Stage					Mean Gonad
		Weight	Weight	Ratio	1	2	3	4	5	Weight
10.0 - 10.9	11	6.23	5.72	0.3	27.3	36.4	18.2	9.1		0
11.0 - 11.9	15	8.27	7.33	0.5			73.3	26.7		0.17
12.0 - 12.9	11	11.23	9.94	0.27			36.7	63.3		0.45