

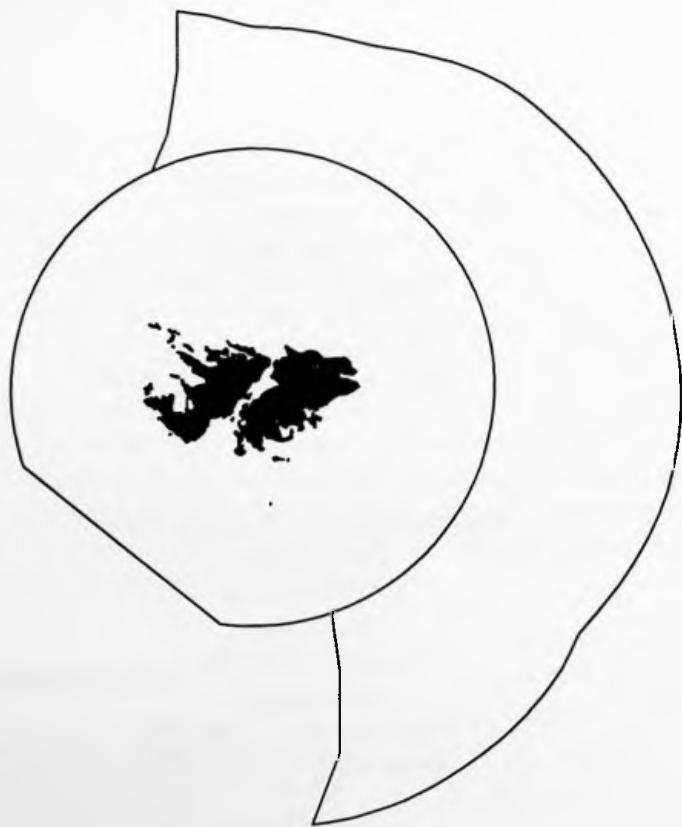
**FALKLAND ISLANDS GOVERNMENT  
FISHERIES DEPARTMENT**



**FISHERY STATISTICS**

**Volume 2  
(1989 - 1997)**

FALKLAND ISLANDS GOVERNMENT  
FISHERIES DEPARTMENT



FISHERY STATISTICS

Volume 2  
(1989-1997)

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Printed by the Falkland Islands Government Printing Office.  
Stanley,  
Falkland Islands

Cover printed by The Chameleon Press Limited  
5-25 Burr Road, Wandsworth,  
London SW18 4SG

1 February 1998

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# FALKLAND ISLANDS GOVERNMENT FISHERIES DEPARTMENT



## FISHERY STATISTICS

### FOREWORD

#### The Falkland Islands' Fishery (01 January 1997 - 31 December 1997)

The following is a brief description of the fishery in relation to the main species covered by this bulletin.

#### *Illex argentinus* - Illex squid

Following a series of moderate seasons, the total catch of *Illex* within the general region of the South West Atlantic and in the area of the Falkland Islands' Conservation Zones, exceeded expectations. Catches were the third highest on record since 1987 when comprehensive data started to be collected. The pre-season estimation of the *Illex* stock size, following the joint UK/Argentine *Illex* pre-recruit survey, indicated that squid were of good size and more abundant than in previous pre-recruit surveys. The season within Falkland's waters started later than usual with the majority of the fishing effort during the first few weeks of March being concentrated in International waters between 42°S and 48°S and over the Patagonian Shelf. The performance of the fishery increased dramatically during late March and early April before dropping to a mid-season low. This was followed by an extraordinary and unexpected increase in the catch rate during late April and early May, recording the highest catch rates ever in the fishery at this time in the season.

Analysis of commercial catch data confirmed estimates of recruitment determined earlier in the year from the joint cruise; it was clear that there had been a major recruitment to the 1997 stock. Given the low level of escapement from the 1996 fishery, it was speculated that general ecological and environmental conditions in the intervening period had been favourable for development, recruitment and subsequent dispersion south and east across the waters of the Patagonian Shelf.

The distribution of the stock also appears to have been influenced by warmer than usual oceanographic conditions in this area, tending to be concentrated on the continental shelf. In addition there was some evidence of stronger than usual cold water currents off the shelf edge which may have acted concurrently in containing the migrating stock and providing favourable conditions for feeding and growth. Estimates of the stock size which escaped the attentions of fishing vessels at the end of the season were in excess of the 40,000mt level used as a conservation target for the spawning stock biomass. Circumstantial evidence supported, for example, by the unusual occurrence of the cold water squid species *Martialia hyadesi* over the continental shelf to the north west of the Islands, suggested that there were significant oceanographic events in the area of the fishery during 1997. These effects may have been associated with the major El Niño/ENSO event occurring in the Pacific over the course of the *Illex* and *Loligo* life cycles. Although data on the wide scale effects of such circumstances and

the implications for the stocks of the two commercial squid species off the Falkland Islands remains unknown, the effects of such a significant event cannot be discounted when reviewing the performance of both squid fisheries.

#### ***Loligo gahi* - Patagonian squid**

The first season *Loligo* fishery in 1997 failed to meet expected levels of production. The season proved to be the worst on record and followed similarly depressed seasons in 1994 and 1996. No strong, underlying pattern of recruitment pulses of squid into the area of the fishery were evident during the first season fishing period in 1997, whereas these had been obvious during the 1994 -1996 seasons in varying amplitude.

Analysis of the stock structure suggests that squid entering the fishery in the middle of the first season are probably the same population that supports the fishery during the second fishing season. Since catch rates of squid were very poor at the end of the first season the prognosis for the second half of the year was not good.

Good scientific observer coverage of the fishery enabled the stock to be assessed on a regular basis and confirmed a low biomass of squid in the second season fishery. With no obvious period of secondary recruitment of squid into the fishery, as had occasionally been recorded in late September, the fishery was closed at mid-night on 30th September to allow a sufficient escapement of squid to reproduce and regenerate the stock. A target escapement of 10,000mt was determined as being a realistic figure for the remaining stock.

Environmental conditions over the spawning grounds during and subsequent to hatching are expected to effect the level of recruitment of squid into the 1998 *Loligo* fisheries. With such importance being attributed to these areas of environmental influence, the focus of future scientific research will be directed at elucidating the unknowns which currently influence this fishery.

#### ***Micromesistius australis* - Blue whiting**

Catches and effort in the blue whiting fishery remained much the same as those reported in 1996. There is some indication that the stock in the Falkland Islands/South West Atlantic region has declined slightly over the last decade and this has focused research efforts on determining the stock composition and seasonal abundance of the species. A further UK/Argentine research cruise targeting the species is scheduled to take place in September 1998 when the stock migrating to the spawning grounds to the south west of the Falkland Islands will be surveyed using acoustic techniques.

#### ***Macruronus magellanicus*, *Merluccius* spp., *Genypterus blacodes* and *Salilota australis* - Hoki, hakes, kingclip and red cod**

Along with *Illex*, southern blue whiting and hake, hoki occurs in both Argentine and Falkland Island waters and is termed a straddling stock. Hoki has been increasing in importance to the bottom trawling finfish fleet, particularly during the latter part of the year. An increase in fishing effort directed on this species is likely to be realised in future seasons as producers respond to market demands.

Catches of hake, kingclip and red cod represent the bycatch of the bottom trawling fleet. With the majority of the fleet targeting hoki over the shelf in the north and north west of the zone, few vessels moved south to the traditional grounds to target pre-spawning aggregations of red cod. In consequence hake and kingclip catches for the season were comparable with those reported last year, whilst those reported for red cod were below the level reported in 1996.

#### ***Dissostichus eleginoides* - Patagonian toothfish**

There was a significant increase in the toothfish catch during 1997 due to an increase in effort in the longline fishery. A number of different types and sizes of longliners prosecuted this fishery over the course of the year with each design and fishing method tested by the severe tidal streams and bottom currents experienced over the fishing grounds. There were never

heavily weighted lines had the added advantage of reducing incidental mortality of seabirds to very low levels. Research effort to determine the size and affinities of the stocks of toothfish in Falkland's waters was the object of scientific endeavour with new techniques developed specifically to estimate the biomass of deep ocean species being applied in this fishery. Models currently being developed incorporating this data, age length keys and physical information are expected to improve the management of this fishery.

#### **Rajidae - Skates and rays**

The fishing effort expended on skates and rays and the resulting catch reported by vessels prosecuting this fishery remained similar to that recorded last year. Although there was some initial concern by commercial operators over the size and abundance of the species, vessels in this fishery during the early spring season reported moderate to good catches. The multi-species composition of this fishery is of particular importance in the management of this stock. In house research has focused on the development of age length keys and the determination of growth rates for the main commercial species. Current initiatives include the consideration of conservation measures for vessels targeting these species which may be of particular importance to the management of this multi-species stock.

#### **Others**

This category details the unprocessed weight of species of commercial value but of minor significance with regard to the overall performance of the fishery. Contained within this category are grenadiers (*Macrourus* spp., *Coelorhynchus* spp.), butterfish (*Stromateus maculatus*) and notothens (*Paranotothenia magellanica*, *Patagonotothen ramsayi* and *Eleginops maclovinus*). On occasion, the pelagic, Falkland's herring (*Sprattus fuegensis*) has also been reported in this category.

Conor P. Nolan, Ph.D.,  
Senior Fisheries Scientist

## PREFACE

This bulletin of fishery statistics provides a descriptive summary of data provided to the Fisheries Department of the Falkland Islands Government by vessels licensed to operate in Falkland Islands waters.

The annual period used to define these statistics has been standardised to represent the calendar year beginning on 01 January and ending on 31 December. Descriptive charts contained within the bulletin present catch data for two seasons. In these instances the terms of the first and second season are 01 January to 30 June and 01 July to 31 December respectively.

Licence conditions dictate that every fishing vessel provides a daily catch report referenced to a grid square defining catch position. The reporting grid is formed of grid squares of 15 minutes latitude by 30 minutes longitude covering the areas of the Falkland Islands Interim Conservation and management Zone (FICZ) and Falkland Islands Outer Conservation Zone (FOCZ).

Although catch data is reported to the Fisheries Department in kilograms, the statistical tables present data summarised and rounded to the nearest metric ton (tonne). Discrepancies between the individual sum of table cells and the appropriate table total are artefacts of this method of aggregation. Within the table structure, the flag of the vessel taking the catches is used to assign catches to a particular fleet, a cell value of zero represents catches of less than 0.5 tonnes and a blank cell value indicates no reported catch.

Where tables and charts detail catches by parameter size class, the bottom register contains all values greater than and including the lower limit of that class. Similarly, the top register contains all parts of the integer value describing the higher limit of the class. The symbol '<' includes all values less than the integer value to the right of the symbol and the symbol ' $\geq$ ' includes all values greater than or equal to the integer value to the right of the symbol.

The statistics presented include all reported catches of major commercial species of fish and squid within Falkland Islands waters. For reference purposes two sets of species codes are presented in the appropriate summary table: The Falkland Islands Fisheries Department Code (FIFD) and the Food and Agriculture Organisation of the United Nations (FAO) code (a 3-alfa species identification code defined by the International Standard Statistical Classification of Aquatic Animals and Plants (ISSCAAP)). The FIFD code is used within the statistical tables to define species.

The information on licences (Tables B1 to B13) reflects the total number of licences issued. In most cases this exceeds the number of vessels, as a number of vessels are allocated more than one licence type. Finfish licences are allocated in monthly units. Consequently a vessel allocated a finfish licence for one month, will be recorded as one licence in that particular licence category. In a number of years, vessels in the *Illex* fishery have not fished for the full season. As a result the number of 'full season licence equivalents' would be rather less than the number of *Illex* licences issued in many cases.

For citation purposes this publication should be referenced as follows ;

Falkland Islands Government, (1998).  
Fisheries Department, Fisheries Statistics, Volume 2, 1998.  
Falkland Islands Government printing office, Stanley, Falkland Islands. 75pp.

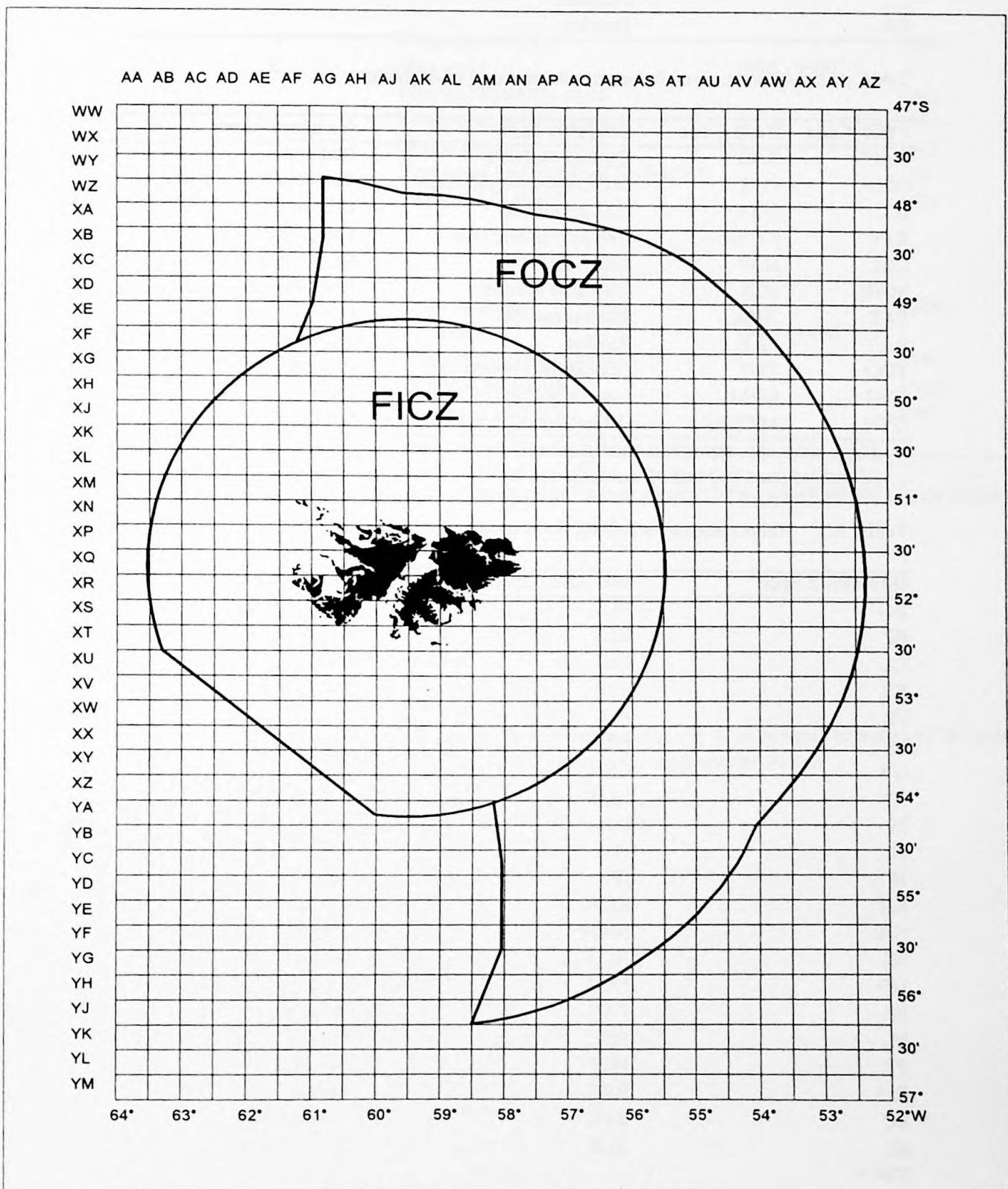
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## Introduction

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



## Introduction

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

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

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

FIFD Code	FAO Code	Scientific name	Common name
BAC	SAO	<i>Salilota australis</i>	Red cod
BLU	POS	<i>Micromesistius australis</i>	Southern blue whiting
ILL	SQA	<i>Illex argentinus</i>	Illex squid
KIN	CUS	<i>Genypterus blacodes</i>	Kingclip
LOL	SQP	<i>Loligo gahi</i>	Patagonian squid
MAR	SQS	<i>Martialia hyadesi</i>	Martialia squid
PAT	HKX	<i>Merluccius spp *</i>	Hake
RAY	SRX	<i>Rajidae</i>	Skates and rays
TOO	TOP	<i>Dissostichus eleginoides</i>	Patagonian toothfish
WHI	GRM	<i>Macruronus magellanicus</i>	Hoki
OTH	MZZ/SKX	Osteichthyes/Chondrichthyes	Others

\* - *Merluccius* spp. represents catches of only two species:

*M. hubbsi* (ca 80%) and *M. australis* (ca 20%).

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

ISO Alfa-2 code	ISO Alfa-3 code	Fishing Fleet
BG	BGR	Bulgaria
BZ	BLZ	Belize
CL	CHL	Chile
ES	ESP	Spain
FK	FLK	Falkland Islands
FR	FRA	France
GR	GRC	Greece
HN	HDN	Honduras
IS	ISL	Iceland
IT	ITA	Italy
JP	JPN	Japan
KR	KOR	Korea
NA	NAM	Namibia
NL	NLD	Netherlands
NO	NOR	Norway
PA	PAN	Panama
PL	POL	Poland
PT	PRT	Portugal
RU	RUS	Russia
SC	SYC	Seychelles
SL	SLE	Sierra Leone
TW *		Taiwan
UK	GBR	United Kingdom
UR	UKR	Ukraine
US	USA	United States of America

\* - Taiwan is coded TW for these statistics.

## Introduction

Table A.4 Licence types, target species and periods of application 1989 - 1997

Licence*	Target species	Period of application
<b>First Season</b>		
A	Unrestricted finfish	1989 -
B	Illex squid	1989 - 1992
C	Illex and Martialia squid	1993 -
F	Patagonian squid (Loligo)	1989 -
G	Skates and rays	1995 -
	Illex squid and restricted finfish***	1997 -
W	Restricted finfish**	1994 -
<b>Second Season</b>		
R	Skate and rays	1994 -
X	All species	1989 - 1990
	Patagonian squid (Loligo)	1991 -
Y	Unrestricted finfish	1989 -
Z	Restricted finfish**	1989 -

\* Experimental fishing licences 'E' are issued on an occasional basis in support of the development of new fishery resources.

\*\* Restricted finfish - Main target species ;

*Micromesistius australis* - Southern blue whiting - BLU

*Macruronus magellanicus* - Hoki - WHI

No *Merluccius* spp. - Hakes - PAT, permitted.

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

## Licences

Table B.1 Licence allocations by licence type and year

LICENCE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
A	40	33	17	13	4	10	5	5	4	
B	162	144	170	165	159	164	120	114	92	
C	46	38	16	20	23	22	17	19	15	
E	7	5		2	2	6	6	5	6	
F						4	5			
G									20	
R						9	10	11	10	
W			11	16	14	30	30	29	10	
X	23	20	19	23	30	27	23	24	21	
Y	70	17	15	10	5	10	9	6	11	
Z	24	35	40	46	43	48	60	43	36	
	<b>372</b>	<b>292</b>	<b>288</b>	<b>295</b>	<b>280</b>	<b>326</b>	<b>284</b>	<b>261</b>	<b>225</b>	

Table B.2 Licence allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	9	14	8	7	2					
BZ							1			
CL	1	1		6	3	8	8	4	3	
ES	99	72	66	74	75	108	100	70	52	
FK	7	4	2	3	4	8	19	37	34	
FR					5	3	4	2		
GR	5	3								
HN			2	3	4	7	8	3		
IS								1	3	
IT	7	3	2	5	6	3	2			
JP	95	82	77	63	30	36	13	11	19	
KR	30	32	42	55	60	87	106	112	98	
NA									3	
NL	1	1								
NO		2						1	1	
PA			5	4	3	3	2	3	1	
PL	68	53	40	21	8	8	4	2		
PT	7	7	4	4	4	4	8	4		
RU					1					
SC									3	
SL				1	1	1				
TW	32	17	39	49	79	43	8	3	3	
UK	11	1	1		1	3	2	5	3	
UR						1				
US							1			
	<b>372</b>	<b>292</b>	<b>288</b>	<b>295</b>	<b>280</b>	<b>326</b>	<b>284</b>	<b>261</b>	<b>225</b>	

## Licences

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG		2								
ES	15	11	12	11	3	6	4	2	2	
FK	1	1				1	1	2	2	
FR						1				
IT				1	1					
JP	4					1				
NO		1								
PL	16	15	3							
PT	3	3	2	1						
UK	1					1		1		
	<b>40</b>	<b>33</b>	<b>17</b>	<b>13</b>	<b>4</b>	<b>10</b>	<b>5</b>	<b>5</b>	<b>4</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG		1								
BZ							1			
CL						1				
ES	2	2		1	3	22	19	16		
FK			1				1	2		
FR						1	1	1		
HN					1	2	3			
IT				1	1	1	1			
JP	77	79	76	61	23	27	7	7	15	
KR	27	31	37	43	49	63	77	84	74	
PL	24	14	17	10	2	2				
PT					1		2	1		
TW	32	17	39	49	79	43	8	3	3	
UK						1				
UR						1				
	<b>162</b>	<b>144</b>	<b>170</b>	<b>165</b>	<b>159</b>	<b>164</b>	<b>120</b>	<b>114</b>	<b>92</b>	

## Licences

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CL	1	1		1	1	1	1	1	1	1
ES	23	21	8	11	13	11	9	7	3	
FK	1	2		1	1	2	5	8	7	
FR						1	1	1	1	
GR	2	2								
IT	5	2	1	1	1					
JP	1	1	1	2	2	2				
NA										1
NL	1	1								
NO			1							
PL	3	3	3	3	3	2				
PT	4	3	2	1	2	2	1	1	1	
SC										1
UK	5	1	1			1		1	1	
	<b>46</b>	<b>38</b>	<b>16</b>	<b>20</b>	<b>23</b>	<b>22</b>	<b>17</b>	<b>19</b>	<b>15</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	3	4								
CL				2	1	5	5			
FK	2									1
IS									1	1
KR					1		1	2	3	
NO								1	1	
PL	1	1								
RU							1			
UK	1									
US									1	
	<b>7</b>	<b>5</b>		<b>2</b>	<b>2</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>6</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
KR							4	5		
							4	5		

## Licences

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
ES									13	
FK									4	
IS									1	
NA									1	
PA									1	
										20

Table B.9 Licence 'R' (Skates and rays - second season) allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
ES							1			
HN						1	1	1		
KR						7	8	9	10	
PA						1		1		
						9	10	11	10	

Table B.10 Licence 'W' (Restricted finfish - first season) allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG					2					
CL								1	1	
ES			1	11	11	16	15	16		5
FK							2	6	1	
FR								1		
HN					2	2	1			
IS									1	
IT						1	1			
JP						1	3	1	1	
KR						8	2			
NA									1	
PA					1	1	1	1		
PL		10		5		1	2	1		
PT							2	1		
	11		16	14	30	30	30	29	10	

## Licences

Table B.11 Licence 'X' (Patagonian squid - second season) allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>CL</b>					1	1	1	1		
<b>ES</b>	11	15	17	20	22	19	11	10	7	
<b>FK</b>	2	1	1	1	2	3	6	9	9	
<b>FR</b>						1	1	1	1	
<b>GR</b>	2	1								
<b>IT</b>	2	1	1	1	2					
<b>JP</b>	5	2			2	2	2	2	2	
<b>PT</b>				1	1	1	1			
<b>SC</b>									1	
<b>UK</b>	1						1	1	1	
	<b>23</b>	<b>20</b>	<b>19</b>	<b>23</b>	<b>30</b>	<b>27</b>	<b>23</b>	<b>24</b>	<b>21</b>	

Table B.12 Licence 'Y' (Unrestricted finfish - second season) allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>BG</b>	6	2	2	1						
<b>CL</b>				3						
<b>ES</b>	48	13	12	3	3	7	5	3	4	
<b>FK</b>	1			1	1	2	3	2	6	
<b>FR</b>						1				
<b>GR</b>	1									
<b>IT</b>				1						
<b>JP</b>	8				1					
<b>KR</b>	3	1								
<b>PA</b>			1							
<b>PT</b>		1		1						
<b>UK</b>	3						1	1	1	
	<b>70</b>	<b>17</b>	<b>15</b>	<b>10</b>	<b>5</b>	<b>10</b>	<b>9</b>	<b>6</b>	<b>11</b>	

Table B.13 Licence 'Z' ( Restricted finfish - second season) allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>BG</b>		5	6	6						
<b>CL</b>							1	1	1	
<b>ES</b>		10	16	17	20	27	36	16	18	
<b>FK</b>							1	8	4	
<b>HN</b>			2	3	3	2	2	1		
<b>IT</b>					1	1				
<b>JP</b>					2	3	1	1	1	
<b>KR</b>			5	12	10	9	14	12	11	
<b>PA</b>			4	4	2	1	1	1		
<b>PL</b>	24	20	7	3	3	3	2	1		
<b>PT</b>						1	2	1		
<b>SC</b>									1	
<b>SL</b>				1	1	1				
<b>UK</b>					1			1		
	<b>24</b>	<b>35</b>	<b>40</b>	<b>46</b>	<b>43</b>	<b>48</b>	<b>60</b>	<b>43</b>	<b>36</b>	

## Licences

Table B.14 Annual revenue (Pounds sterling) by licence type

LICENCE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
A	537775	485949	300154	191586	119854	125624	61008	63211	65005	
B	22723027	20698011	20961399	20865023	14301237	17440342	10867548	12176224	12189748	
C	4028578	5077665	3286308	2904346	3558704	3305953	3473536	3915269	3489634	
E	3000	1000		12308	12303	163607	196725	107022	180956	
F						74214	117243			
G								654702		
R						140664	431363	446767	429579	
W			113412	169895	206682	413290	500679	842504	590818	
X	377917	613764	572085	959803	1466992	2046655	2173149	2297557	1745260	
Y	939594	291531	285700	187767	199798	180825	164690	174748	284846	
Z	391332	774666	841843	1222974	1207635	1335812	1920068	1536543	1474175	
	<b>29001223</b>	<b>27942586</b>	<b>26360901</b>	<b>26513702</b>	<b>21073205</b>	<b>25152772</b>	<b>19862980</b>	<b>21677088</b>	<b>21104723</b>	

### Catch summary tables

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

VESSEL TYPE	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
CO	32109	59069	46211	27896	17669	1151	4807	3222	1569	811
JL	119423	195476	94743	160754	149557	144189	62874	62717	73128	150732
LO					131	10	2855	1901	992	1241
TR	164926	172270	143561	115853	147601	106257	126262	177332	119303	77542
	<b>316458</b>	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>

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

SPECIES	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
BAC	5095	2814	2778	2880	7055	6224	4043	9084	6925	4649
BLU	47583	43468	72326	50491	34078	24900	38697	39154	23539	26296
ILL	209529	224022	102417	174745	160016	145185	66996	64122	79724	149763
KIN	1944	977	850	949	1952	1643	899	1985	1682	1392
LOL	53931	118720	82990	53817	83384	52279	65757	98417	61374	26122
MAR	55	0	4	141	1	33	0	5803	111	2099
OTH	50872	5036	1989	2317	1192	890	423	1514	2015	916
PAT	1496	16480	11900	6759	4070	3029	1414	1988	1649	1554
RAY	118	1749	1500	6923	8108	8523	5542	5432	3475	3320
TOO	12209	236	208	980	912	393	2963	2069	685	1208
WHI	11521	13313	7553	4499	14188	8506	10064	15603	13813	13006
	<b>394353</b>	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>

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

MONTH	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
January	1228	2475		5128	5217	3723	9149	7810	5217	7918
February	23343	30652	26620	19493	21028	6789	13273	28800	15782	8660
March	90916	89952	74890	88553	96826	39900	52894	46084	49887	29199
April	117569	131835	56338	83954	79745	79365	27654	49391	48971	60718
May	58466	73998	28475	32258	24303	51777	18914	21514	19526	68234
June	16659	11913	1017	112	107	437	2002	1786	1211	10474
July	13485	5265	2437	2538	223	1577	2172	2937	1418	2625
August	24721	24987	13196	14895	22415	20227	18151	25736	16451	10019
September	22355	26143	33653	21075	26933	16111	19569	25540	13562	8668
October	12170	14221	17836	13123	19839	11891	16105	14486	8315	7960
November	5314	8909	19119	9832	10736	11056	8805	11881	7406	8381
December	8127	6463	10934	13542	7585	8751	8111	9205	7245	7470
	<b>394353</b>	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>

### Catch summary tables

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

<b>GRT</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
<400		315	934	6631	9156	3674	3722	4016	3735	1727
400–599		19259	11811	6616	14171	14271	11196	13867	13617	16175
600–799		69869	33900	59024	65777	85612	41825	47630	51899	97294
800–999		60068	32447	50871	54751	37703	19779	15092	14467	15853
1000–1499		125705	77599	93410	87831	49615	44662	63921	34746	53422
1500–1999		34186	32057	20163	21591	14878	17588	27601	19983	7180
2000–2999		106642	86211	65101	56468	32070	30168	47252	29808	11607
≥3000		10771	9556	2686	5213	13783	27858	25793	26735	27067
	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>	

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

<b>LOA</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
<45		5435	2950	2607	1214	1981	2393	2316	2463	1579
45–49		22536	14797	23950	34406	32419	29782	38782	40247	67856
50–54		42713	20847	29609	46291	52554	29182	30258	32307	45221
55–59		59001	21967	34892	43111	38374	14250	14600	15284	20103
60–64		43152	27377	32983	40178	29560	21090	25828	19851	16086
65–69		42987	28081	49846	39942	24176	17434	24499	13365	23579
70–79		101600	73080	69724	54580	34071	32451	53041	33442	22883
80–89		83184	76577	49293	40295	17226	12417	17465	6172	4037
≥90		26206	18840	11598	14941	21245	37799	38382	31860	28981
	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>	

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

<b>BHP</b>	<b>1988</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>
<1000		3453	2137	2952	3762	4017	2826	3464	2818	210
1000–1199		19335	7475	8373	11659	14734	9793	11768	10134	12327
1200–1399		37309	21056	30060	30173	30508	18030	18130	22848	43657
1400–1599		51817	20340	41733	47786	59813	23076	25317	25885	52221
1600–1799		47923	20527	33231	29280	17862	9067	14119	16921	22907
1800–1999		55222	46285	58557	60297	37632	27525	28937	19194	33048
2000–2499		52291	31275	32285	44930	27467	30073	43307	23274	18759
2500–2999		65483	56623	38062	34065	13601	16140	13625	9377	5466
3000–3999		70925	58277	49805	36960	24366	23343	44894	30821	10739
≥4000		23056	20520	9445	16045	21606	36924	41610	33718	30992
	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>	

### Catch summary tables

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

Fishing fleet	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
BG		13503	22369	21888	8981	2976				
BZ								585		
CL	1347	1150	1884		3145	1514	5223	9997	6638	8199
ES	84460	82345	65908	57605	87763	58143	67191	89284	40842	20510
FK		781	5853	1470	1846	1978	5906	27184	31520	17117
FR							1945	7369	4600	1545
GR	2822	4960	3121							
HN				1712	2761	3681	2976	2833	850	
IS									214	268
IT	3656	10391	4547	2409	2923	2142	1181	218		
JP	106322	125567	60028	93652	68325	39510	39916	25583	24870	46060
KR	39152	51133	32996	61614	72489	65228	42987	63236	73861	129546
NA										303
NL	1475	4587	3369							
NO			1384						319	210
PA				2425	4027	1060	598	459	706	
PL	103177	74039	64765	43878	32996	12442	11178	8861	3262	
PT	9848	9143	6430	3268	1548	1809	2512	5157	1052	
RU							39			
SC										1252
SL	33229				1150	822	373			
TW	8865	37529	10479	12590	27002	59853	13497	2323	1901	3013
UK		11685	1383	1992		445	1255	2083	4357	2302
UR							21			
	<b>394353</b>	<b>426814</b>	<b>284516</b>	<b>304503</b>	<b>314957</b>	<b>251605</b>	<b>196798</b>	<b>245172</b>	<b>194991</b>	<b>230326</b>

*Salilota australis* - Red cod

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	51	39	44	504		87	164	16	100	
TR	2763	2740	2835	6551	6224	3955	8920	6909	4549	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January			50	76	175	217	33	141		
February	15	125	229	442	302	273	101	115	203	
March	4	422	478	334	240	189	354	1071	289	
April	153	537	303	327	414	288	411	996	176	
May	22	414	33	31	561	110	509	289	98	
June	9	62	7	24	144	52	46	116		
July	340	237	225	26	123	80	422	179	759	
August	530	197	307	1046	605	252	1046	552	418	
September	1042	261	235	1568	772	645	2398	959	920	
October	697	296	599	2056	1300	1317	2199	2038	1303	
November	2	146	330	1116	1291	468	811	382	439	
December		81	85	10	297	151	754	87	43	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	4									
CL		1		14	66	9	4	18	1	
ES	2441	2460	2293	4168	4084	3061	5979	3500	2503	
FK	3	4	56	32	69	100	1530	2033	817	
FR					16	21	31	25		
GR	56	10								
HN			125	394	374	107	108	189		
IS									4	
IT	5	8	14	80	304	176	14			
JP	81	54	6	11	87	52	85	65	29	
KR	86	45	253	1462	843	417	1072	840	1154	
NA								20		
NL		0								
NO		3								
PA			108	658	101	8	90	93		
PL	34		1	1	3			0		
PT	18	190	21	36	21	40	165	138		
RU					0					
SC									56	
SL				199	131	51				
UK	85	3	3		140	6	17	18	41	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

*Salilota australis* - Red cod

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	66		299	1013	356	111	201	188	100	
400–599	15	237	100	444	797	242	493	211	75	
600–799	35	61	127	517	792	628	791	485	676	
800–999	736	475	650	1370	923	801	1935	1222	627	
1000–1499	1119	665	621	1153	1900	1698	2424	2162	2513	
1500–1999	431	1181	690	2090	799	271	1727	1071	255	
2000–2999	348	127	387	456	570	239	1428	1520	374	
≥3000	63	33	6	11	87	52	85	65	29	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	1	145	145	195	415	129	42		9	
45–49	458	396	271	426	632	961	1816	894	317	
50–54	264	286	703	1964	1792	877	1150	1279	1269	
55–59	87	44	251	912	527	155	933	868	1025	
60–64	678	220	130	986	343	396	1157	605	605	
65–69	267	513	212	473	467	211	1151	515	302	
70–79	699	988	905	1681	1658	1136	2583	2403	1043	
80–89	235	149	204	376	264	107	132	232	34	
≥90	125	37	58	42	127	69	120	130	46	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

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

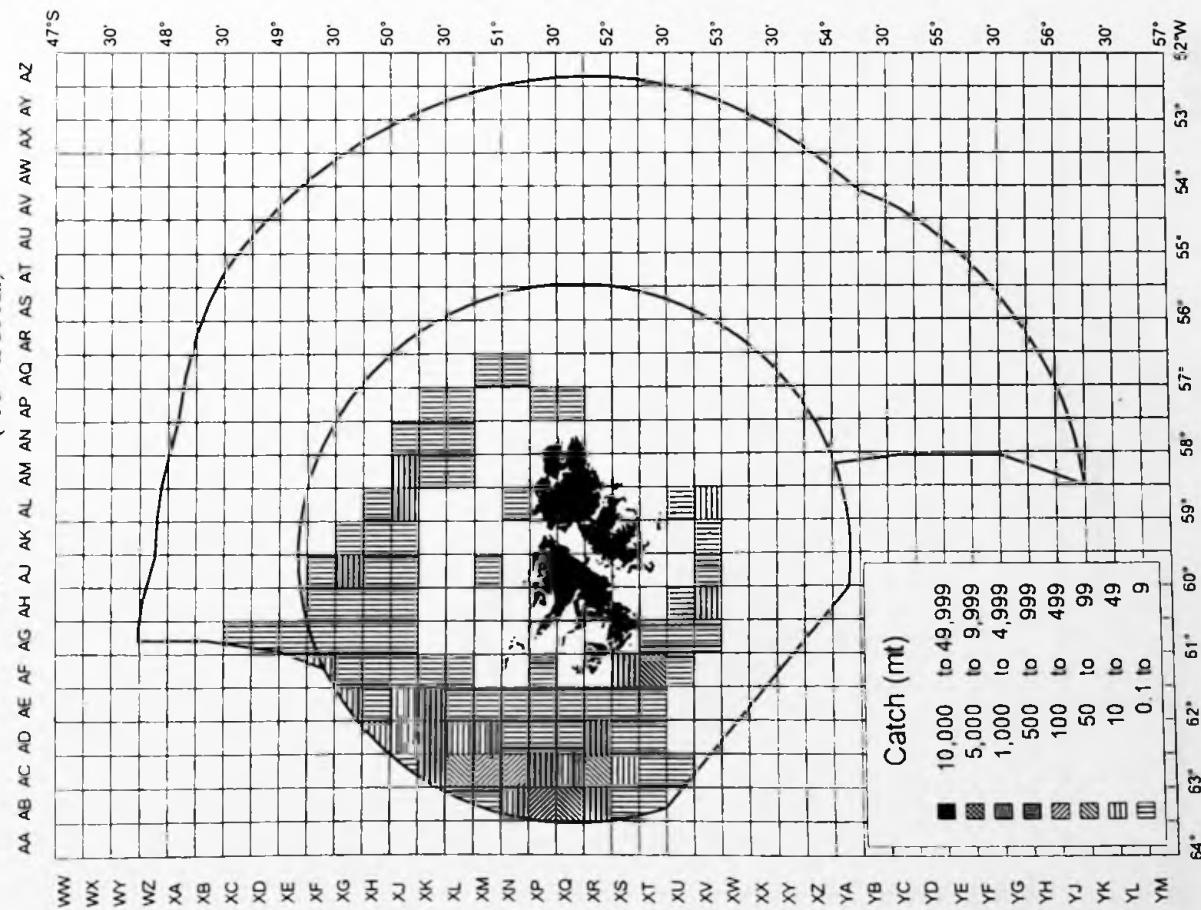
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					140	7	3	4		
1000–1199	2	70	142	238	179	387	350	63		
1200–1399	185	183	314	286	274	79	193	185	132	
1400–1599	434	485	260	161	993	657	1383	631	545	
1600–1799	115	124	14	250	23	63	261	253	155	
1800–1999	732	212	303	933	1036	1479	2134	1601	1769	
2000–2499	628	1103	774	3443	1878	723	2610	1928	977	
2500–2999	236	243	477	1170	977	332	595	496	622	
3000–3999	290	257	391	156	507	188	1340	1540	373	
≥4000	191	102	205	418	216	128	215	223	75	
	<b>2814</b>	<b>2778</b>	<b>2880</b>	<b>7055</b>	<b>6224</b>	<b>4043</b>	<b>9084</b>	<b>6925</b>	<b>4649</b>	

1995

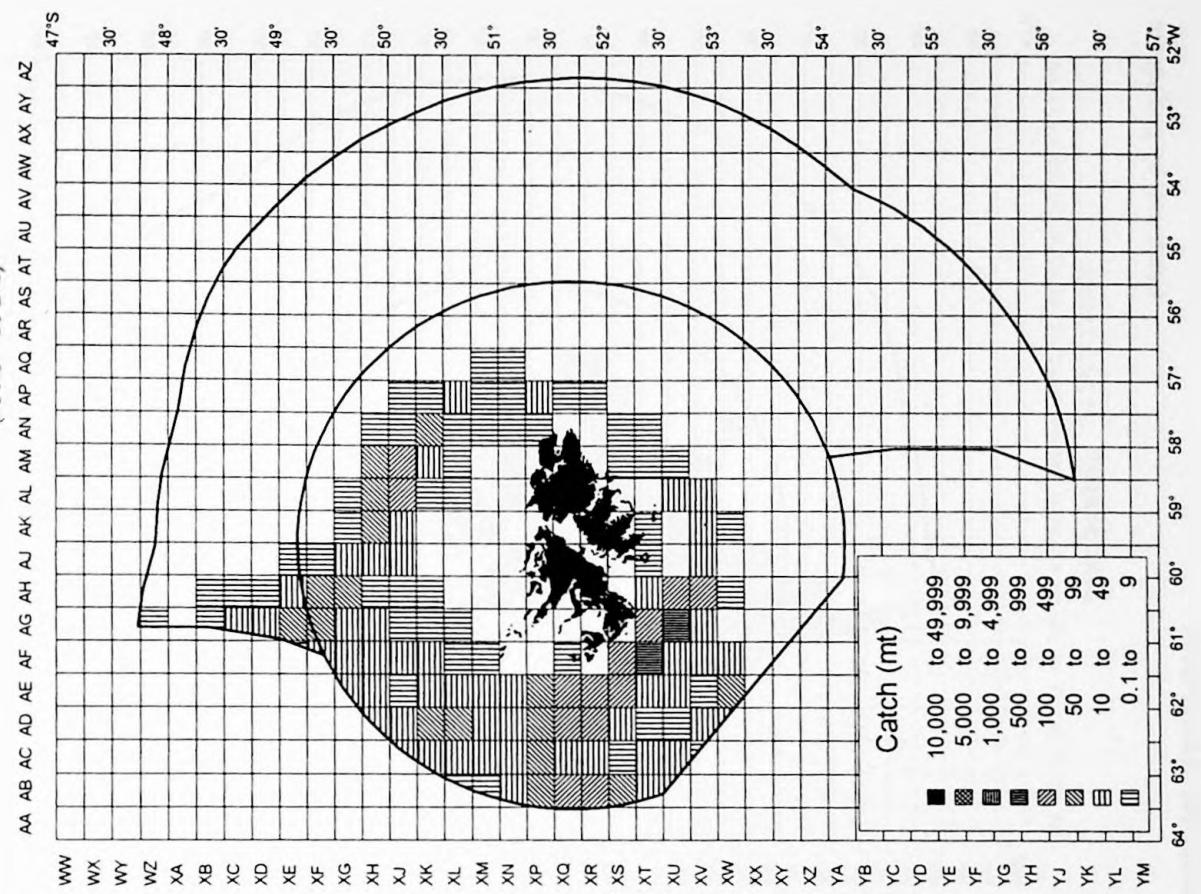
## *Salilota australis*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)

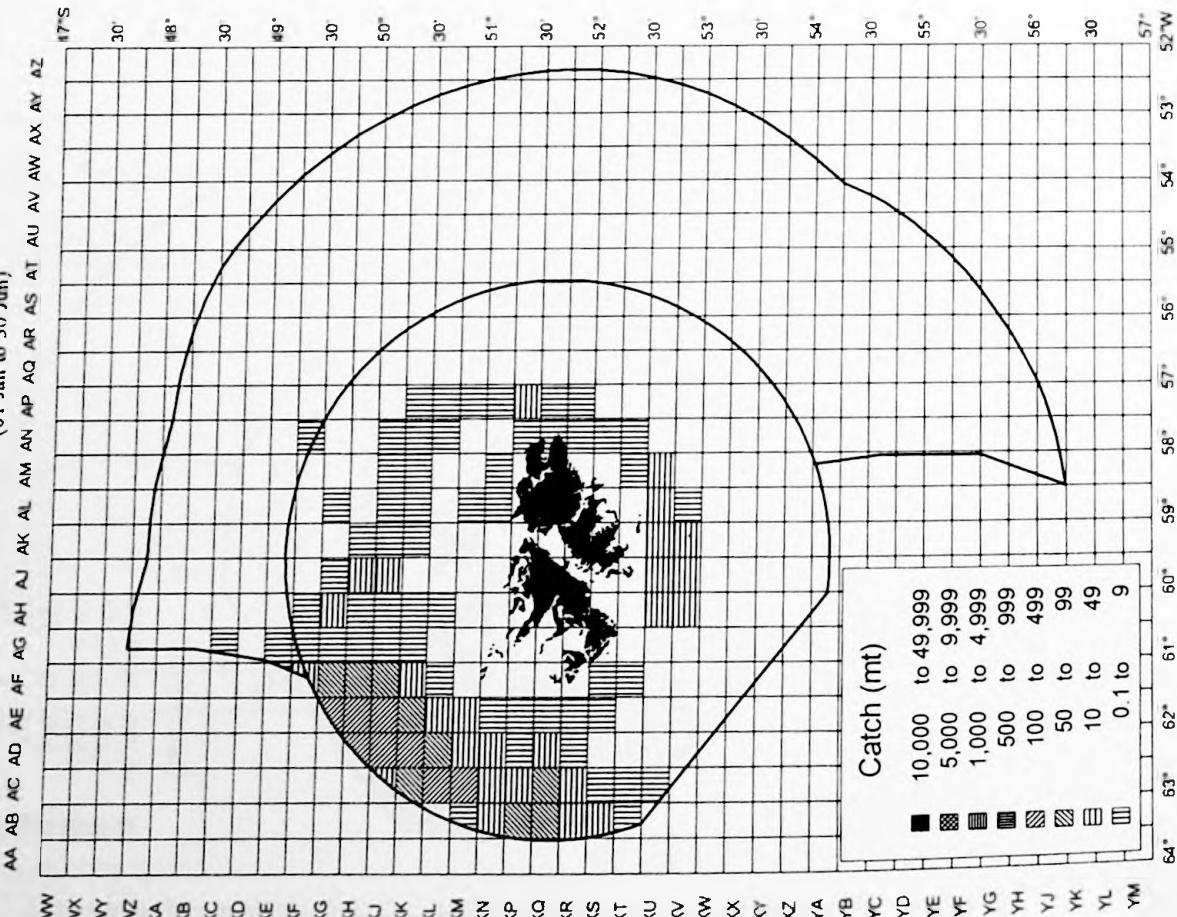
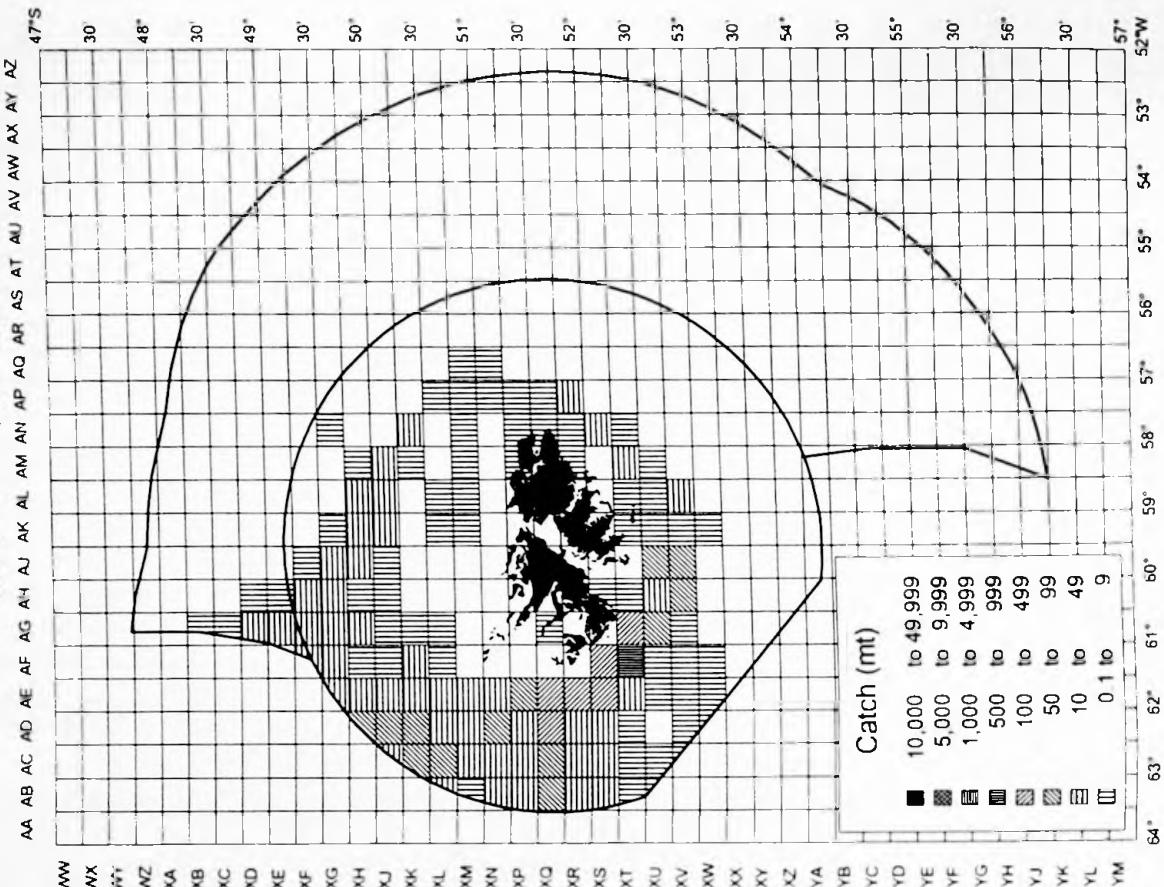


### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

### *Salilota australis* - Red cod

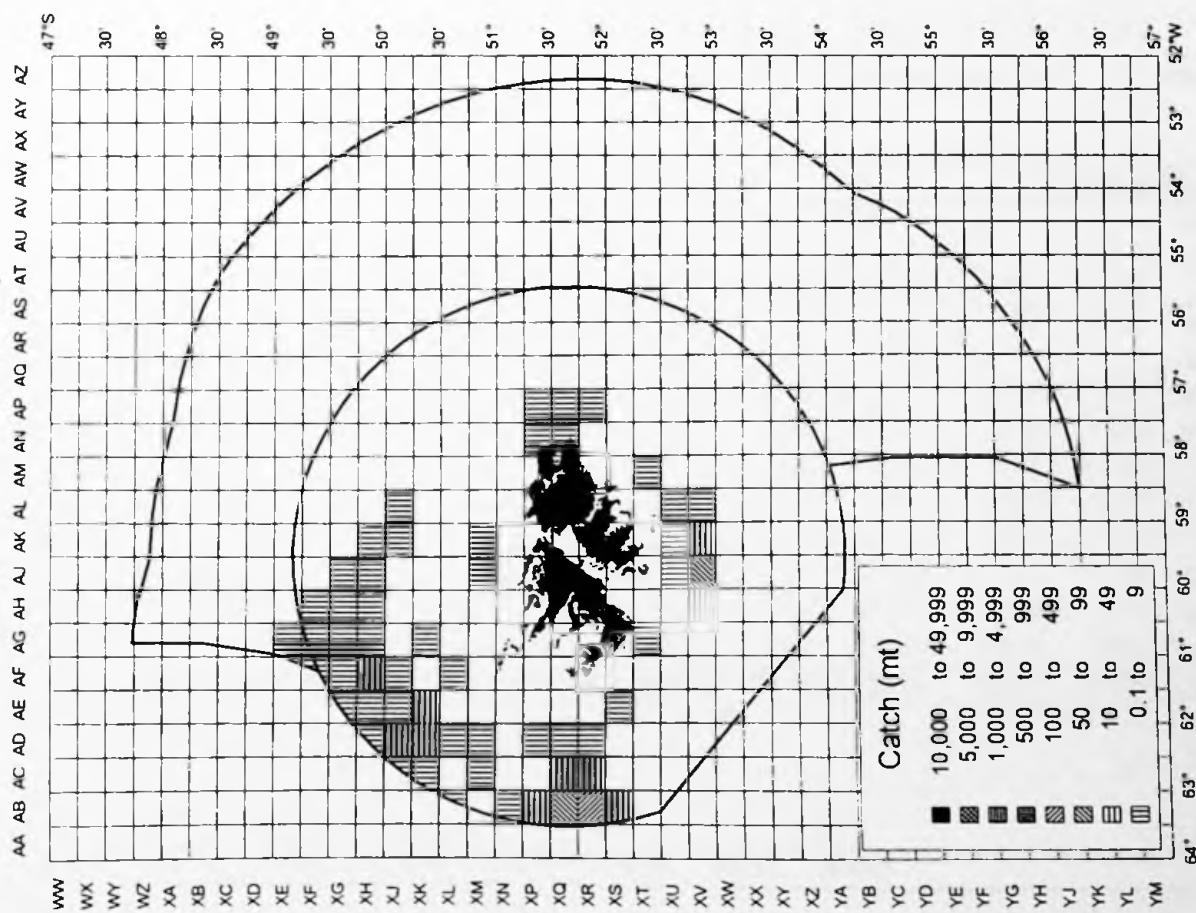
**1st Season (01 Jan to 30 Jun)****2nd Season (01 Jul to 31 Dec)**

1997

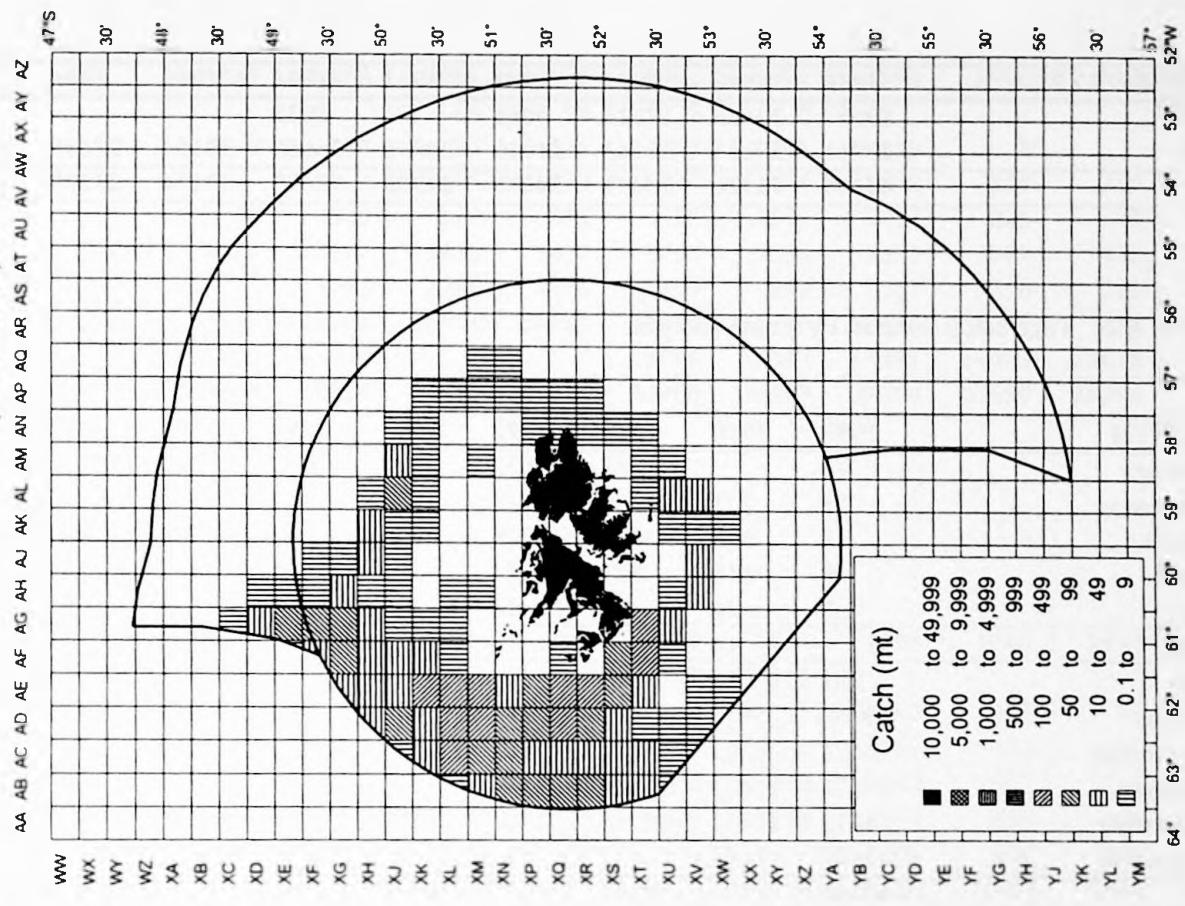
## *Salilota australis*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

*Salilota australis* - Red cod

*Micromesistius australis* - Southern blue whiting

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	19557	34663	12328	3068		2032				
TR	23911	37664	38163	31010	24900	36665	39154	23539	26296	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January	43		4632	4632	2997	7031	7303	4735	7446	
February	59	231	4716	4029	2150	2179	3578	3712	5359	
March	1	546	687	1908	876	71	1100	664	270	
April	19	618	527	1343	391	45	211	163	37	
May	3	86	27	14	345	2954	70	21	19	
June		14		1	1	286	2	14		
July	351	18	20	0	1	4	1	6	0	
August	10960	5173	1828	641	844	860	1958	665	78	
September	15678	26202	14801	7487	3548	4359	5314	1875	465	
October	10473	12663	5566	3684	1051	7401	3966	603	300	
November	4413	18131	5296	2991	5131	6760	9002	4831	5391	
December	1468	8643	12391	7349	7563	6747	6650	6250	6931	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	6824	19292	20357	8938	2976					
CL					0		4617	4188	7479	
ES	335	2722	5973	9862	4553	5259	10864	2460	1591	
FK			148	0	74	279	1616	1083	727	
FR						23	40	86		
GR	44	0								
HN			49	43	19	7		3		
IS									19	
IT				149	302	344	56			
JP	3710	42			8796	22047	12864	12494	16340	
KR	1	8	1	122	6	43	10	10	2	
NA									83	
PA			40	24		1				
PL	32546	50189	23920	14911	8169	10537	8861	3098		
PT		72	3	1		135	196	10		
RU						19				
SL				29	2					
UK	8	1	0		2	4	30	108	56	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

***Micromesistius australis - Southern blue whiting***

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

<b>GRT</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<400			86	90	2	0		1		
400–599	0	173	54	575	132	303	239	3		
600–799		8	75	349	327	471	1038	408	350	
800–999	12	862	157	353	80	176	1724	221	8	
1000–1499	8221	20877	11430	3437	1766	3536	4281	1889	1476	
1500–1999	1	1192	2319	4385	1199	852	3767	556	211	
2000–2999	31535	49165	36371	24889	12599	11312	10625	1059	431	
≥3000	3700	48			8796	22047	17481	19403	23819	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

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

<b>LOA</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<45		2	114	254	47	288				
45–49	10	662	139	570	134	295	2083	255	99	
50–54	1	364	606	471	688	1070	291	232	179	
55–59	3	19	14	104	40	124	1333	1012	792	
60–64	1	88	255	1076	833	1218	2253	638	145	
65–69	3	430	576	860	112	670	2002	205	133	
70–79	8221	21725	13718	6127	2562	2108	4521	1268	1044	
80–89	28565	47659	31852	22643	8393	5737	4465	390	62	
≥90	6663	1377	3216	1974	12092	27187	22206	19538	23843	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

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

<b>BHP</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<1000					2	4	2	12		
1000–1199			105	194	64	76	774			
1200–1399	0	484	41	589	98	113	251	301	119	
1400–1599	2	557	139	204	388	460	1527	130	233	
1600–1799		7	35	186	1	218	946	383	67	
1800–1999	27	285	600	1519	1311	2592	3994	1429	1130	
2000–2499	3157	7380	2515	3220	1331	1564	3241	437	224	
2500–2999	23419	36945	15517	7288	311	2341	245	201	198	
3000–3999	13246	26619	30700	18317	12056	8944	10438	3826	446	
≥4000	3617	50	839	2562	9339	22386	17738	16821	23879	
	<b>43468</b>	<b>72326</b>	<b>50491</b>	<b>34078</b>	<b>24900</b>	<b>38697</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

*Micromesistius australis* - Southern blue whiting

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400						0				
800-999				3						
1000-1499	8064	20493	10201	1817						
2000-2999	11474	14164	2128	1248		2032				
≥3000	20	6								
	<b>19557</b>	<b>34663</b>	<b>12328</b>	<b>3068</b>		<b>2032</b>				

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
50-54			4	27						
55-59					0					
70-79	8064	20495	10196	1794						
80-89	11473	14168	2128	1248		2032				
≥90	20									
	<b>19557</b>	<b>34663</b>	<b>12328</b>	<b>3068</b>		<b>2032</b>				

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
2000-2499	15991	23294	6684	2155		2032				
2500-2999	3543	11361	5645	913		0				
3000-3999	3	2								
≥4000	20	6								
	<b>19557</b>	<b>34663</b>	<b>12328</b>	<b>3068</b>		<b>2032</b>				

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400			86	90	2			1		
400-599	0	173	54	575	132	303	239	3		
600-799		8	75	349	327	471	1038	408	350	
800-999	12	862	157	349	80	176	1724	221	8	
1000-1499	157	384	1229	1620	1766	3536	4281	1889	1476	
1500-1999	1	1192	2319	4385	1199	852	3767	556	211	
2000-2999	20062	35001	34243	23641	12599	9280	10625	1059	431	
≥3000	3680	42			8796	22047	17481	19403	23819	
	<b>23911</b>	<b>37664</b>	<b>38163</b>	<b>31010</b>	<b>24900</b>	<b>36665</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

*Micromesistius australis* - Southern blue whiting

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		2	114	254	47	288				
45–49	10	662	139	570	134	295	2083	255	99	
50–54	1	364	602	444	688	1070	291	232	179	
55–59	3	19	14	104	40	124	1333	1012	792	
60–64	1	88	255	1076	833	1218	2253	638	145	
65–69	3	430	576	860	112	670	2002	205	133	
70–79	157	1229	3522	4333	2562	2108	4521	1268	1044	
80–89	17092	33492	29724	21395	8393	3705	4465	390	62	
≥90	6643	1377	3216	1974	12092	27187	22206	19538	23843	
	<b>23911</b>	<b>37664</b>	<b>38163</b>	<b>31010</b>	<b>24900</b>	<b>36665</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

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

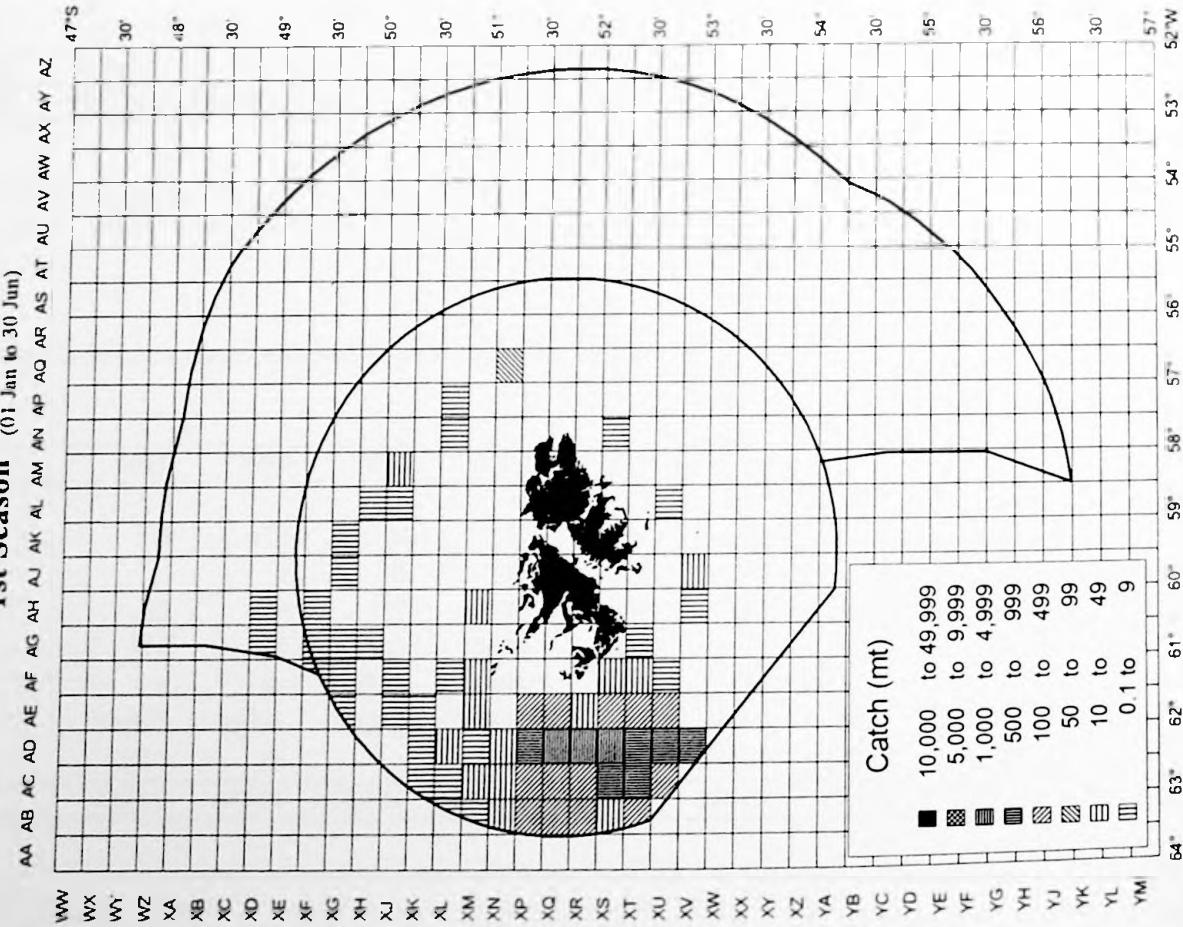
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					2	4	2	12		
1000–1199			105	194	64	76	774			
1200–1399	0	484	41	589	98	113	251	301	119	
1400–1599	2	557	139	204	388	460	1527	130	233	
1600–1799		7	35	186	1	218	946	383	67	
1800–1999	27	285	600	1519	1311	2592	3994	1429	1130	
2000–2499	3157	4662	1711	3193	1331	1564	3241	437	224	
2500–2999	3885	5008	3992	4247	311	309	245	201	198	
3000–3999	13243	26619	30700	18317	12056	8944	10438	3826	446	
≥4000	3597	42	839	2562	9339	22386	17738	16821	23879	
	<b>23911</b>	<b>37664</b>	<b>38163</b>	<b>31010</b>	<b>24900</b>	<b>36665</b>	<b>39154</b>	<b>23539</b>	<b>26296</b>	

1995

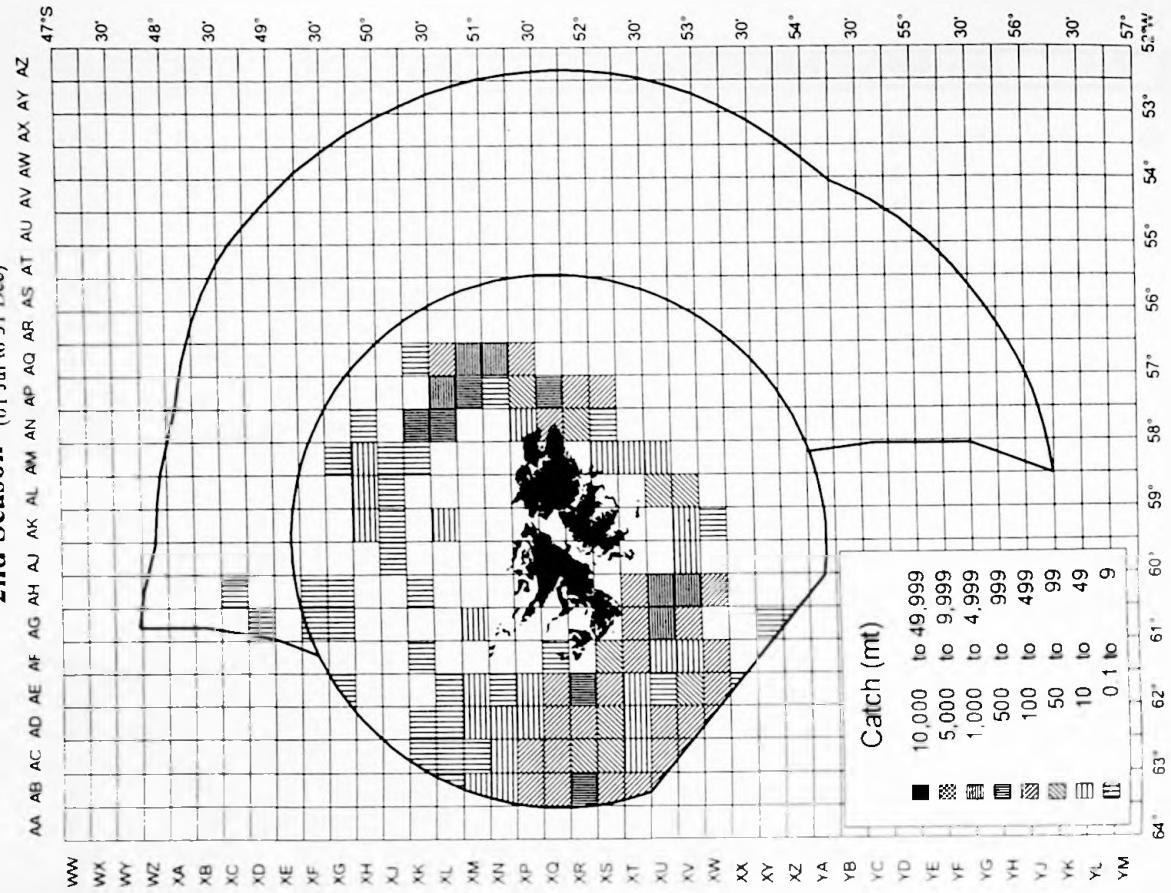
*Micromesistius australis*

Catch (mt) by grid square

**1st Season (01 Jan to 30 Jun)**



**2nd Season (01 Jul to 31 Dec)**



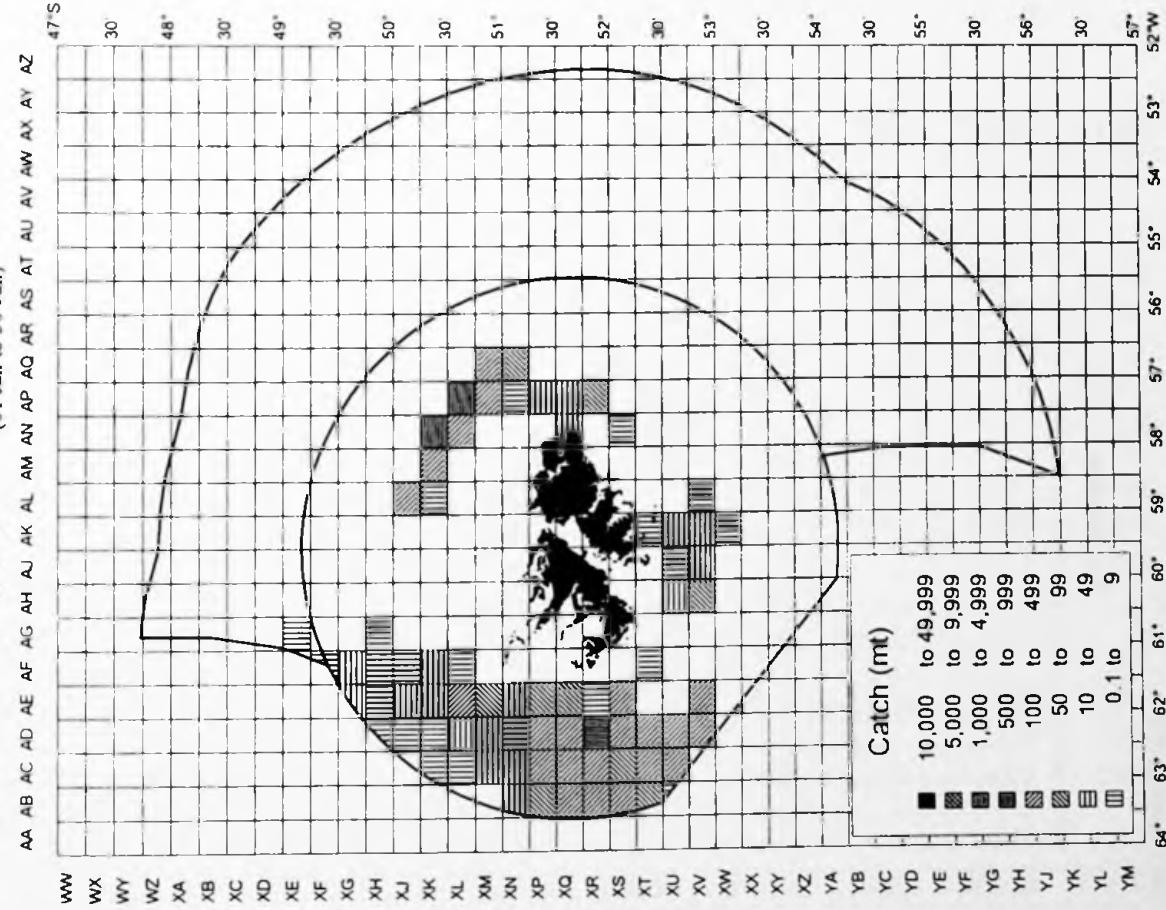
1996

## *Micromesistius australis*

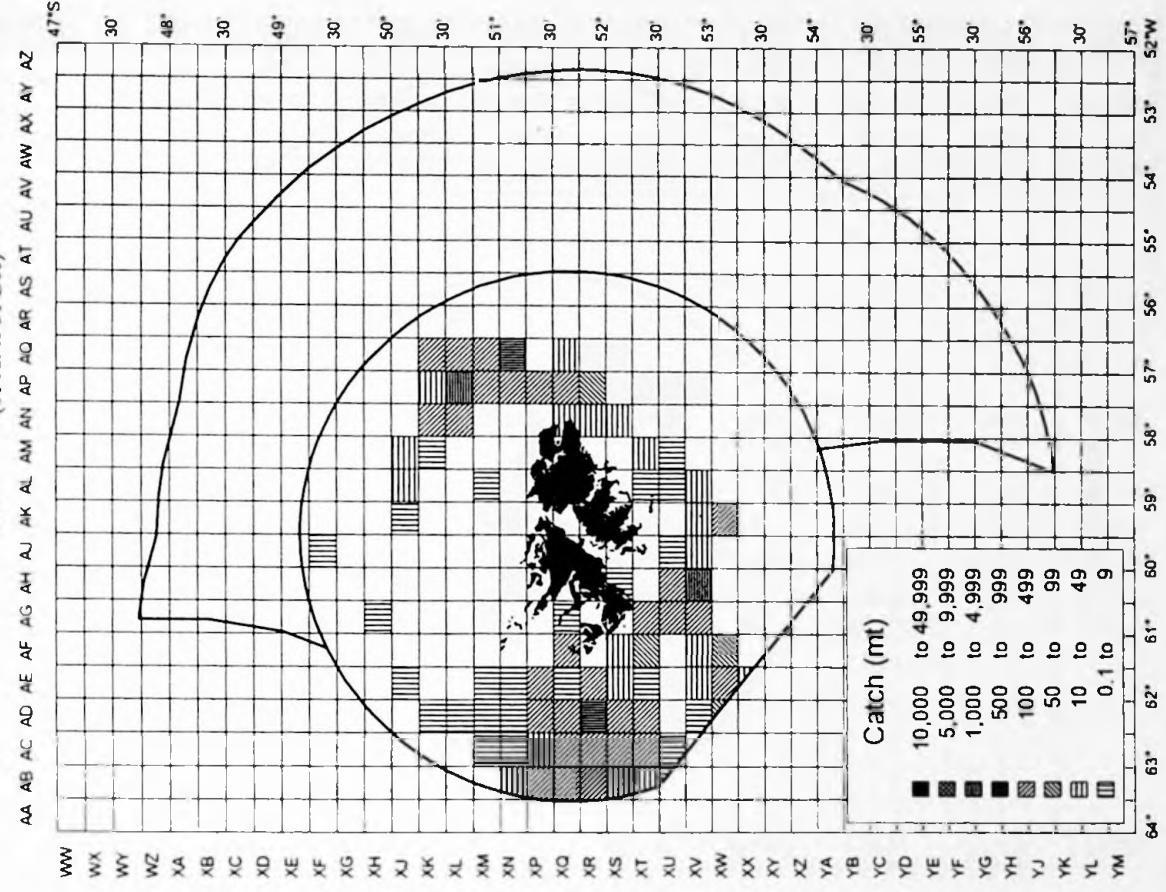
FICZ and FOCZ

Catch (mt) by grid square

### 1st Season (01 Jan to 30 Jun)

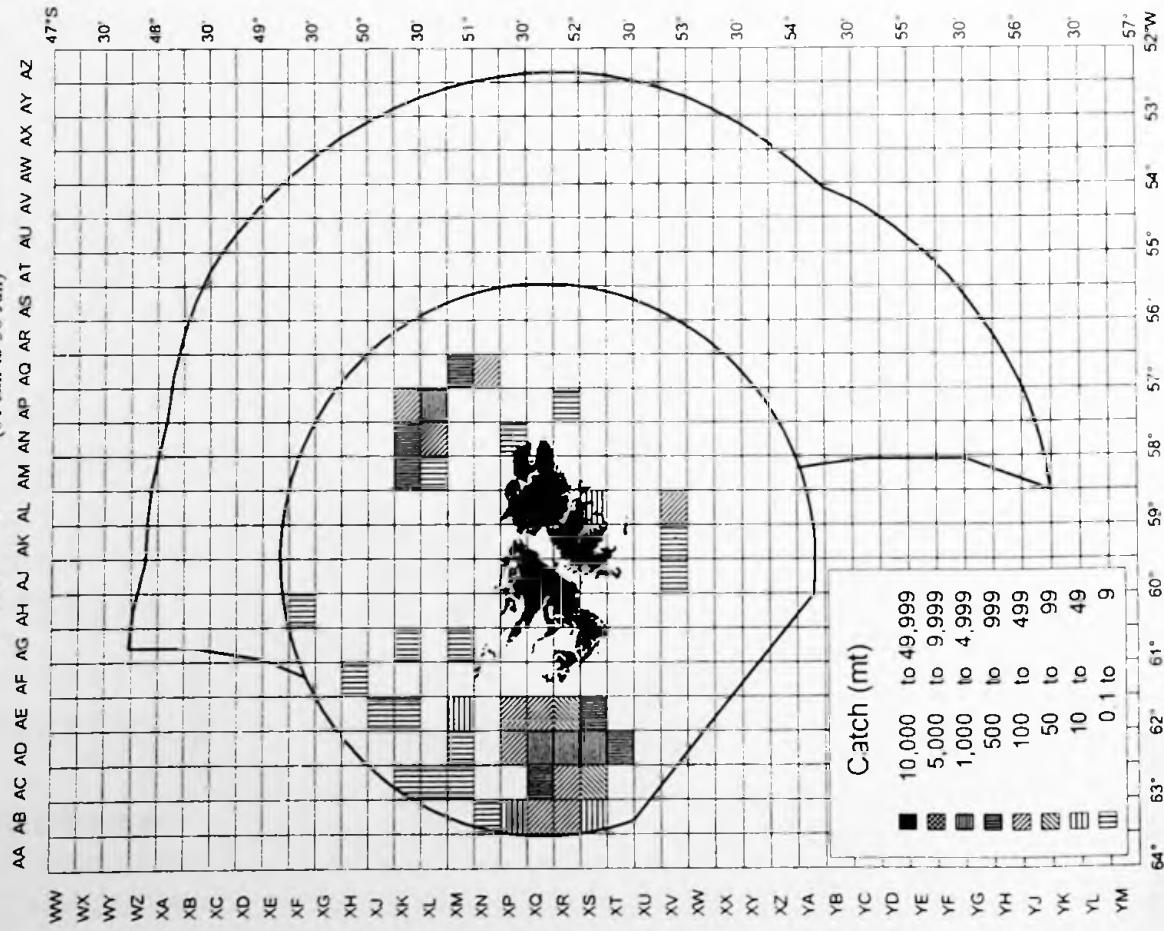


### 2nd Season (01 Jul to 31 Dec)

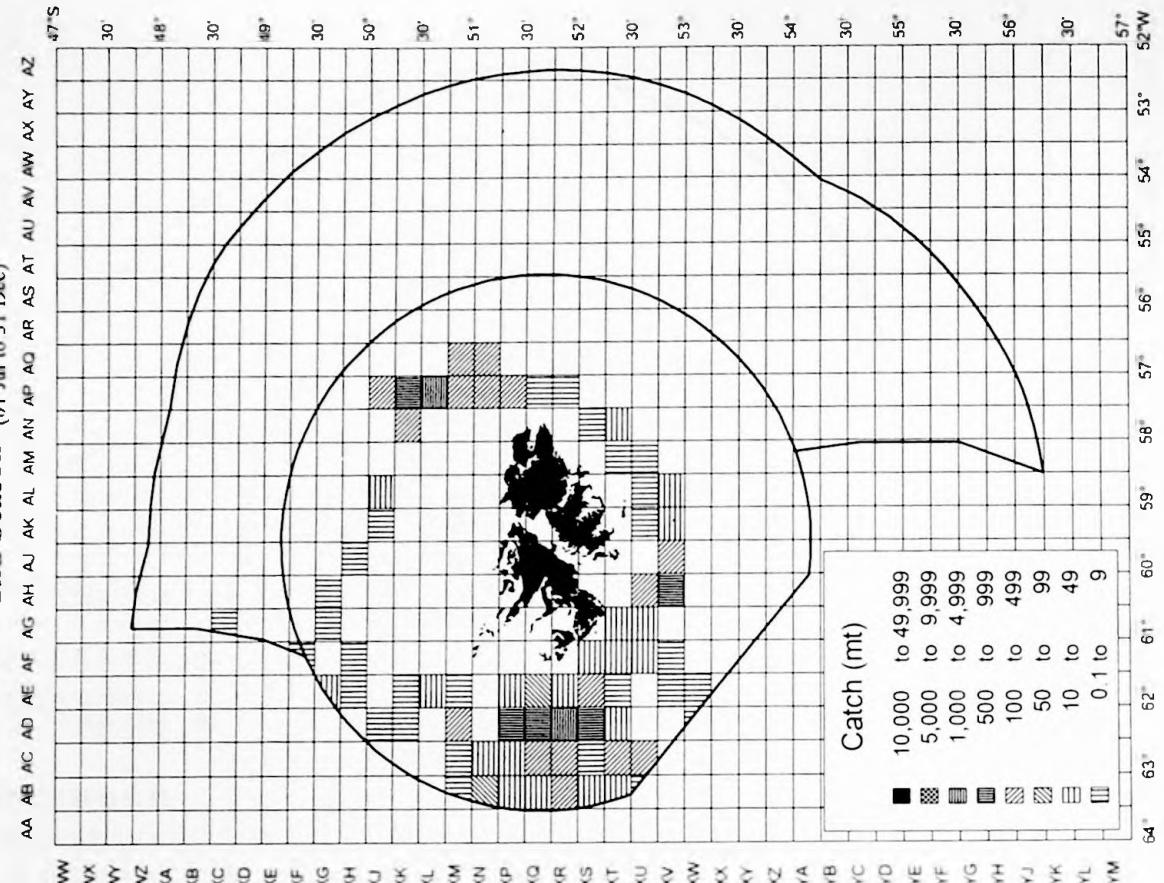


Catch (mt) by grid square

## 1st Season (01 Jan to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



***Illex argentinus - Illex squid***

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	24783	5019	11153	7465	5	868	576	1479		
JI	195476	94743	160616	149557	144189	62874	56914	73020	148633	
TR	3764	2655	2977	2994	992	3255	6632	5225	1130	
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January						0	2			
February	4	67	1360	50	18	97	6844	5087	5	
March	57138	48860	75881	79930	36330	44034	24296	37721	22507	
April	100261	36031	72602	67099	64887	16486	29121	30597	55143	
May	58065	17459	24898	12935	43942	6374	3858	6203	62088	
June	8555	0	3	1	8	4	0	116	10020	
July			0	0	0					
August			0							
September						1				
October	0					1				
December							1			
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG		342								
BZ							528			
CL	6	1		10	2					1
ES	2115	1232	1170	947	776	3021	3891	1628	281	
FK		6	128				351	195	37	
FR					106	23	28			
HN					582	1089	679			
IS									9	
IT	5		56	179	124	110	110			
JP	114551	54922	91023	63260	25727	12079	6313	8383	26311	
KR	49855	31953	58387	61346	58027	37076	50002	67395	120150	
NA										3
NL		0								
NO		2								
PL	19945	3438	11218	7250	90					
PT	14	24	132	24	4	4	176	193		
RU					1					
TW	37529	10479	12573	27002	59853	13497	2049	1901	2971	
UK	3	19	58							
UR					12					
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

*Illex argentinus* - Illex squid

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400		934	1823	505	447	1568	1028	1479		
400–599	10899	4844	4881	9658	10213	6246	9143	12541	15451	
600–799	67233	33075	57605	59231	76388	34561	36630	46349	91878	
800–999	47748	25773	43681	38054	30814	9165	4782	5974	10730	
1000–1499	73595	31385	59213	46146	27093	14941	8952	9520	30868	
1500–1999	4851	1180	502	519	55	500	1292	645	1	
2000–2999	15393	3619	6902	5756	175	3	353	35	37	
≥3000	4304	1606	138	147		12	1943	3179	799	
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	1350	19	1179		840	151	1978	1930	1032	
45–49	18491	11420	18764	21499	26738	19468	26950	36068	65537	
50–54	34176	16174	19778	23206	36882	14106	12230	19032	33449	
55–59	51754	18074	31110	31856	32841	10882	8154	7328	13910	
60–64	30015	14738	29258	25656	20622	9326	3243	4281	6750	
65–69	33942	19940	36613	31743	17910	8954	5151	4281	18271	
70–79	37394	17778	31021	20208	9242	4095	4473	3431	10015	
80–89	10388	3294	5892	4768	29		0	193		
≥90	6513	981	1131	1081	82	12	1943	3181	799	
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000	3453	2137	2952	3762	3571	866		760		
1000–1199	13010	4530	7124	6402	11305	6057	8425	9751	11932	
1200–1399	30248	16193	27776	25456	27466	15802	15272	20910	42079	
1400–1599	47300	18068	35023	40365	55064	19808	17719	23585	48513	
1600–1799	44404	19107	32681	28231	15653	8447	10043	12433	20526	
1800–1999	48771	30233	48338	39377	25958	11921	5909	4747	19461	
2000–2499	11647	5293	9869	9288	5865	3475	4104	3276	6406	
2500–2999	15128	3322	8826	5850	147	499	331	828		
3000–3999	5750	1346	1757	1019	135	121	376	255	46	
≥4000	4312	2187	400	266	21		1943	3181	799	
	<b>224022</b>	<b>102417</b>	<b>174745</b>	<b>160016</b>	<b>145185</b>	<b>66996</b>	<b>64122</b>	<b>79724</b>	<b>149763</b>	

*Illex argentinus* - Illex squid

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400						868	412	1479		
400–599	1854									
800–999			1229	1903			21			
1000–1499	6350	1180	5059	1667				142		
1500–1999	1164	468								
2000–2999	11112	2655	4865	3895	5					
≥3000	4304	717								
	<b>24783</b>	<b>5019</b>	<b>11153</b>	<b>7465</b>	<b>5</b>	<b>868</b>	<b>576</b>	<b>1479</b>		

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	0									
50–54	1854					368	274	653		
55–59			1229	1903		499	302	826		
70–79	10307	2184	5059	1667						
80–89	8318	2835	4865	3895	5					
≥90	4304									
	<b>24783</b>	<b>5019</b>	<b>11153</b>	<b>7465</b>	<b>5</b>	<b>868</b>	<b>576</b>	<b>1479</b>		

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1000–1200	0									
2000–2499	3421	550	2626	2572		368	417	653		
2500–2999	13569	2749	8527	4893	5	499	159	826		
3000–3999	3489	468								
≥4000	4304	1253								
	<b>24783</b>	<b>5019</b>	<b>11153</b>	<b>7465</b>	<b>5</b>	<b>868</b>	<b>576</b>	<b>1479</b>		

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400		934	1823	505	447	700	552			
400–599	8431	4825	4879	9658	9954	5941	8882	12310	15440	
600–799	67233	33075	57603	59203	76385	33812	36330	46176	91780	
800–999	47746	25748	42386	36110	30814	8918	4198	5826	10701	
1000–1499	67156	30161	53589	44081	26587	13502	6952	8708	30713	
1500–1999	3583									
2000–2999	1327		335							
	<b>195476</b>	<b>94743</b>	<b>160616</b>	<b>149557</b>	<b>144189</b>	<b>62874</b>	<b>56914</b>	<b>73020</b>	<b>148633</b>	

*Illex argentinus* - Illex squid

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	1350		1176		582		1717	1930	1021	
45–49	17877	11414	18697	21441	26738	18769	26350	35660	65509	
50–54	32322	16174	19606	23185	36861	13336	11631	18255	33354	
55–59	51754	18072	29881	29902	32841	10166	7528	6326	13778	
60–64	29995	14698	29171	25572	20584	8681	2512	4047	6750	
65–69	33849	19881	36278	31727	17584	8552	4687	3694	18244	
70–79	27002	14505	25472	17728	8999	3371	2489	3109	9977	
≥90	1327		335							
	<b>195476</b>	<b>94743</b>	<b>160616</b>	<b>149557</b>	<b>144189</b>	<b>62874</b>	<b>56914</b>	<b>73020</b>	<b>148633</b>	

Table F.12 Total catch (tonnes) of jiggers by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000	3453	2137	2952	3762	3571	866		760		
1000–1199	13009	4511	7120	6374	11305	5671	8332	9648	11932	
1200–1399	29635	16193	27776	25446	27466	15351	15104	20781	42074	
1400–1599	47300	18063	34899	40334	54803	19516	17128	23396	48381	
1600–1799	44386	19103	32681	28231	15653	8381	9873	12300	20526	
1800–1999	48769	30229	48111	39290	25916	10587	4535	4151	19314	
2000–2400	6070	4508	6742	6120	5475	2502	1943	1983	6405	
2500–2999	1527									
3000–3999	1327		335							
	<b>195476</b>	<b>94743</b>	<b>160616</b>	<b>149557</b>	<b>144189</b>	<b>62874</b>	<b>56914</b>	<b>73020</b>	<b>148633</b>	

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400							64			
400–599	614	19	1		259	305	261	231	11	
600–799			2	28	3	749	300	173	98	
800–999	1	25	66	41		247	563	148	30	
1000–1499	89	44	565	399	506	1438	1857	813	155	
1500–1999	105	712	502	519	55	500	1292	645	1	
2000–2999	2955	965	1702	1861	169	3	353	35	37	
≥3000	890	138	147			12	1943	3179	799	
	<b>3764</b>	<b>2655</b>	<b>2977</b>	<b>2994</b>	<b>992</b>	<b>3255</b>	<b>6632</b>	<b>5225</b>	<b>1130</b>	

*Illex argentinus* - Illex squid

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	0	19	3		259	151	261		11	
45–49	614	6	67	58		699	600	408	28	
50–54			172	20	20	402	325	124	95	
55–59		2	0	50		217	323	176	132	
60–64	19	40	87	84	38	645	731	234	1	
65–69	93	59	335	15	326	403	465	587	27	
70–79	85	1090	490	813	243	725	1984	322	37	
80–89	2069	459	1027	873	23		0	193		
≥90	883	981	796	1081	82	12	1943	3181	799	
	<b>3764</b>	<b>2655</b>	<b>2977</b>	<b>2994</b>	<b>992</b>	<b>3255</b>	<b>6632</b>	<b>5225</b>	<b>1130</b>	

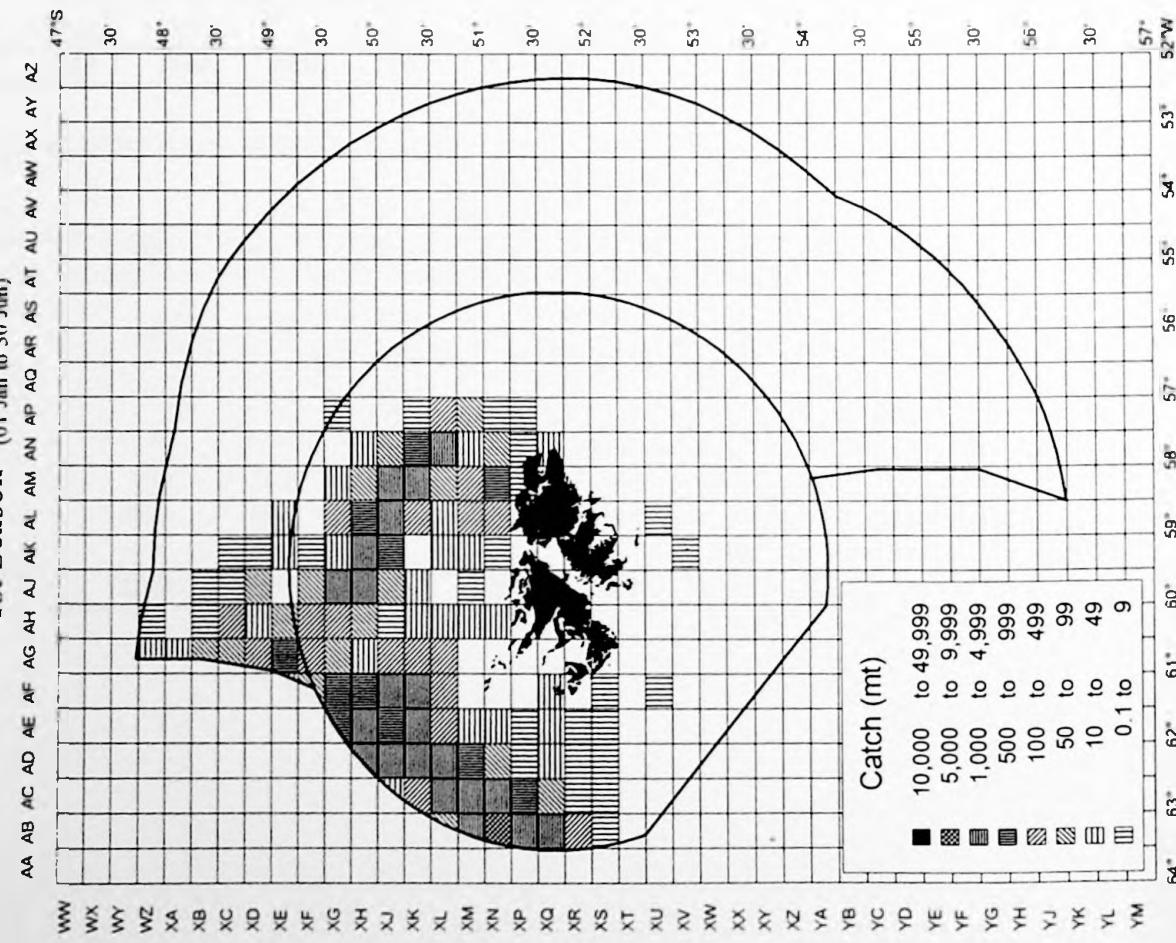
Table F.15 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
1000–1199	1	19	4	28		386	93	103		
1200–1399	613		0	11		451	169	128	5	
1400–1599	0	6	124	30	262	291	592	189	132	
1600–1799	18	4				66	170	132		
1800–1999	2	5	227	87	42	1334	1374	595	147	
2000–2499	2156	236	501	597	390	605	1744	639	1	
2500–2999	31	573	299	957	142		172	2		
3000–3999	934	879	1422	1019	135	121	376	255	46	
≥4000	8	934	400	266	21		1943	3181	799	
	<b>3764</b>	<b>2655</b>	<b>2977</b>	<b>2994</b>	<b>992</b>	<b>3255</b>	<b>6632</b>	<b>5225</b>	<b>1130</b>	

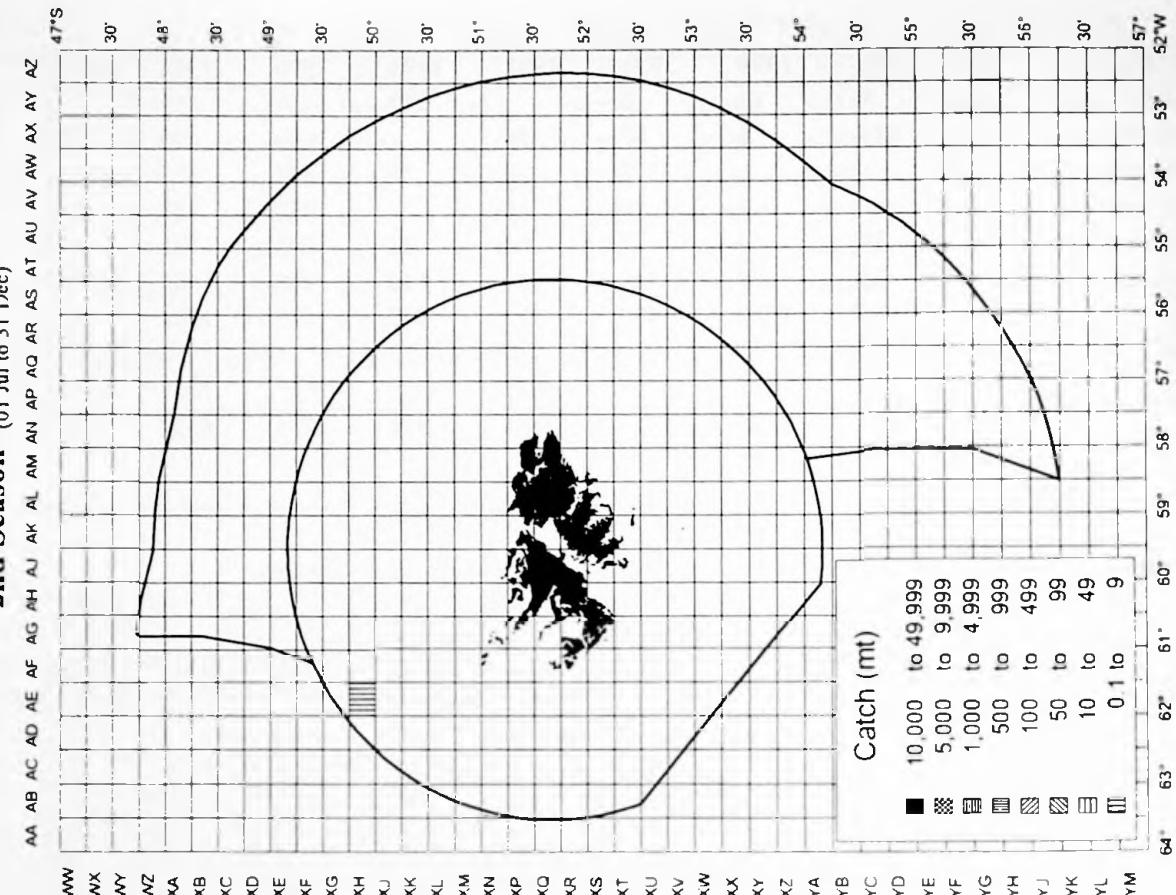
# 1995 *Illex argentinus*

FICZ and FOCZ

## 1st Season (01 Jun to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

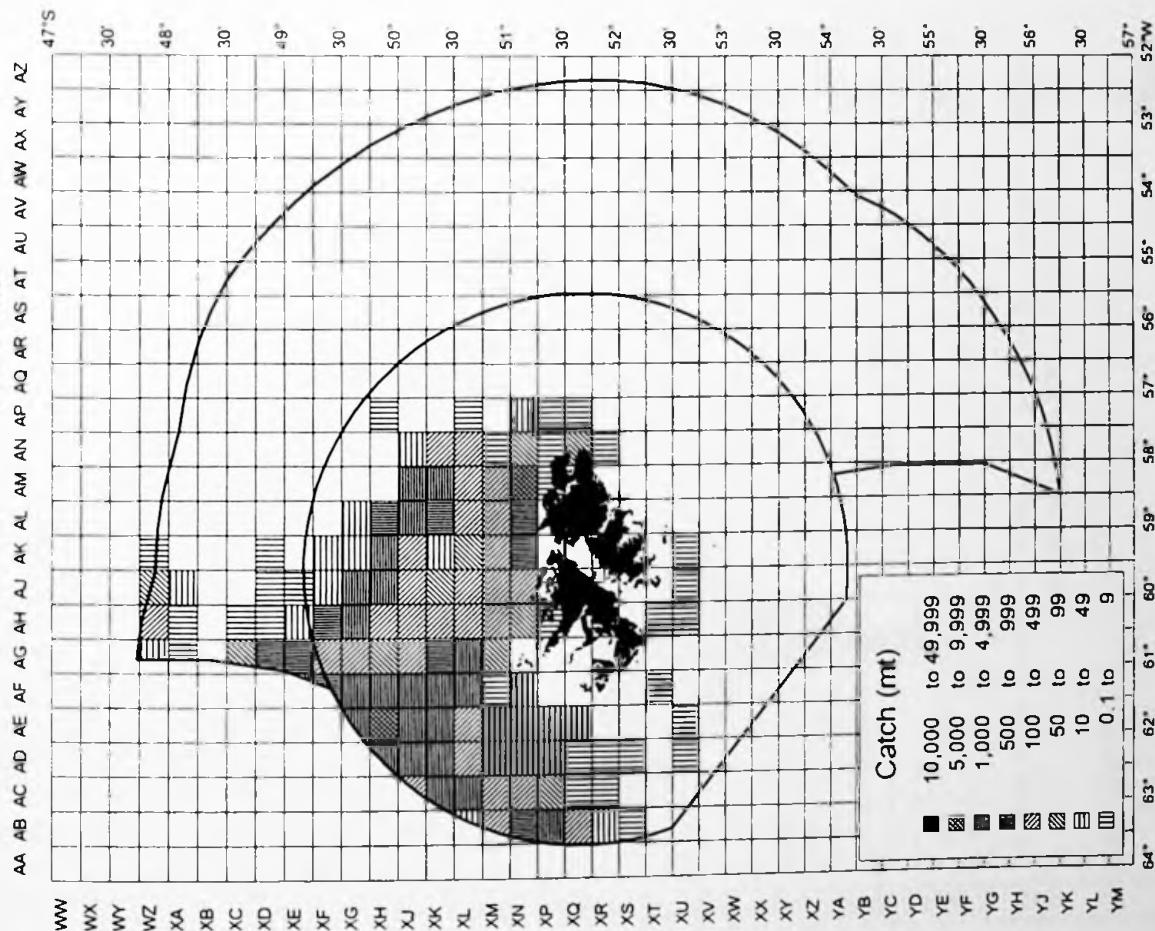
1996

## *Illex argentinus*

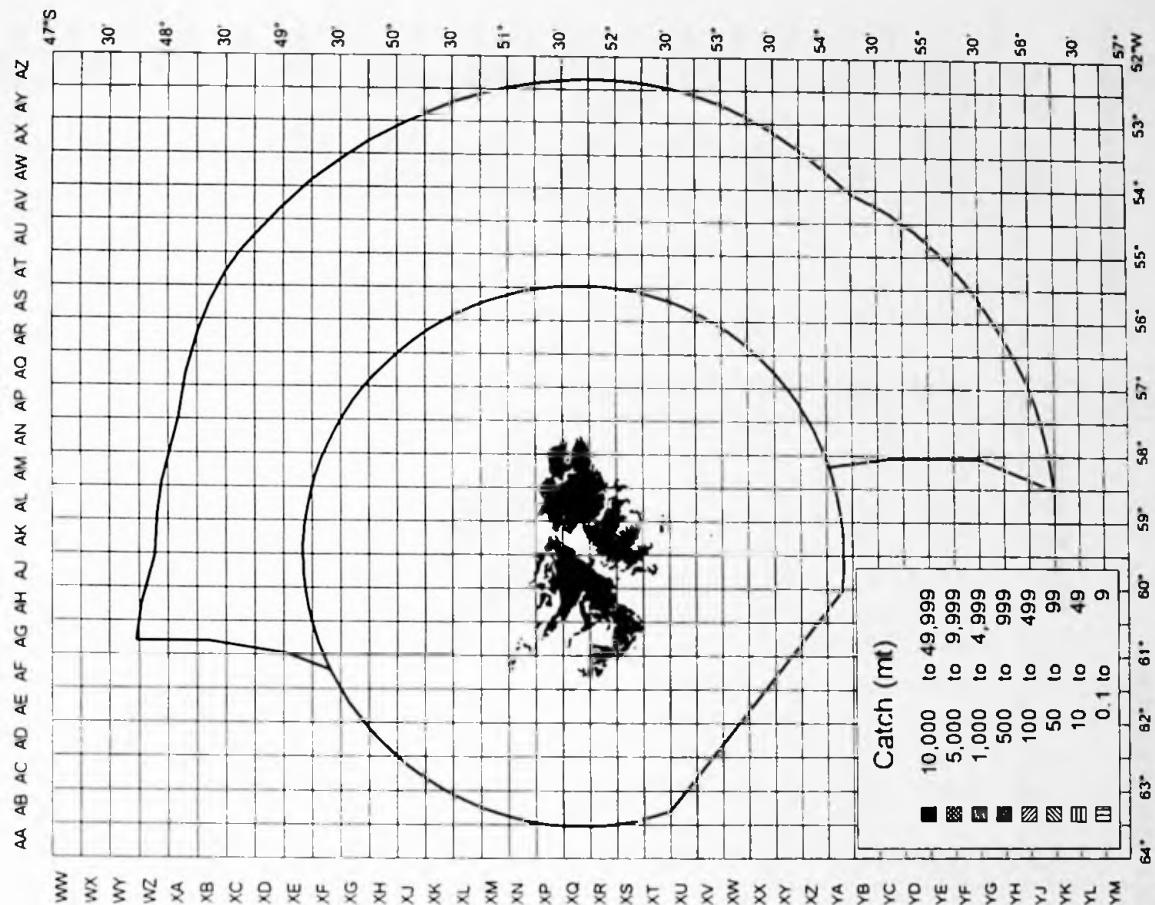
FICZ and FOCZ

Catch (mt) by grid square

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)

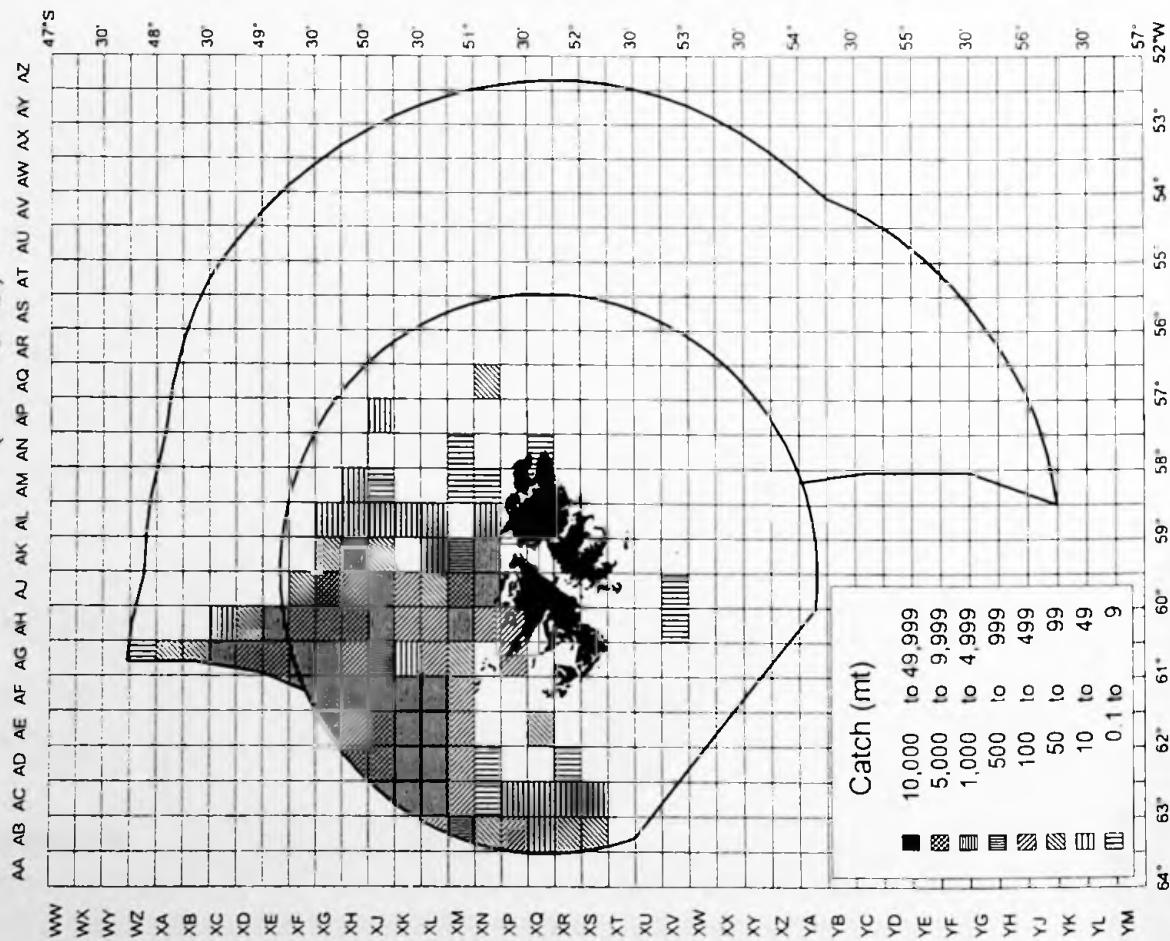


# 1997 *Illex argentinus*

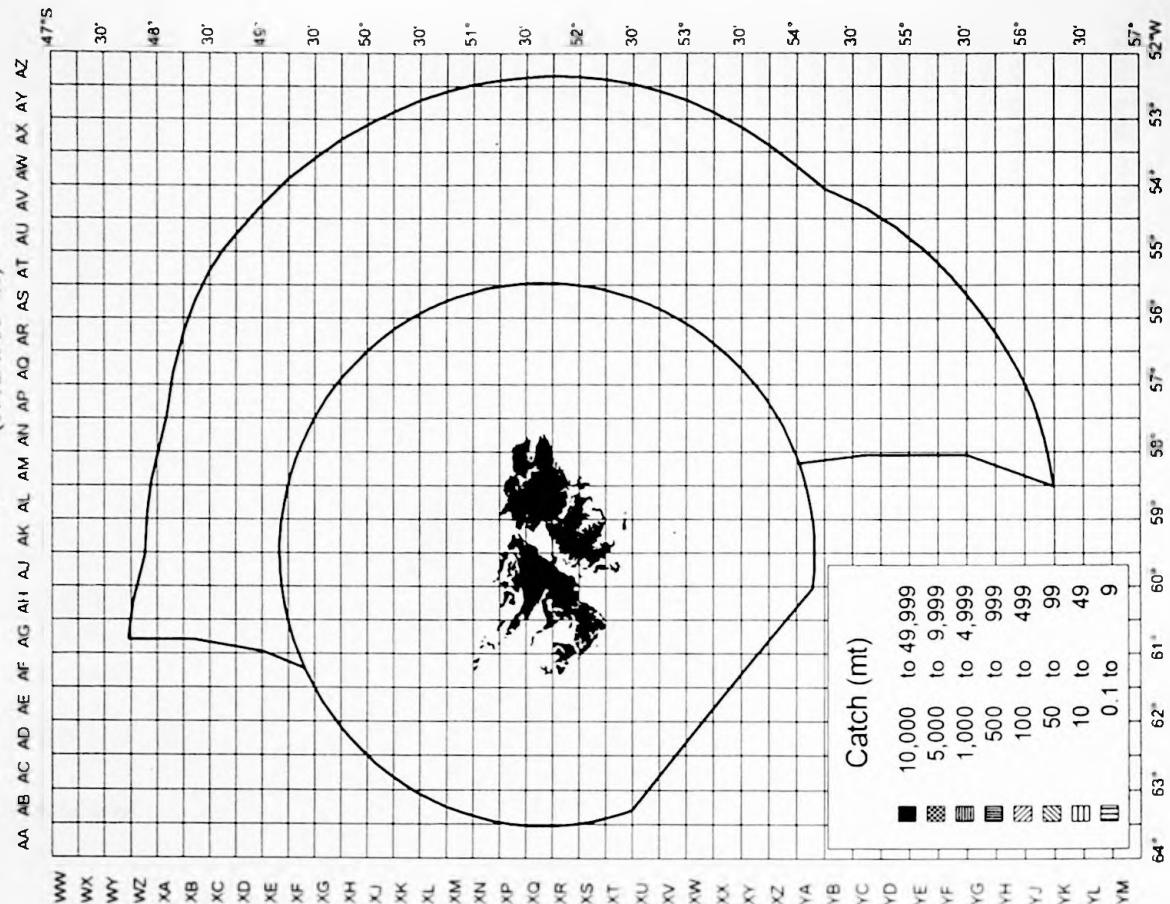
FICZ and FOCZ

Catch (mt) by grid square

## 1st Season (01 Jun to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



*Genypterus blacodes* - Kingclip

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	42	28	8	103		31	133	14	76	
TR	934	822	941	1849	1643	868	1852	1668	1316	
	977	850	949	1952	1643	899	1985	1682	1392	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January			9	29	33	56	10	25		
February	2	31	53	98	49	73	30	13	46	
March	7	118	120	64	69	78	122	257	90	
April	60	151	86	66	89	75	141	363	55	
May	19	107	4	8	101	29	102	114	12	
June	6	26	4	3	26	10	22	50		
July	184	110	107	10	55	29	139	70	180	
August	280	69	133	277	201	58	296	189	219	
September	194	138	106	360	198	128	354	261	233	
October	223	68	160	641	369	179	279	164	349	
November	3	13	136	393	393	116	228	155	192	
December		19	32	2	60	68	262	22	15	
	977	850	949	1952	1643	899	1985	1682	1392	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG				1						
CL	1	0		2	2	2	0	0	0	
ES	774	732	840	869	771	576	1297	707	754	
FK	2	1	15	4	8	22	116	297	153	
FR						3	4	2	1	
GR	23									
HN			26	106	196	39	73	59		
IS									0	
IT	2		1	14	54	42	3			
JP	97	51	1	1	17	1	16	4	4	
KR	47	19	40	623	425	181	382	467	457	
NA									5	
NL		1								
NO	2									
PA			23	246	56	5	34	46		
PL	4	0	0					0		
PT	10	39	3	6	1	2	56	94		
RU					0					
SC								10		
SL				82	77	26				
UK	22	0	1		36	1	5	6	8	
	977	850	949	1952	1643	899	1985	1682	1392	

*Genypterus blacodes* - Kingclip

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	32		56	490	155	39	122	102	76	
400–599	24	122	39	114	192	48	105	96	36	
600–799	29	31	46	137	290	151	243	219	303	
800–999	143	64	162	470	274	185	401	338	225	
1000–1499	342	231	359	238	366	385	623	446	649	
1500–1999	206	338	161	424	141	51	364	377	45	
2000–2999	141	26	126	78	208	39	110	100	54	
≥3000	60	39	1	1	17	1	16	4	4	
	977	850	949	1952	1643	899	1985	1682	1392	

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

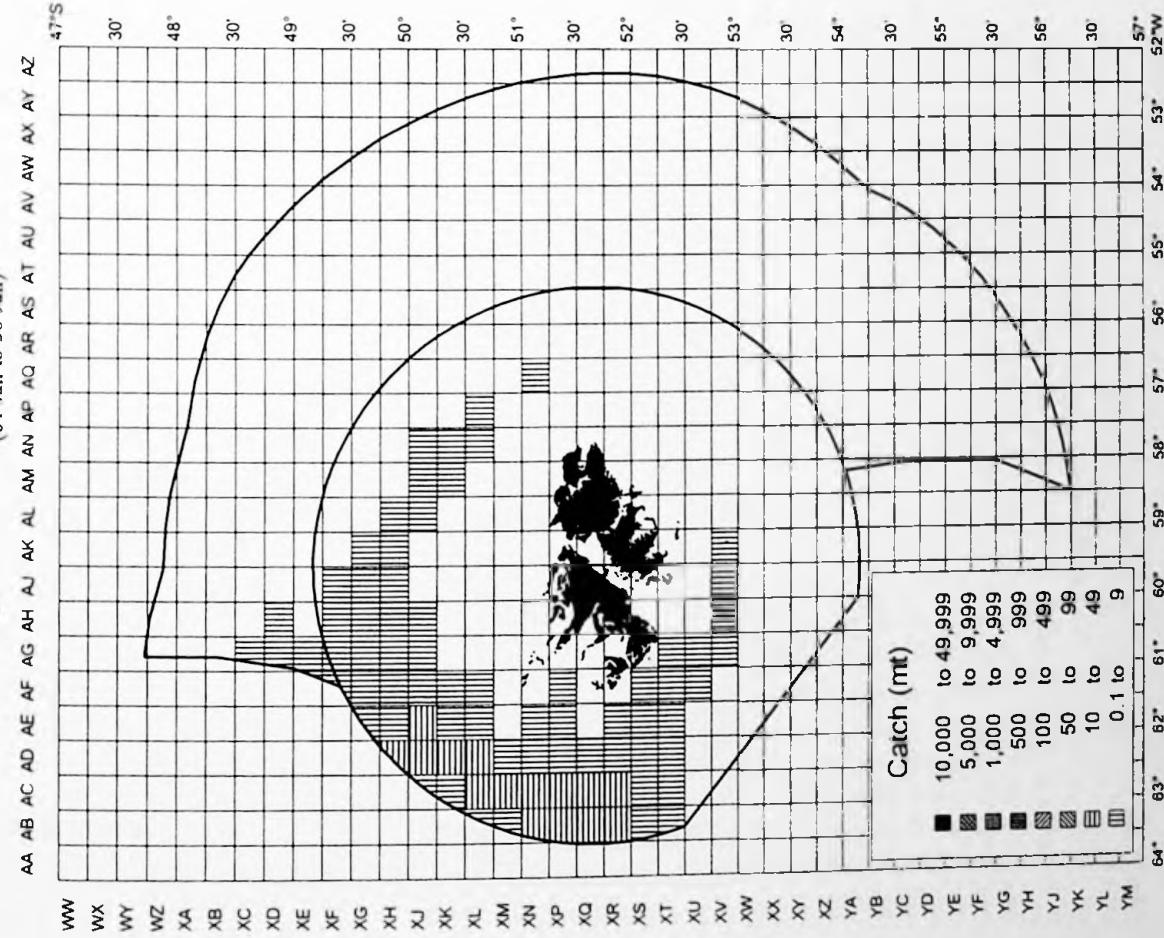
LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		69	46	40	60	22	8		1	
45–49	63	28	76	102	93	112	259	160	138	
50–54	106	127	186	599	668	332	474	602	519	
55–59	59	36	52	518	192	50	261	191	321	
60–64	131	59	77	201	74	122	397	168	174	
65–69	125	183	106	113	102	81	254	118	96	
70–79	316	273	344	308	285	161	299	345	138	
80–89	91	40	52	68	147	18	16	94	0	
≥90	86	35	11	2	24	2	16	4	5	
	977	850	949	1952	1643	899	1985	1682	1392	

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

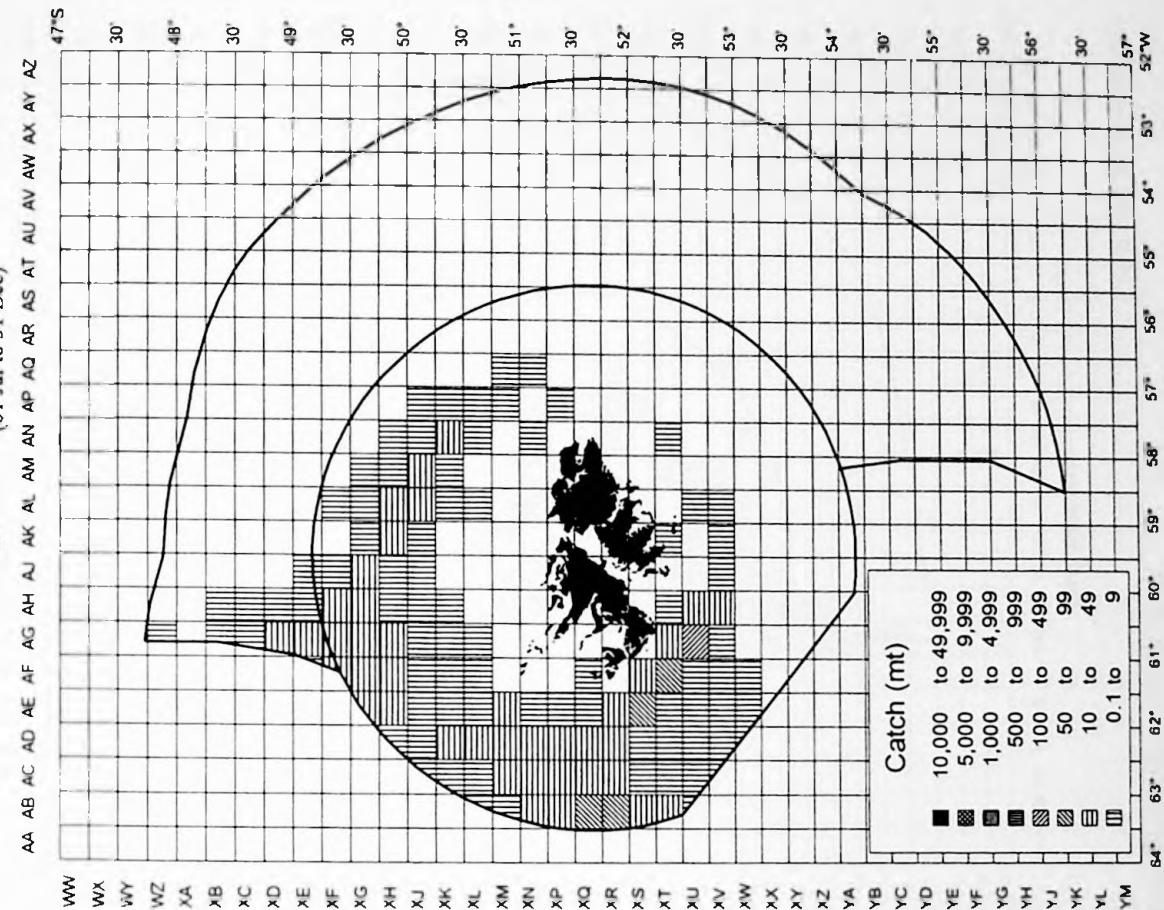
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					36	1	0	0		
1000–1199		29	50	73	35	49	64	19		
1200–1399	64	85	85	57	74	29	78	53	60	
1400–1599	62	52	81	42	140	72	204	73	216	
1600–1799	46	51	10	34	5	25	83	83	46	
1800–1999	192	116	238	229	232	334	548	262	450	
2000–2499	270	312	215	888	540	224	637	784	336	
2500–2999	109	75	94	521	355	121	235	201	217	
3000–3999	111	71	129	38	186	39	116	201	62	
≥4000	124	59	48	70	42	6	20	4	5	
	977	850	949	1952	1643	899	1985	1682	1392	

Catch (mt) by grid square

**1st Season (01 Jan to 30 Jun)**



**2nd Season (01 Jul to 31 Dec)**



*Genypterus blacodes* - Kingclip

1996

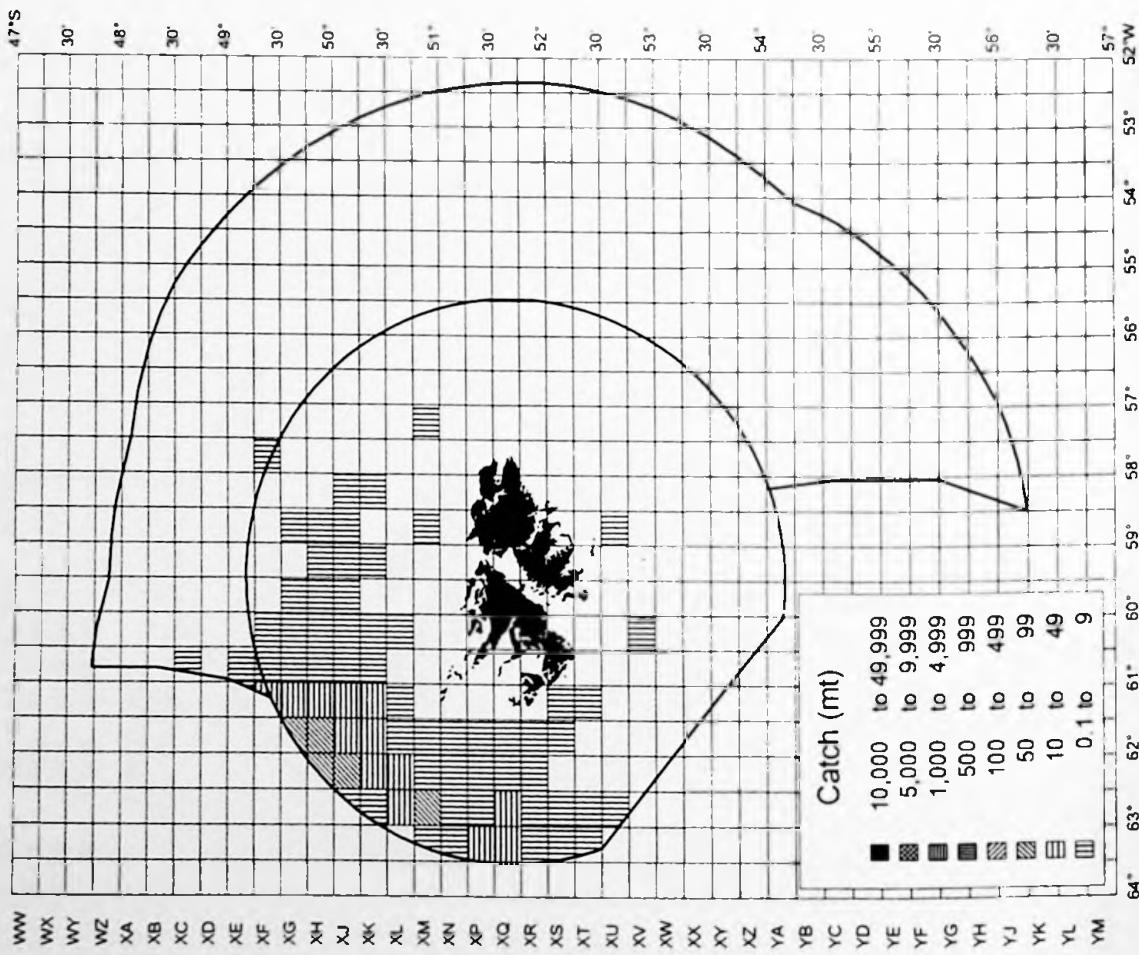
*Genypterus blacodes*

FICZ and FOCZ

Catch (mt) by grid square

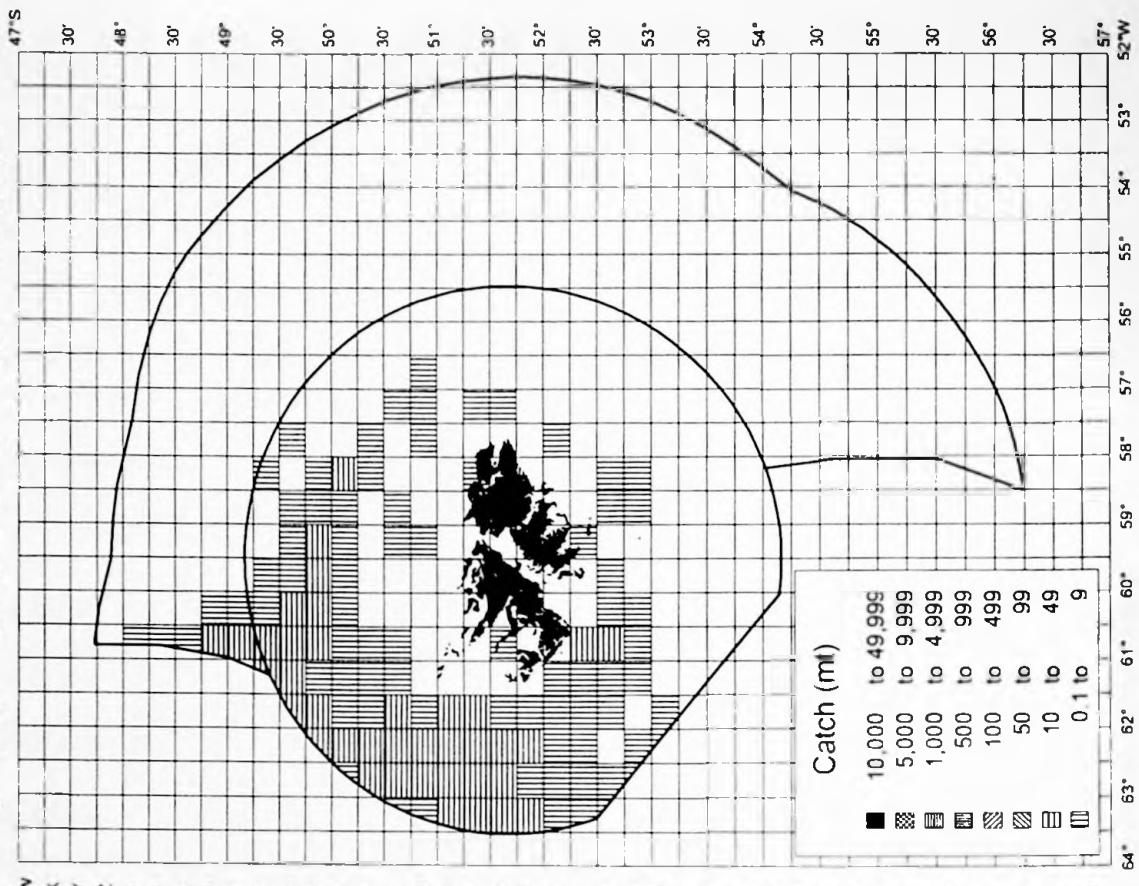
1st Season (01 Jun to 30 Jun)

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



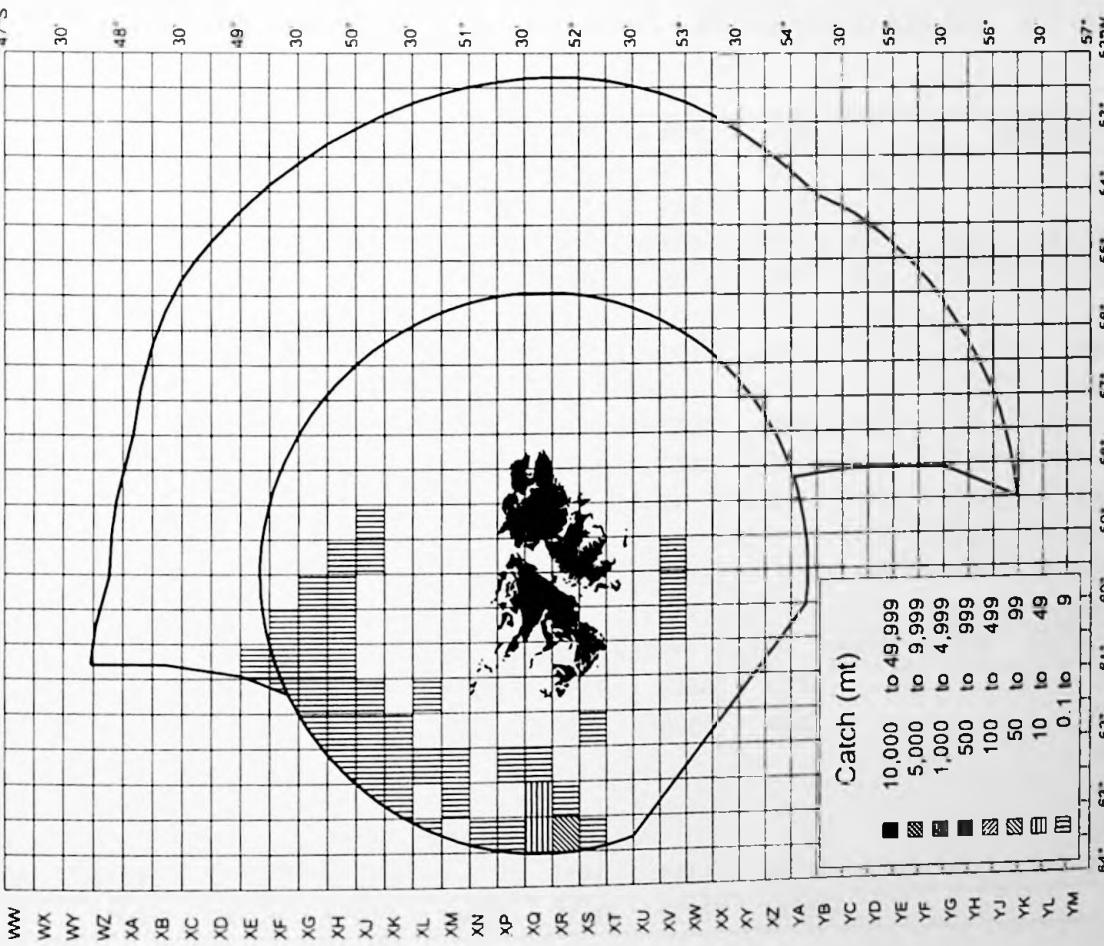
2nd Season (01 Jul to 31 Dec)

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



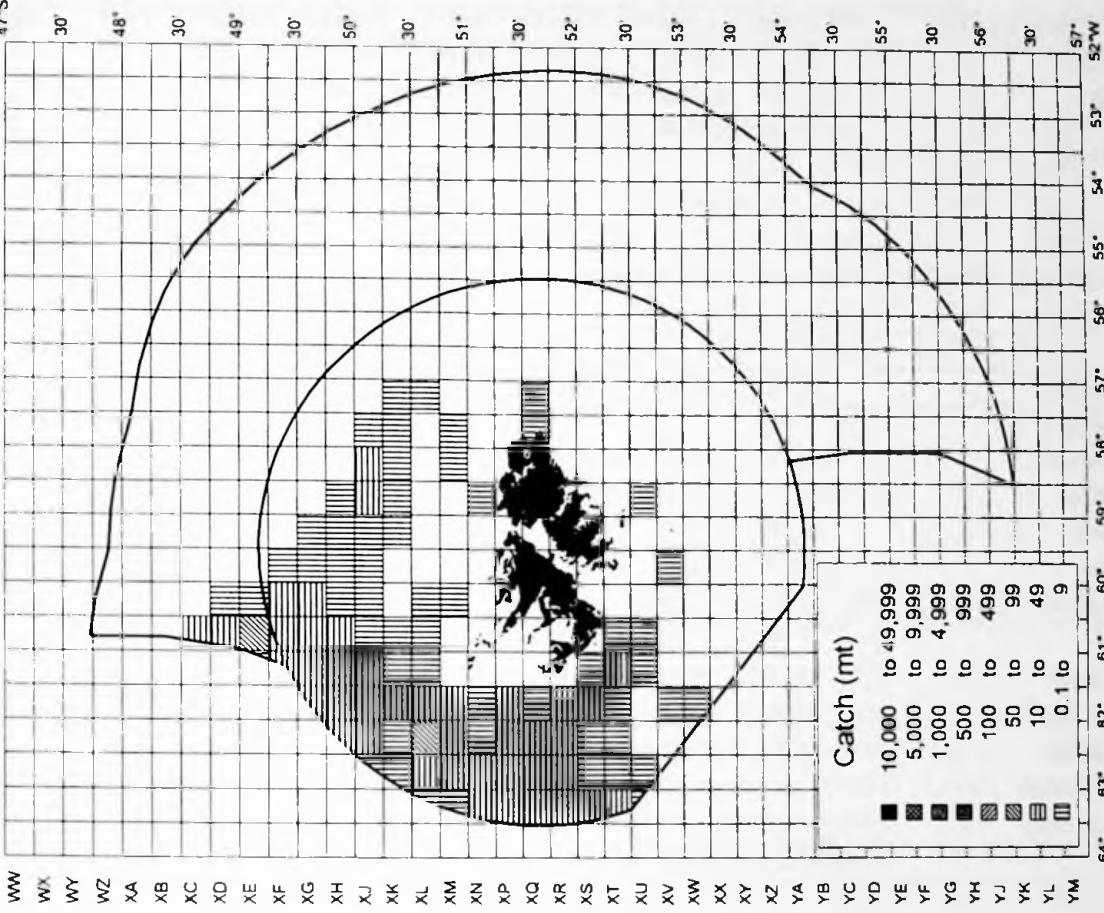
**1st Season (01 Jan to 30 Jun)**

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



**2nd Season (01 Jul to 31 Dec)**

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



Catch (mt) by grid square

*Loligo gahi* - Patagonian squid

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	4877	2004	2636	3467	1119		52	0	0	
TR	113843	80986	51181	79917	51160	65757	98365	61374	26122	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January	62			0		2				
February	27896	25391	12148	15318	3724	9690	17686	6423	2223	
March	32309	21139	9552	12978	1500	7805	17851	6022	5068	
April	28019	14118	8532	8868	12303	9878	16837	14285	3863	
May	15277	8261	7121	10992	6040	8127	8548	11949	4808	
June	3177	457	0	1			1	0		
July	58		5	6	5	1	4	1	0	
August	5921	5794	9457	15035	15682	14752	18756	12157	6220	
September	5086	4080	2729	12844	8433	11739	14619	8180	3932	
October	914	3750	4270	7340	4590	3762	4096	2355	7	
November	0		1	2	1	0	13	1	0	
December	2						6		0	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	2	5								
CL	1105	1865		2964	1415	2353	4003	2431	656	
ES	63156	45435	35504	60843	39012	46736	53768	22716	6552	
FK	750	5796	1094	1683	1494	5266	22310	24366	12710	
FR						1636	7240	4392	1512	
GR	4576	3110								
HN			1	2	1	1	25	8		
IT	10295	4537	2335	2167	491	36	6			
JP	4280	4440	2534	5034	4399	5687	5558	3186	1552	
KR	4	0	43	13	6	11	159	38	4	
NA								74		
NL	4587	3365								
NO		1317								
PA			113	8		0	1	1		
PL	10082	6469	7234	9275	3698	593			1	
PT	8684	5306	3039	1395	1762	2206	3430	192		
RU						3				
SC									1114	
SL				0		0				
UK	11199	1345	1921		1	1228	1916	4043	1948	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

***Loligo gahi* - Patagonian squid**

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	2		105	3	0		33	2	0	
400–599	7910	3877	451	1112	549	77	11	0	0	
600–799	2103	576	387	4184	5141	3912	3113	1718	1188	
800–999	8759	4112	3463	7603	2013	5831	1700	2873	442	
1000–1499	30217	16962	16456	33122	13623	18650	39533	15000	7613	
1500–1999	25236	21320	14173	9387	11077	14290	14871	13015	5637	
2000–2999	44106	28911	16248	22939	15476	17308	33597	25579	9690	
≥3000	387	7233	2534	5034	4399	5687	5558	3187	1552	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	4071	1630	0	14	46	18	1			
45–49	2392	1637	3888	10288	3862	5968	1632	1275	438	
50–54	6820	1850	3720	9785	4436	5930	7606	4634	2671	
55–59	5441	3229	123	4456	1643	1050	49	2616	76	
60–64	9848	11324	2494	9319	6622	8137	14186	12542	5682	
65–69	6484	3717	10505	5629	4557	5870	12045	6329	2473	
70–79	43923	23054	18009	21892	16277	22588	36849	21155	7552	
80–89	29898	20805	8329	10345	6654	5851	12701	4797	3869	
≥90	9842	15744	6748	11656	8182	10345	13349	8025	3361	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

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

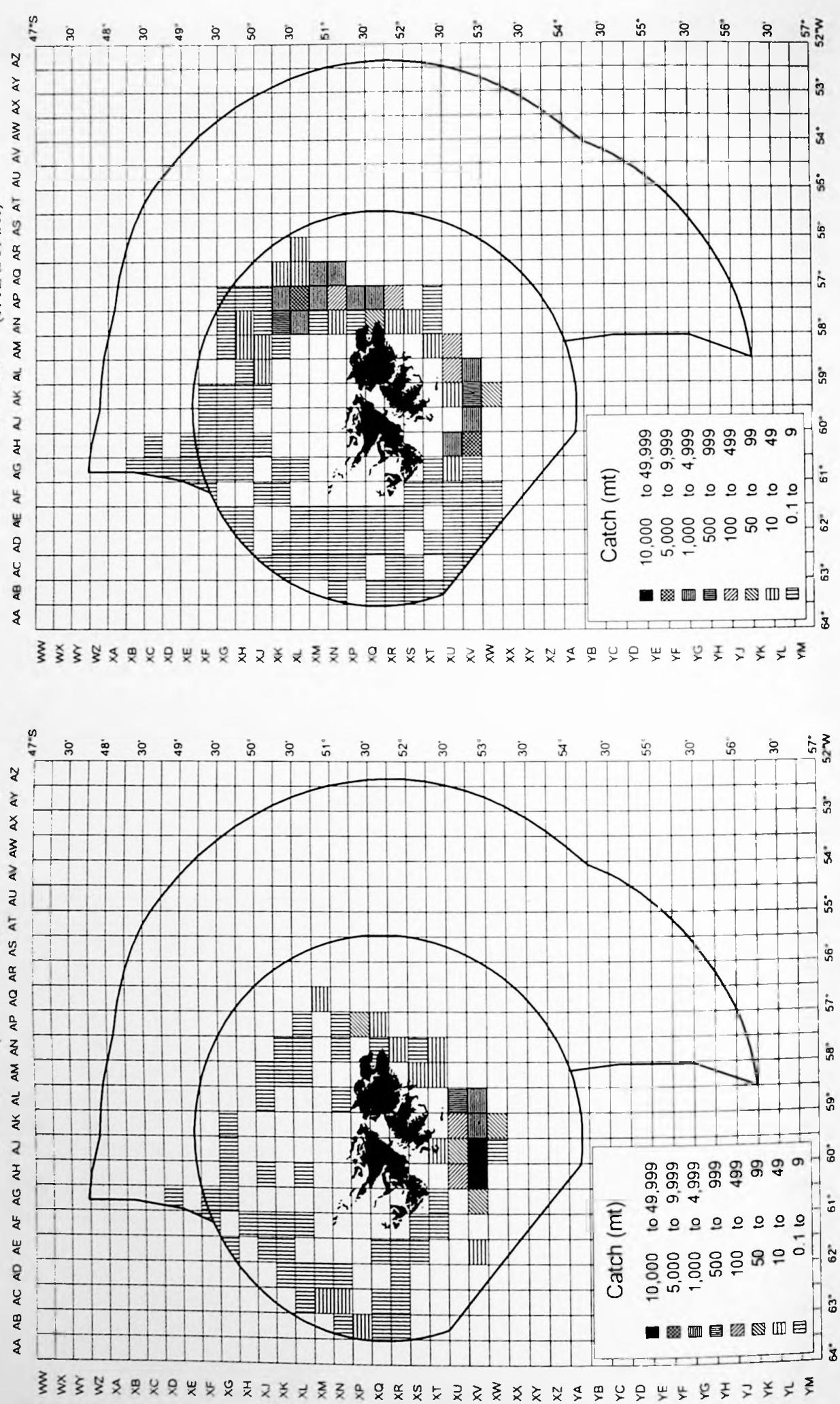
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					1	1931	3078	1712		
1000–1199	6299	2349	233	4011	2831	125	6	0		
1200–1399	5840	2952	606	2595	1647	1898	3	4	74	
1400–1599	2996	303	5354	6276	2057	914	46	0	1114	
1600–1799	2598	343		4	2151	17	1067	2836	475	
1800–1999	2374	13674	6968	15645	6127	7048	11824	7285	3477	
2000–2499	32292	10113	13339	15423	11494	18572	22575	9539	5770	
2500–2999	13475	10418	7774	10963	6011	8272	7503	4566	1366	
3000–3999	40664	25585	12794	16792	8826	12748	31376	22804	8578	
≥4000	12181	17253	6750	11675	11134	14233	20938	12629	5268	
	<b>118720</b>	<b>82990</b>	<b>53817</b>	<b>83384</b>	<b>52279</b>	<b>65757</b>	<b>98417</b>	<b>61374</b>	<b>26122</b>	

FICZ and FOCZ

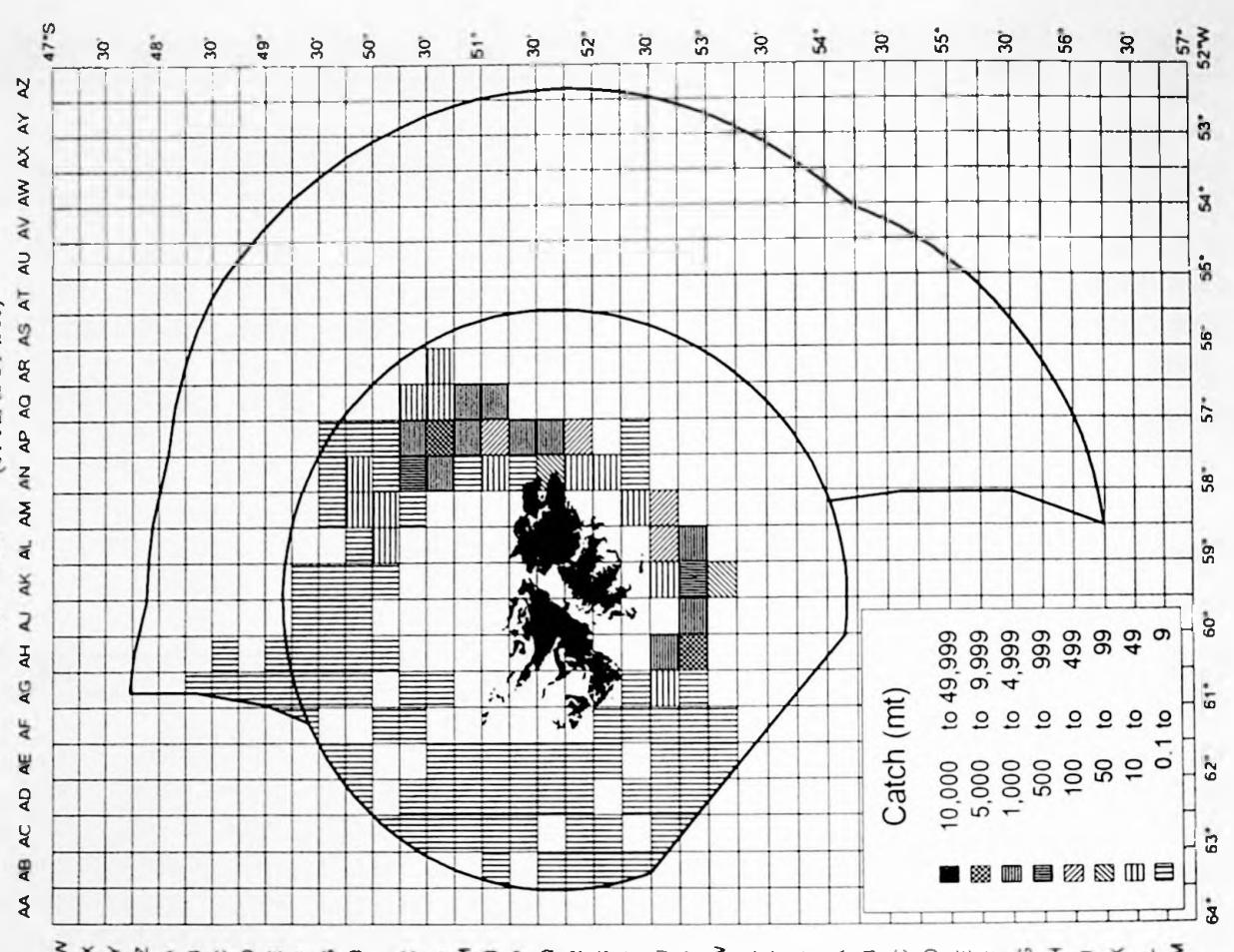
1995

*Loligo gahi*

1st Season (01 Jun to 30 Jun)



2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

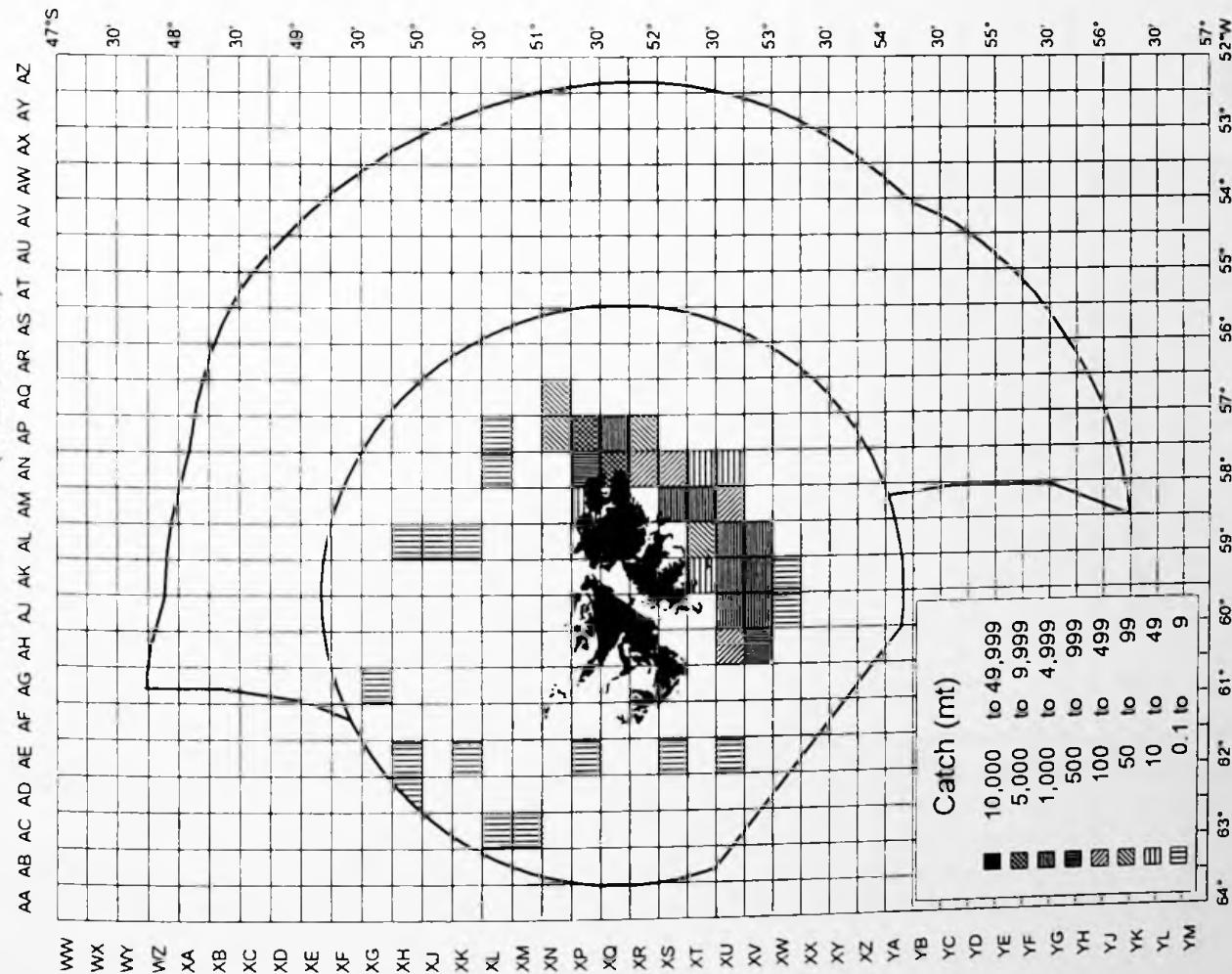
*Loligo gahi* - Patagonian squid

1996

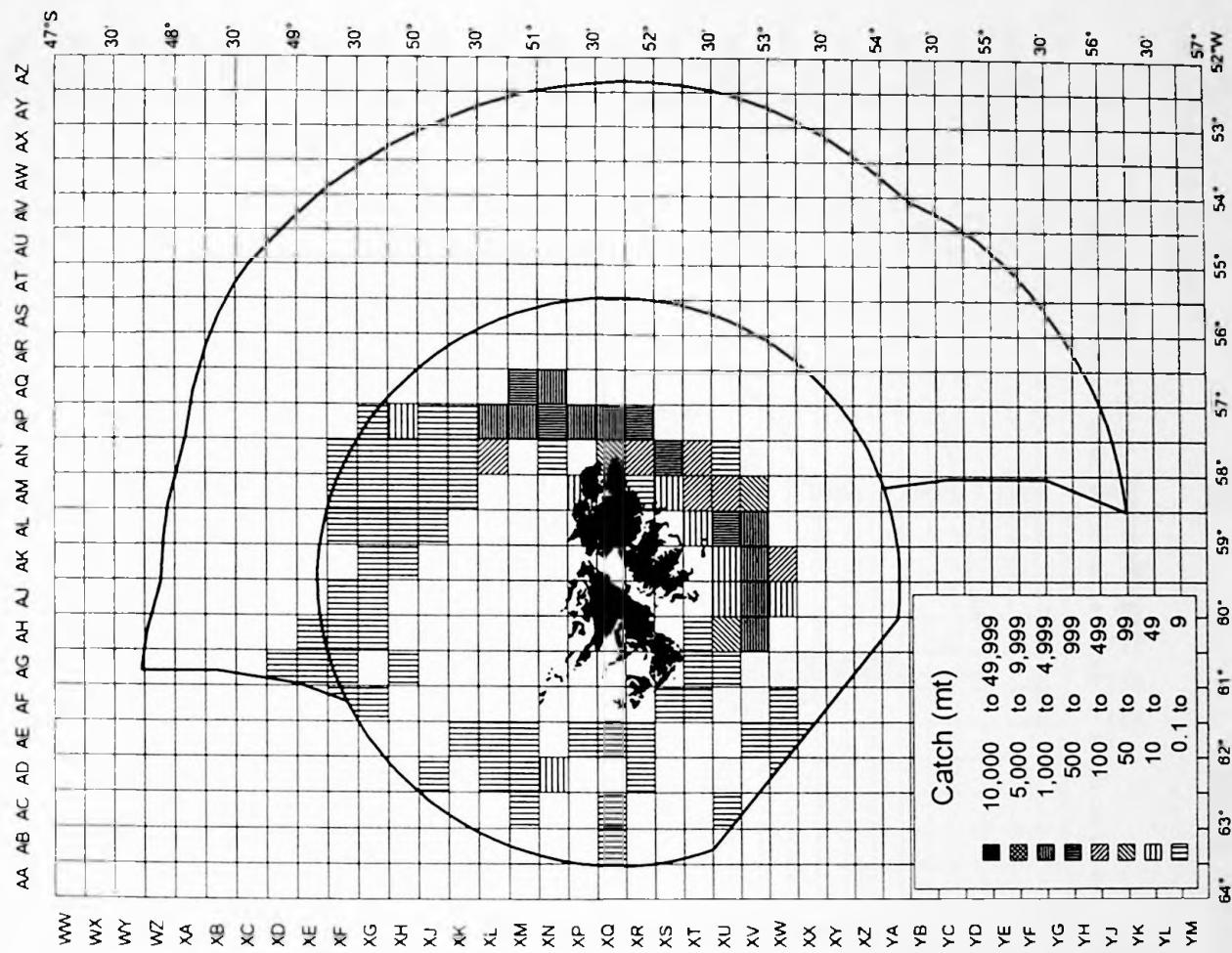
*Loligo gahi*

FICZ and FOCZ

**1st Season (01 Jan to 30 Jun)**



**2nd Season (01 Jul to 31 Dec)**



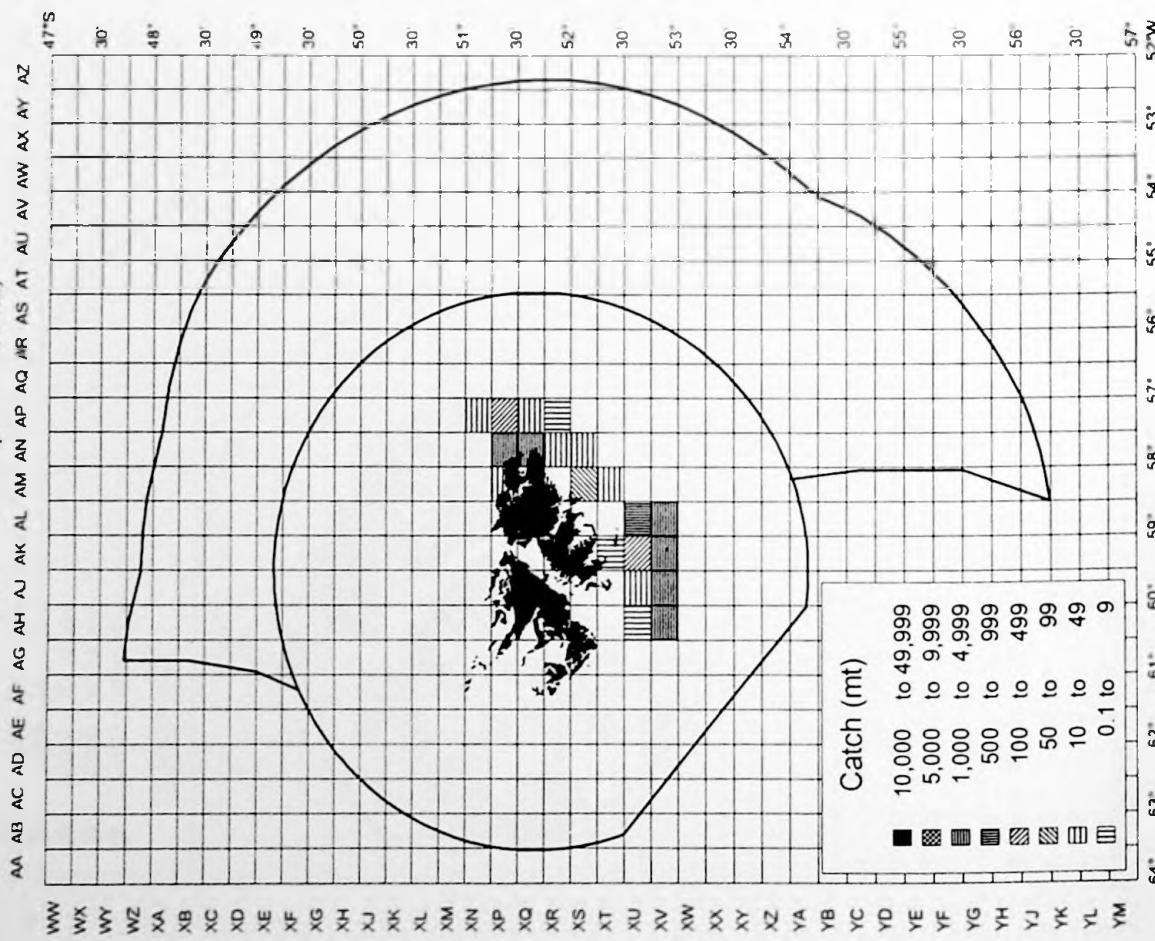
*Loligo gahi* - Patagonian squid

1997 *Loligo gahi*

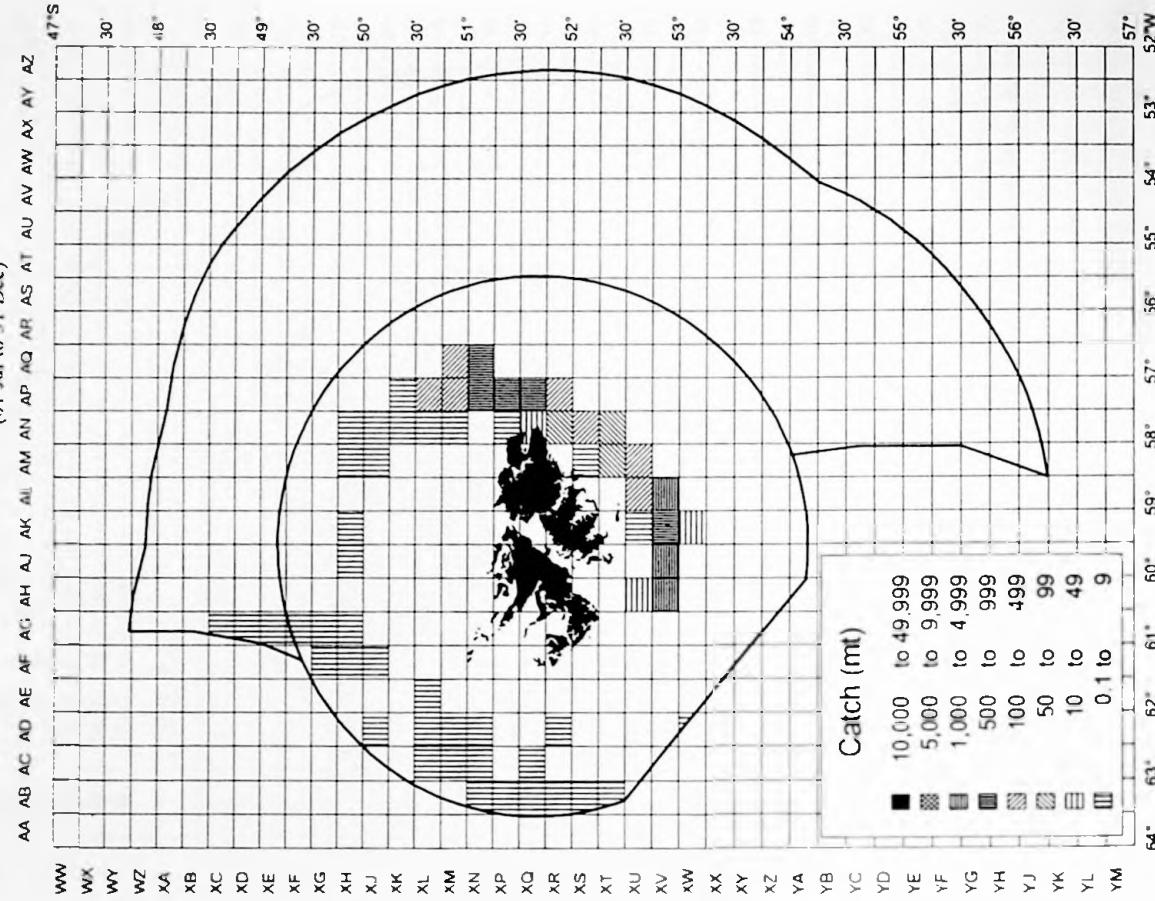
FICZ and FOCZ

Catch (mt) by grid square

**1st Season (01 Jun to 30 Jun)**



**2nd Season (01 Jul to 31 Dec)**



*Martialia hyadesi* - Martialia squid

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO			1			13				
JI				138				5803	107	2099
TR	0	3	3	1	20	0		4	0	
	0	4	141	1	33	0	5803	111	2099	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January						0				
February		0		0	32	0			0	
March	3	1			0	0		0	66	
April	1	136	0				21		721	
May	0	4	1	0			5782	63	858	
June								44	454	
July	0									
August				0						
September			1							
November				0		0				
December							3			
	0	4	141	1	33	0	5803	111	2099	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG		3								
BZ							57			
CL				0	0					
ES	1	0	1	0	0	0		1	0	
FK	0		0					0		
HN							118			
JP		81		0			36		1021	
KR	1	41	0				5318	107	1035	
PA				0						
PL		2		32				3		
PT	0	0		0						
RU				0						
TW		17					274		43	
UK	0									
	0	4	141	1	33	0	5803	111	2099	

*Martialia hyadesi* - Martialia squid

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400				0			64			
400-599							1001	1	98	
600-799			51	0			3880	107	627	
800-999			22	0			479		244	
1000-1499		0	66	0	1	0	379		1130	
1500-1999	0	0	0	0		0		1		
2000-2999		3	2	0	32	0				
≥3000		1			0			3		
	0	4	141	1	33	0	5803	111	2099	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45							225			
45-49			45	1			2709	55	387	
50-54			5	0	0		1448	52	365	
55-59			22	0			844		245	
60-64	0		9	0	0	0	245		27	
65-69		0	3			0	233	1	570	
70-79		0	55	0		0	99	0	504	
80-89		3	2		32					
≥90		0			0			3		
	0	4	141	1	33	0	5803	111	2099	

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

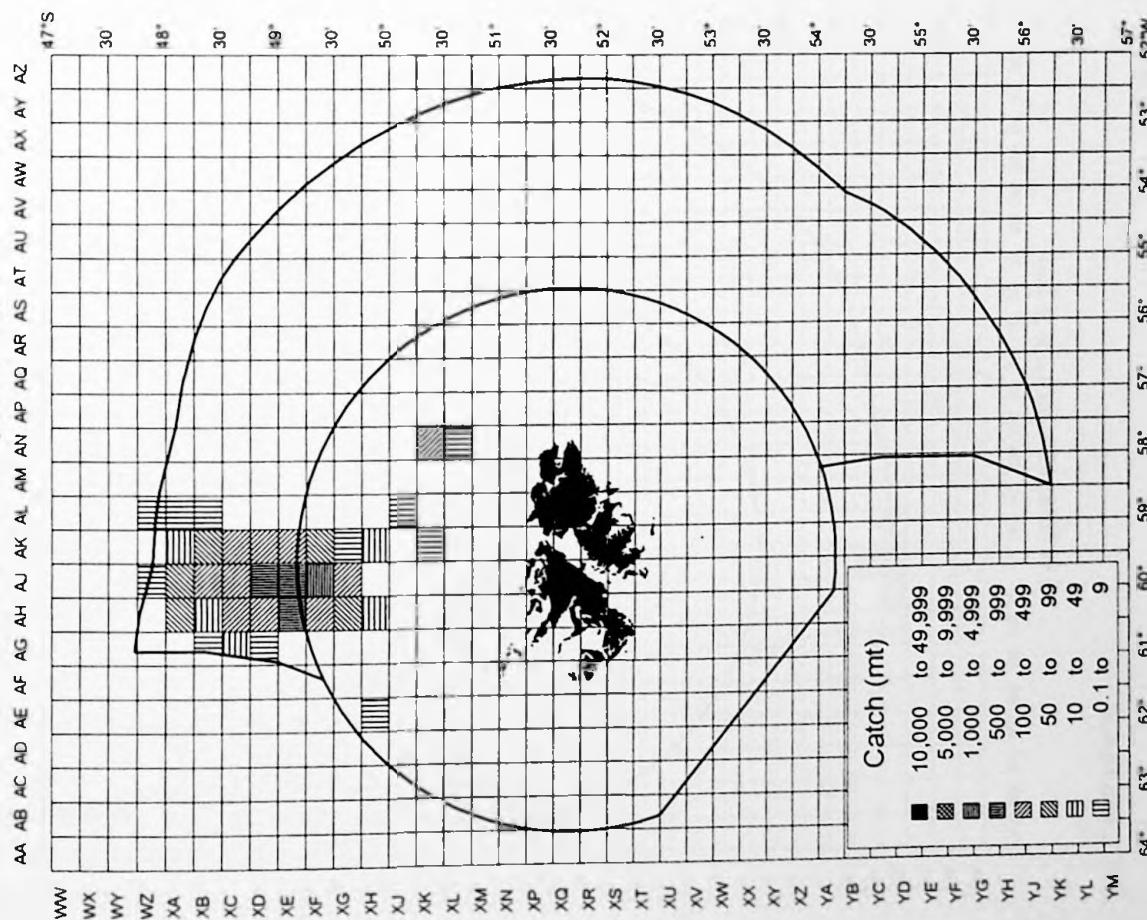
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000		0								
1000-1199			33	0			623	1	223	
1200-1399			41				1984	67	263	
1400-1599			5	0			1838	39	703	
1600-1799		0	5				997	0	252	
1800-1999		0	27		0		213		562	
2000-2499		0	27	0	0	0	148	1	96	
2500-2999			1	0	13					
3000-3999	0	3	2	0	19			3		
≥4000		1			0					
	0	4	141	1	33	0	5803	111	2099	

1995

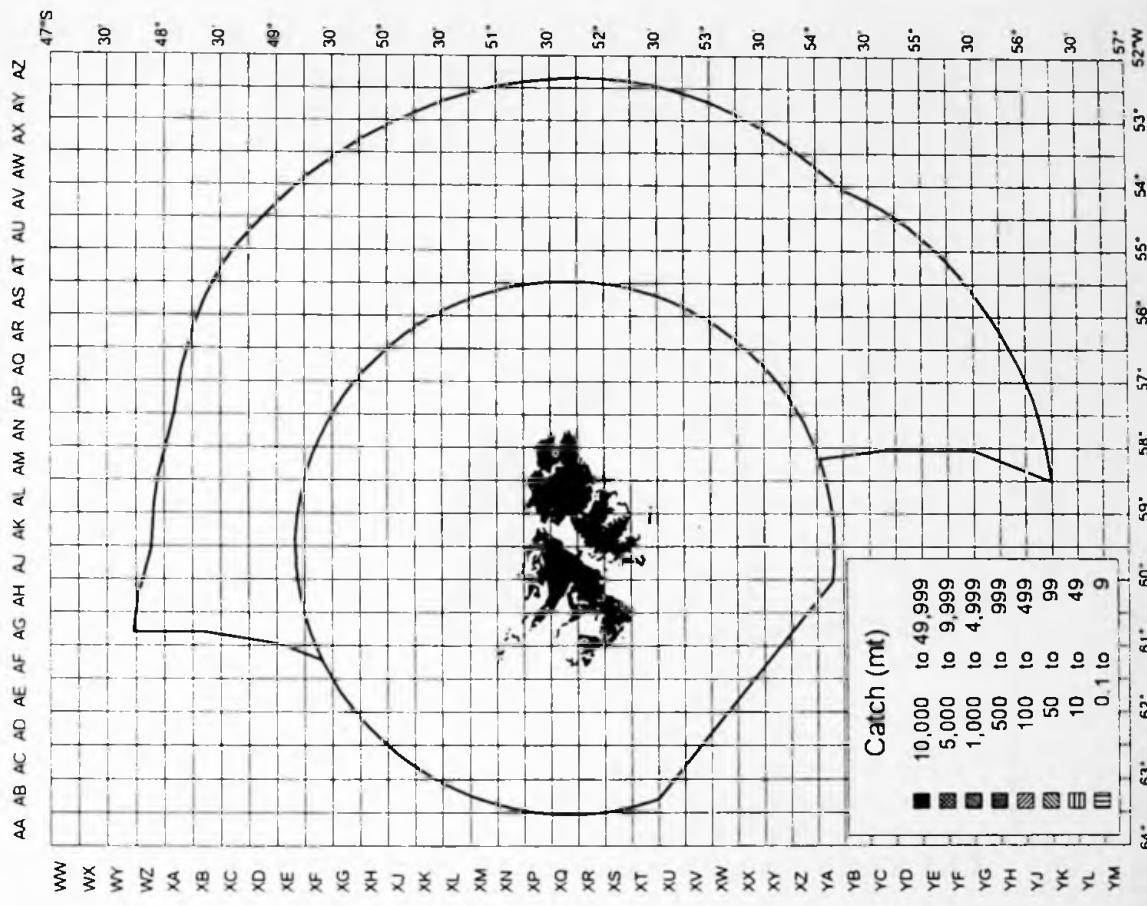
## *Martialia hyadesi*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



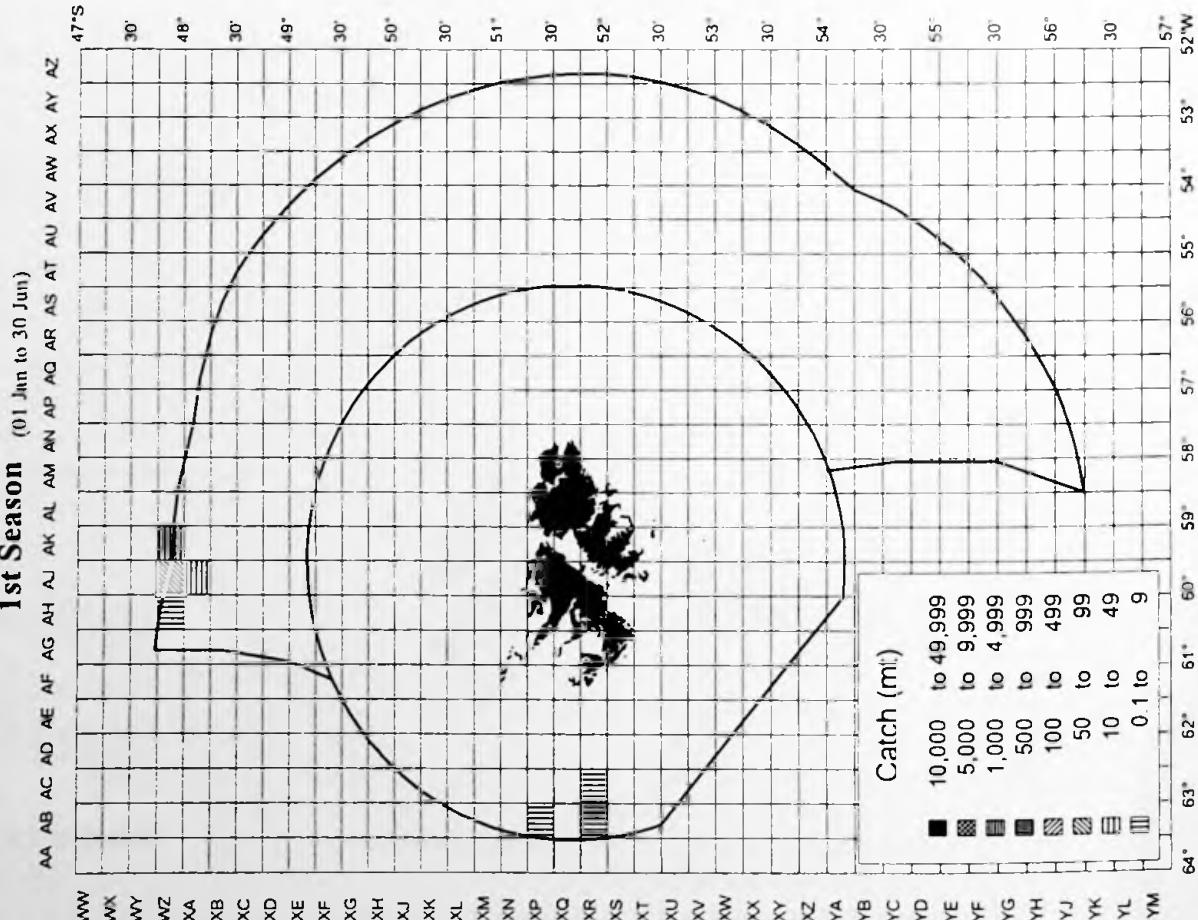
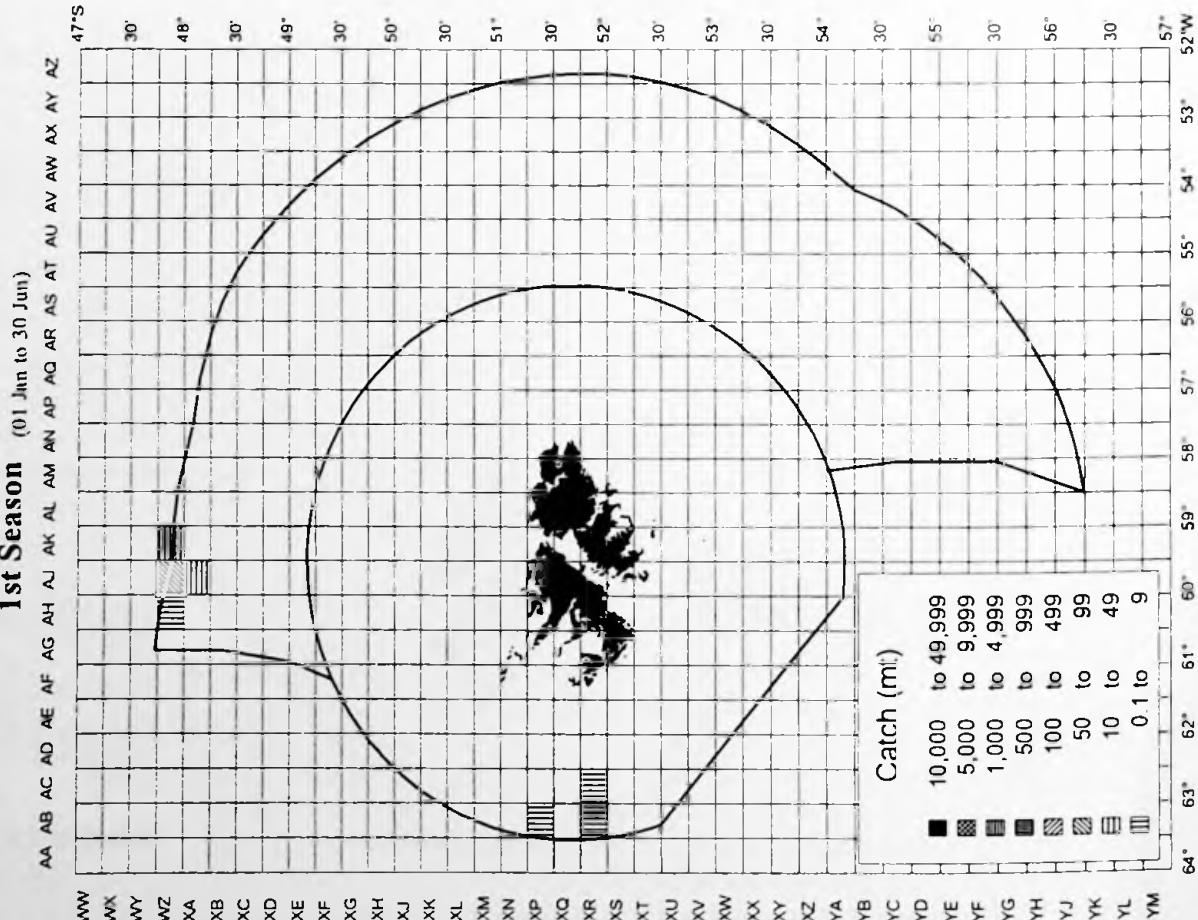
### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

## *Martialia hyadesi - Martialia squid*

## 1996 *Martialia hyadesi*



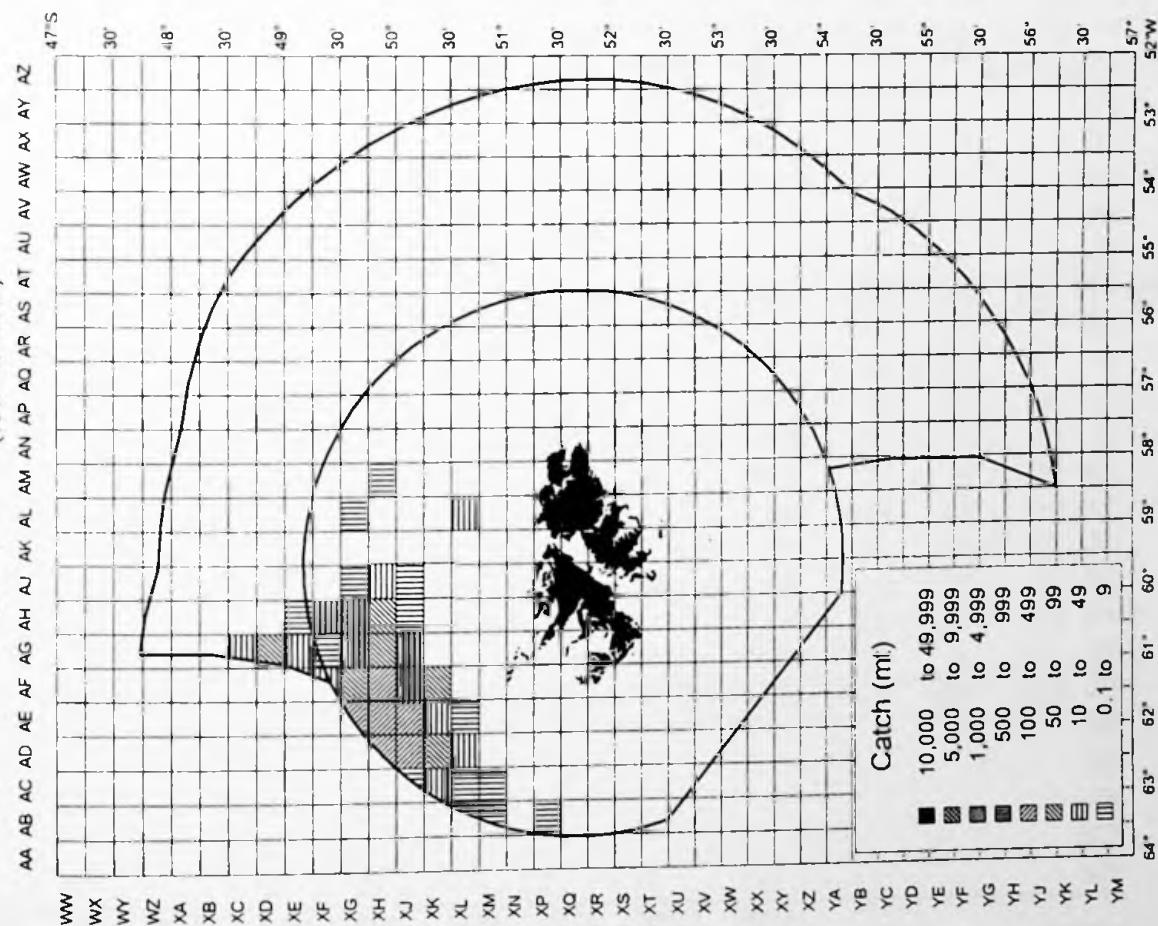
Catch (mt) by grid square

1997

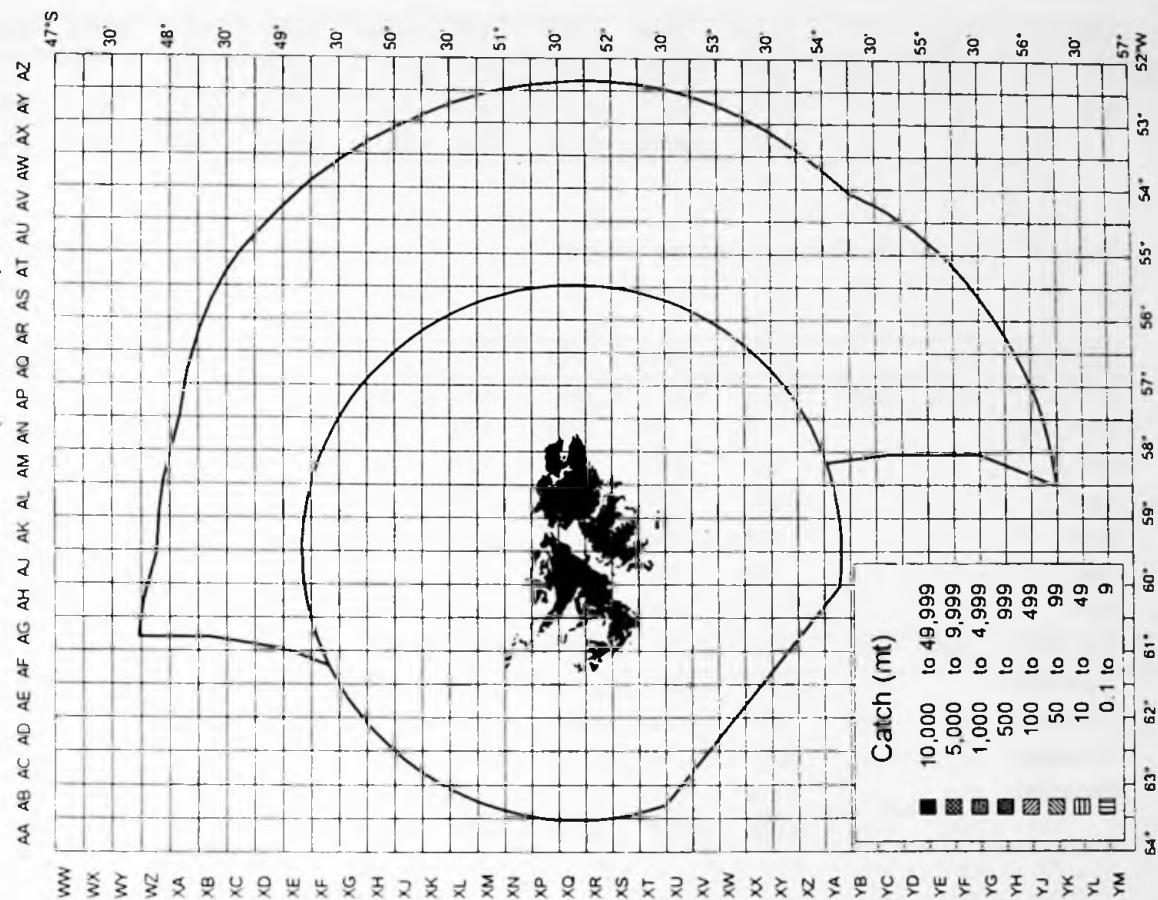
## *Martialia hyadesi*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

## *Martialia hyadesi - Martialia squid*

*Merluccius spp.* - Hakes

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	1368	385	168	135		78	116	13	61	
TR	15112	11515	6591	3935	3029	1336	1872	1636	1493	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January			232	161	293	195	33	73		
February	6	459	641	479	171	80	23	11	67	
March	325	1846	1011	717	140	50	137	345	100	
April	3211	2453	1000	586	466	188	230	352	92	
May	462	1608	128	141	328	147	183	109	100	
June	142	359	43	16	92	58	108	84		
July	2211	1468	1465	83	165	61	289	127	213	
August	6016	1051	1182	789	392	221	334	277	341	
September	3213	2041	533	445	352	155	275	133	304	
October	870	404	192	246	337	128	171	77	256	
November	10	129	256	301	239	103	91	46	75	
December	14	82	77	106	55	27	114	16	4	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	123	42	12							
CL	36	12		25	5	3		1	0	
ES	12331	10490	5995	3091	1693	967	1154	807	662	
FK	19	46	25	29	88	43	195	382	266	
FR						20	5	17	4	
GR	180									
HN			65	89	223	53	80	19		
IS									1	
IT	84		4	186	298	45	4			
JP	1324	222	1	5	55	31	75	84	53	
KR	60	136	290	390	446	197	371	241	517	
NA									12	
NL		3								
NO		26								
PA			96	121	70	18	16	14		
PL	1650	404	218	49	7					
PT	391	510	47	23	6	23	89	46		
RU						0				
SC									27	
SL				63	75	5				
TW						0				
UK	284	10	7		62	10		38	11	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

*Merluccius spp.* - Hakes

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	23		239	294	226	78	129	67	61	
400-599	365	1589	456	185	241	103	130	71	58	
600-799	445	83	603	220	327	111	129	125	161	
800-999	1657	801	584	488	257	182	310	192	299	
1000-1499	6759	3222	1409	1134	903	560	732	548	755	
1500-1999	3039	5486	1634	1336	444	146	283	375	73	
2000-2999	3270	509	1832	409	577	202	201	187	94	
≥3000	921	209	1	5	55	31	75	84	53	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

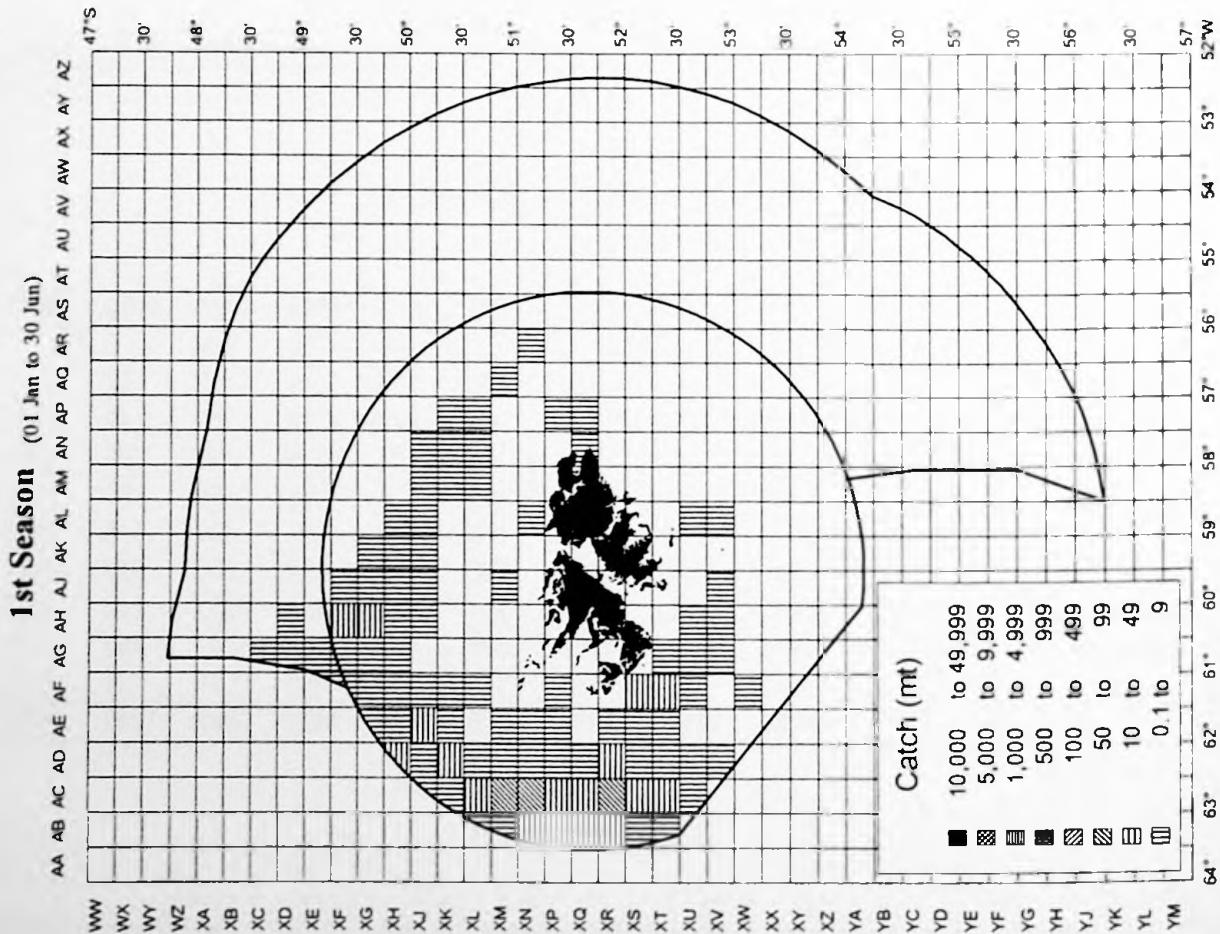
Table J.5 Total catch (tonnes) by length overall (m) (LOA) and year

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	11	1047	614	66	104	52	14		1	
45-49	1085	325	287	294	90	159	231	145	51	
50-54	1047	982	735	686	770	340	367	273	524	
55-59	682	408	574	271	191	67	251	259	327	
60-64	2304	812	384	602	272	217	371	203	287	
65-69	2027	2726	621	296	127	121	241	185	130	
70-79	5394	4504	2664	1499	1231	349	349	442	154	
80-89	2470	822	667	330	162	55	88	53	16	
≥90	1460	275	212	28	83	55	77	90	64	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

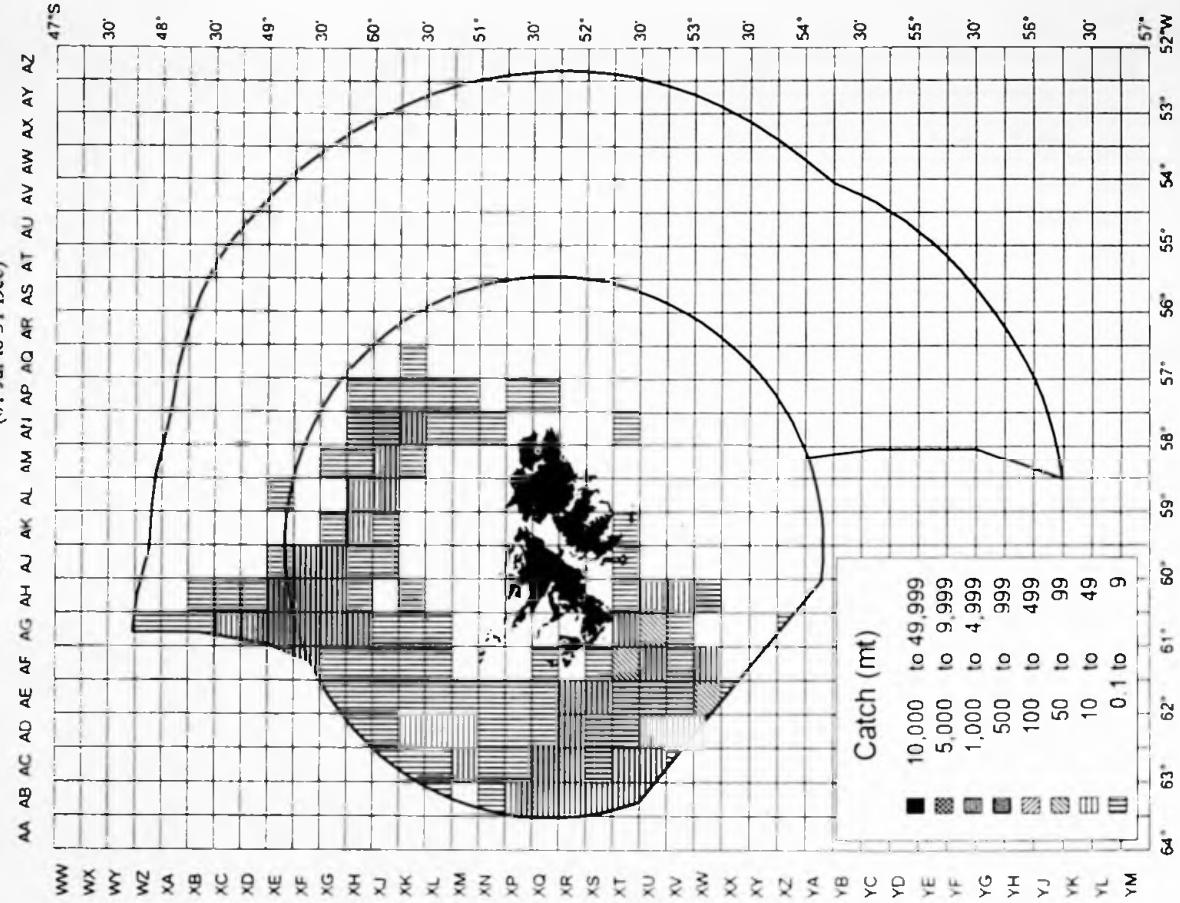
Table J.6 Total catch (tonnes) by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					62	10	0	0		
1000-1199	21	480	470	193	34	70	42	12		
1200-1399	875	743	581	243	72	18	35	49	47	
1400-1599	978	477	329	86	192	79	198	69	95	
1600-1799	747	819	31	41	3	25	56	89	90	
1800-1999	2940	1045	478	713	433	400	434	378	491	
2000-2499	3581	5466	2049	1628	862	374	686	529	416	
2500-2999	2762	1429	603	523	734	182	255	162	255	
3000-3999	2934	1001	1493	296	514	173	202	263	86	
≥4000	1642	439	725	347	123	83	79	97	73	
	<b>16480</b>	<b>11900</b>	<b>6759</b>	<b>4070</b>	<b>3029</b>	<b>1414</b>	<b>1988</b>	<b>1649</b>	<b>1554</b>	

Catch (mt) by grid square



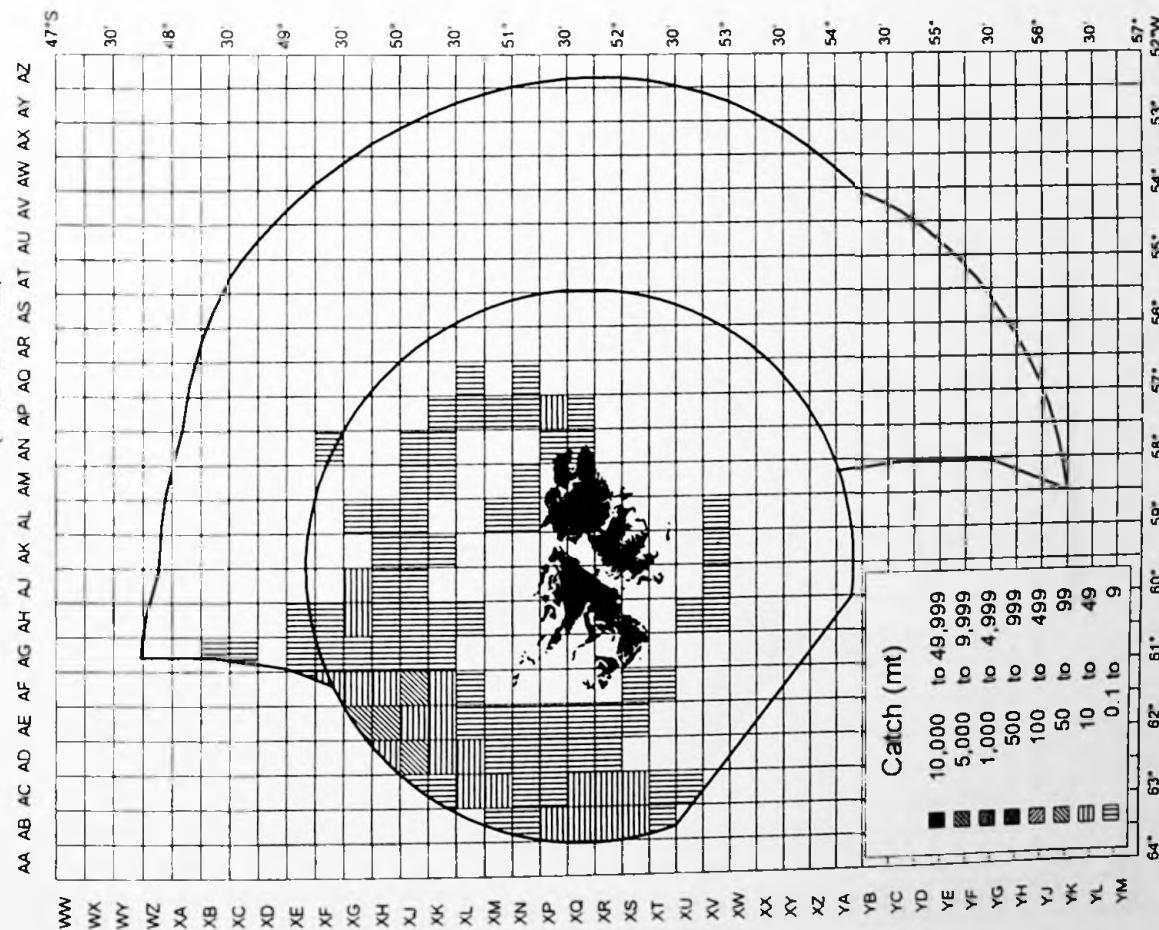
**2nd Season (01 Jul to 31 Dec)**



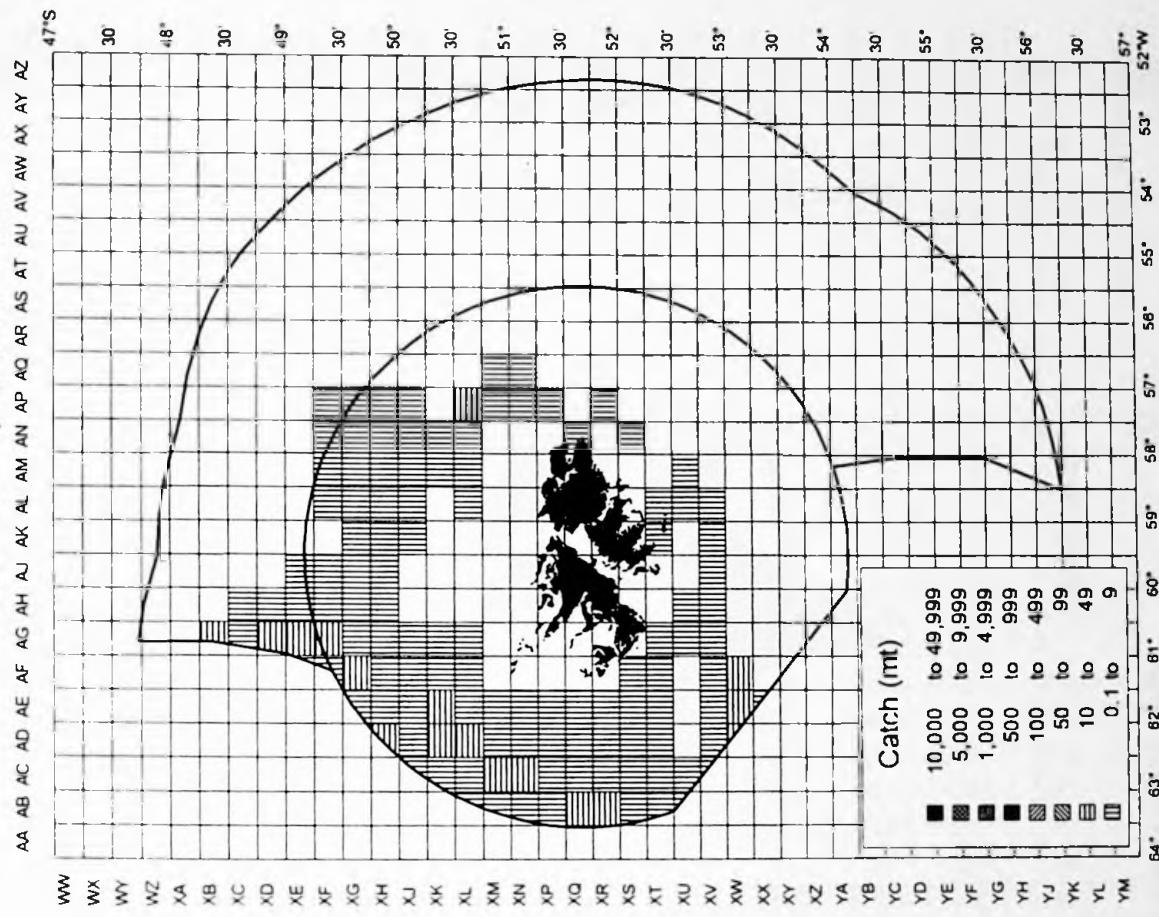
# 1996 *Merluccius spp.*

FICZ and FOCZ

## 1st Season (01 Jan to 30 Jun)



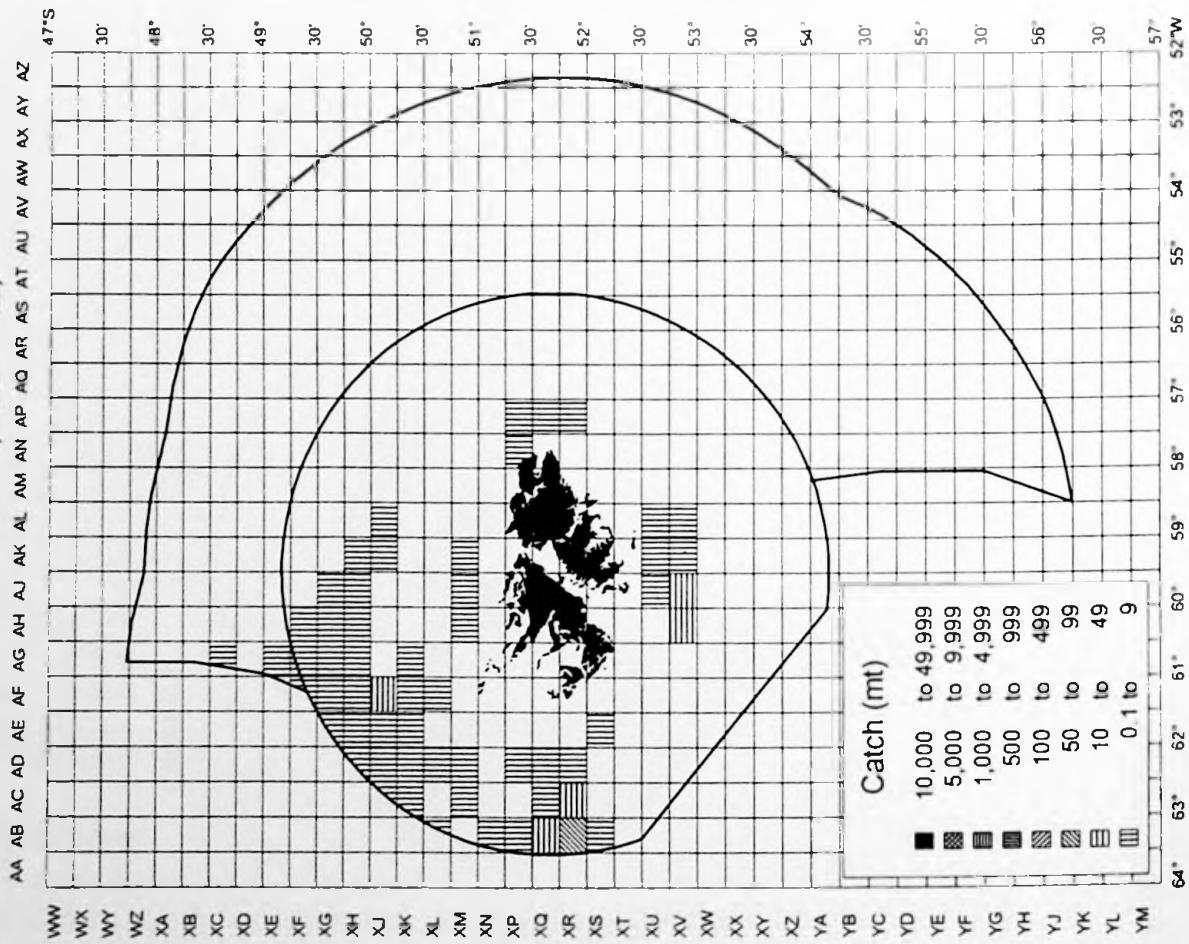
## 2nd Season (01 Jul to 31 Dec)



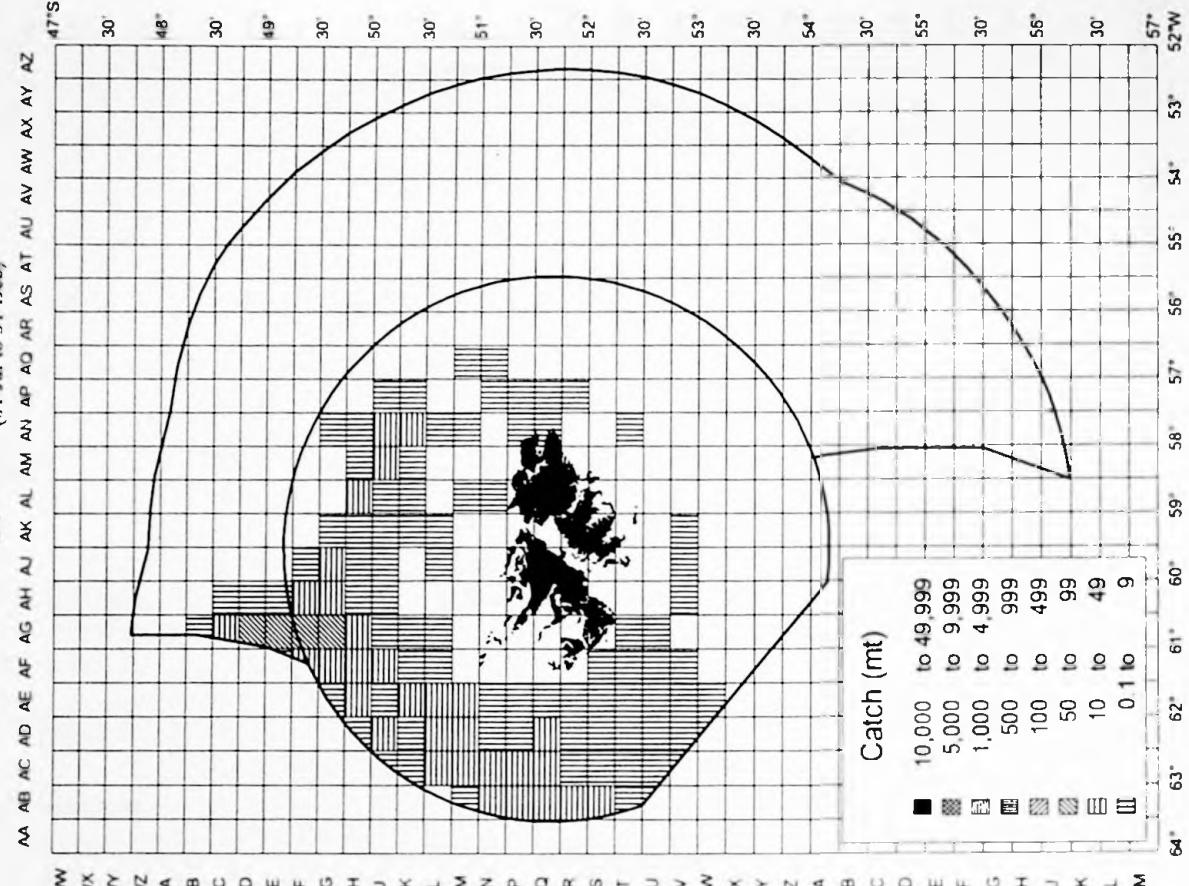
Catch (mt) by grid square

# 1997 *Merluccius spp.*

## 1st Season (01 Jan to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

## Rajidae - Skates and rays

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	6	29	456	1043	12	1379	1358	14	307	
LO				3	2	15	46	315	92	
TR	1743	1471	6467	7063	8509	4148	4029	3145	2922	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January			9	78	65	1045	11	28	14	
February	16	29	71	129	131	277	15	13	80	
March	0	89	91	147	57	65	43	86	39	
April	14	73	55	53	58	85	38	53	22	
May	18	59	13	8	102	63	261	15	18	
June	4	34	3	7	23	308	399	182		
July	106	85	274	17	1085	864	1007	320	423	
August	506	349	1229	3520	2012	1327	1720	1103	1470	
September	666	457	1558	2218	1962	833	904	654	902	
October	414	270	1446	1089	1700	304	767	597	267	
November	4	39	1543	826	1079	158	160	227	72	
December	1	14	631	17	250	213	107	199	14	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	1									
CL	2			3	19	16	9		0	
ES	695	791	1070	1223	838	469	397	226	246	
FK	6	0	5	32	98	63	117	184	204	
FR					20	5	9		3	
GR	4	1								
HN			1388	1148	1948	876	650	460		
IS								2	9	
IT	0	2		40	88	32	1			
JP	7	4	0		1		5	8	2	
KR	963	672	2484	4122	4417	3665	4101	2124	2797	
NA									3	
NO	3							273	31	
PA			1962	1257	611	372	83	170		
PL		1	0	6	23					
PT	24	26	13	13	11	16	50	10		
RU					0				4	
SC										
SL				265	441	10				
UK	47	0	1		29	3	13	8	21	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

## Rajidae - Skates and rays

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

<b>GRT</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<400	117		3861	2825	2157	1556	962	847	387	
400-599	43	734	284	711	855	446	742	99	193	
600-799	12	13	23	360	1359	106	597	394	361	
800-999	947	81	1516	2833	2605	2243	1680	1414	1376	
1000-1499	280	349	957	816	469	610	1238	540	864	
1500-1999	213	260	131	475	183	102	158	120	80	
2000-2999	110	42	151	88	895	479	51	53	58	
≥3000	28	20	0		1		5	8	2	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

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

<b>LOA</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<45	1	27	83	50	72	16	4	275	43	
45-49	22	44	109	276	188	105	87	24	25	
50-54	213	812	3382	5045	4830	2851	3670	2283	2352	
55-59	929	41	2638	1583	1827	1445	614	296	247	
60-64	139	39	87	556	333	437	802	373	463	
65-69	118	280	163	192	63	44	76	45	49	
70-79	185	206	406	323	382	201	161	149	112	
80-89	104	46	42	80	819	432	5	16	23	
≥90	39	4	12	1	8	12	14	15	7	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

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

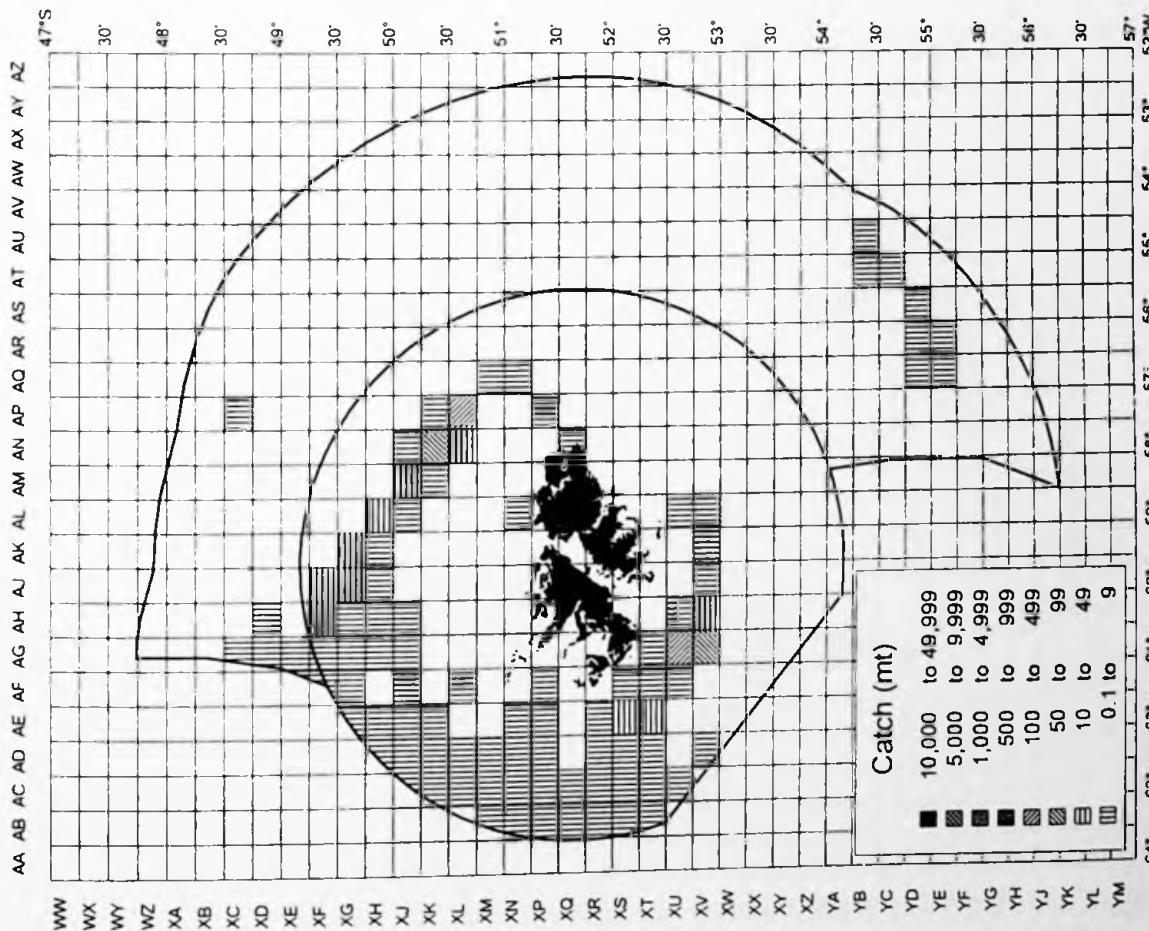
<b>BHP</b>	<b>1989</b>	<b>1990</b>	<b>1991</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>
<1000					29	3	3	273	31	
1000-1199	2	14	29	139	77	32	21	5	9	
1200-1399	95	89	118	203	104	6	44	22	21	
1400-1599	21	103	155	66	163	26	125	57	31	
1600-1799	13	76	39	50	11	33	38	35	96	
1800-1999	171	172	325	379	256	255	149	128	194	
2000-2499	366	892	2627	4529	3266	1834	2544	1006	1573	
2500-2999	898	80	3448	2634	3715	2855	2433	1868	1284	
3000-3999	114	40	131	33	874	474	59	60	56	
≥4000	68	34	50	75	29	25	16	20	26	
	<b>1749</b>	<b>1500</b>	<b>6923</b>	<b>8108</b>	<b>8523</b>	<b>5542</b>	<b>5432</b>	<b>3475</b>	<b>3320</b>	

1995

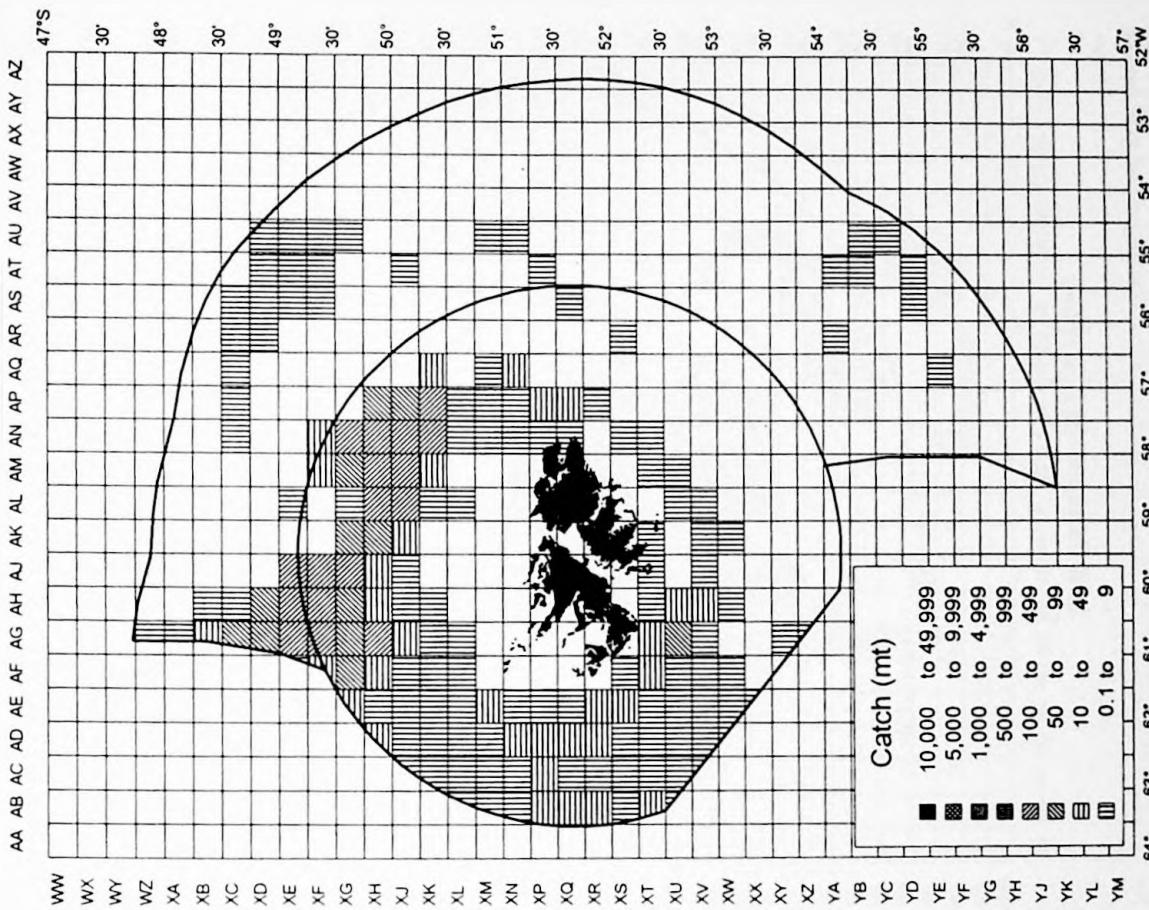
## Rajidae

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



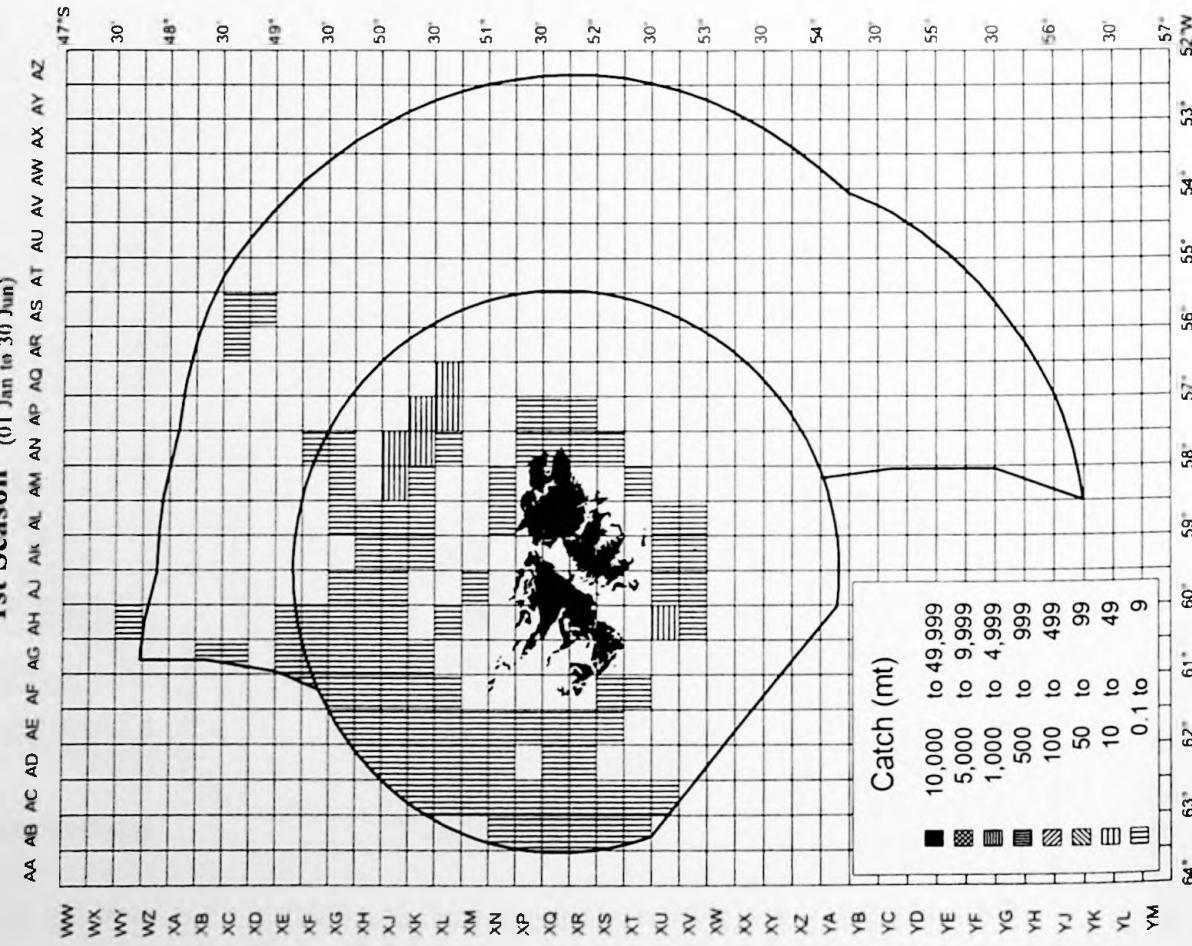
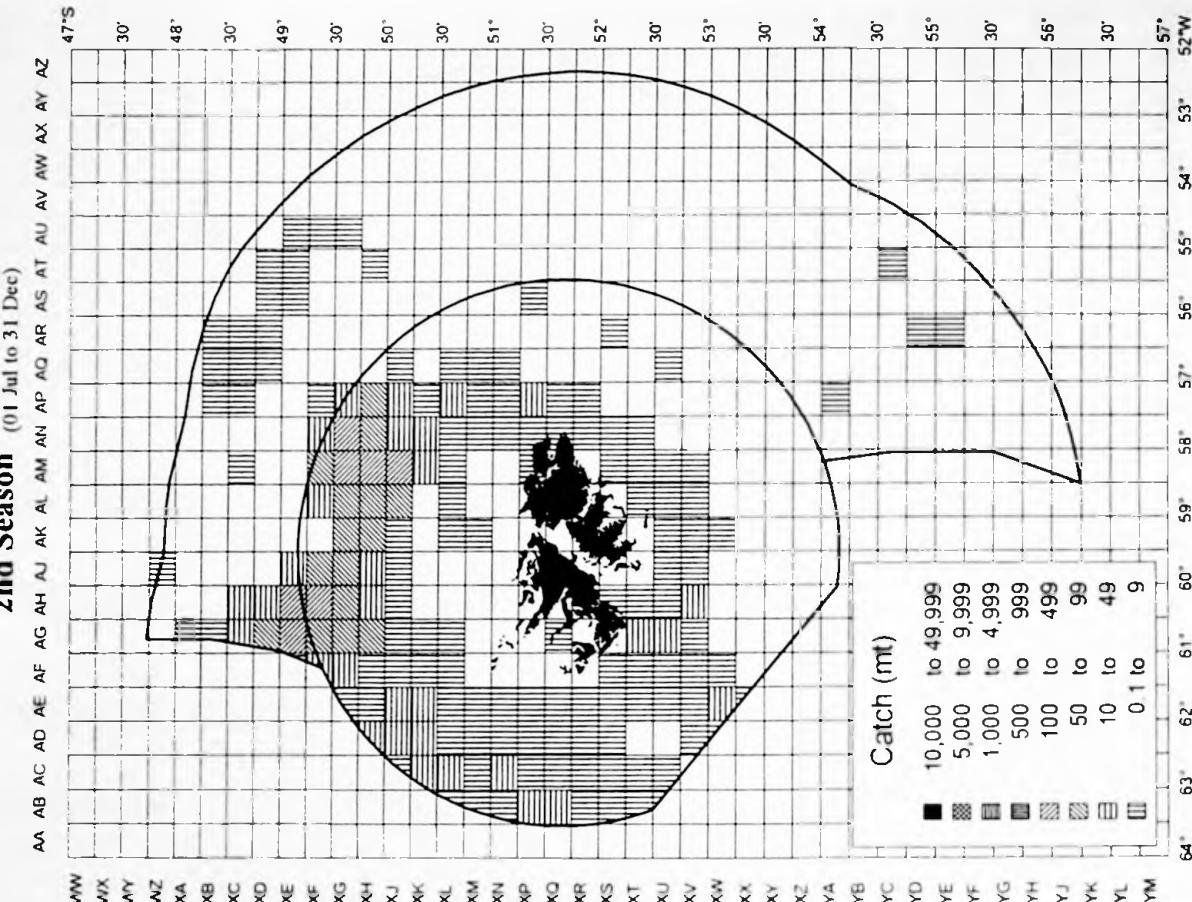
### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

## Rajidae - Skates and rays

Catch (mt) by grid square

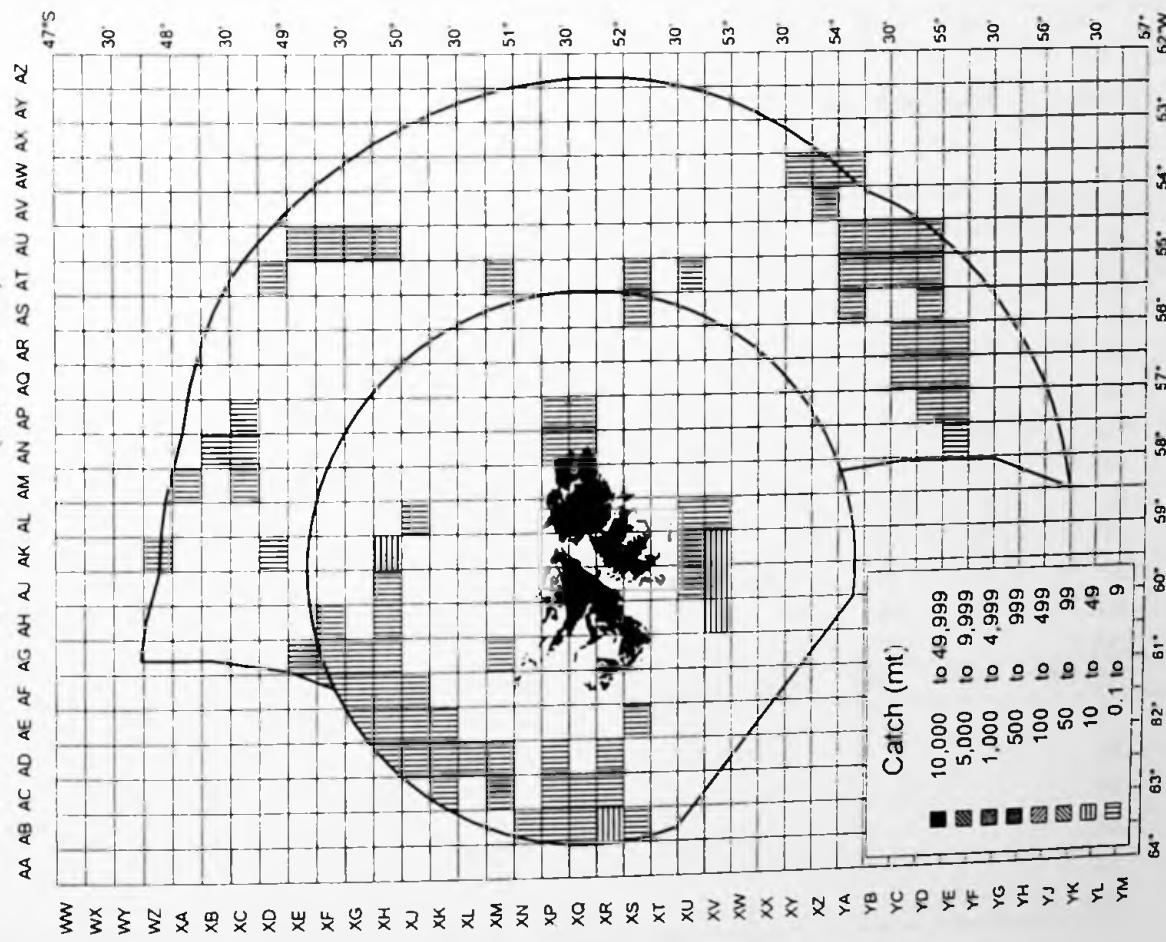
**1st Season (01 Jan to 30 Jun)****2nd Season (01 Jul to 31 Dec)**

1997

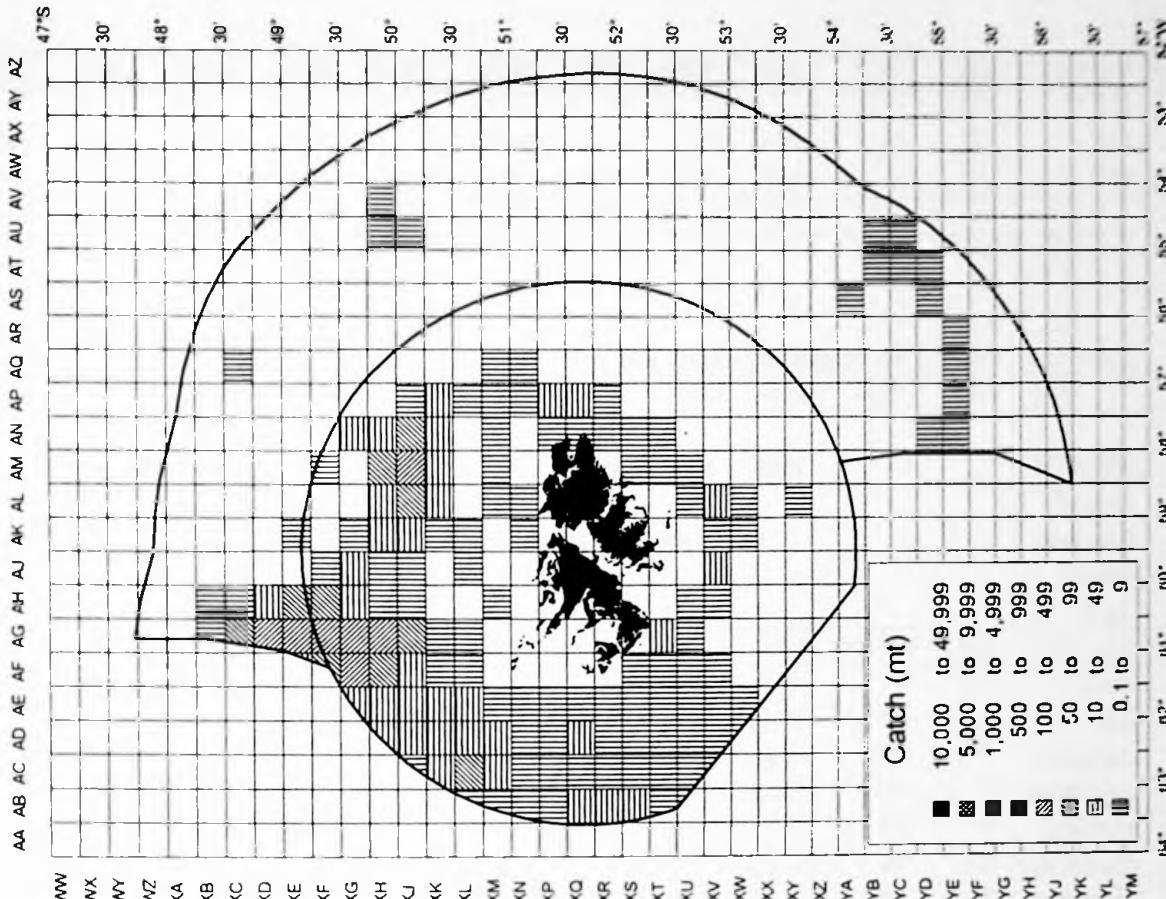
## Rajidae

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)



***Dissostichus eleginoides* - Patagonian toothfish**

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	7	0	3	24		3	22	1	0	
LO				120	8	2733	1746	513	1000	
TR	229	208	978	767	385	227	301	172	208	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January				27	33	57	315	24	204	
February	0	44	24	77	35	25	183	11	127	
March	1	3	60	113	15	11	123	14	128	
April	2	2	33	87	29	218	221	14	98	
May		10	8	44	40	366	214	4	28	
June	3	0		3	9	457	92	9		
July	8	1	22	0	7	435	47	7	9	
August	40	74	186	145	41	230	181	107	30	
September	4	42	411	241	50	198	212	137	117	
October	1	21	108	53	71	295	148	136	300	
November	81	4	108	113	48	397	190	107	33	
December	96	7	18	9	14	274	142	116	134	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	180	2								
CL				120	2	2733	1311	1	0	
ES	1	201	972	626	259	147	189	77	109	
FK				0	11	18	34	50	178	
FR						0	1	3	0	
GR	3									
HN				0	22	30	5	27	7	
IS								130	112	
IT				21	23	23	1			
JP	50	2	0	0	2	0	0	1	0	
KR			3	90	54	31	488	386	644	
NA									2	
NO		2						29	148	
PA			4	22	7	3	9			
PL				0						
PT		1	0	3	1		8	0		
SC									1	
SL				8	2	0				
UK	3		1		2	1	1	1	12	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

*Dissostichus eleginoides* - Patagonian toothfish

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400			3	50	40	6	455	385	766	
400–599		26	144	243	58	2424	1185	137	114	
600–799		6	43	123	32	343	174	27	22	
800–999	0	32	146	168	40	42	82	27	142	
1000–1499	4	72	493	174	113	121	92	58	116	
1500–1999	3	66	48	114	50	9	52	22	36	
2000–2999	185	3	103	40	57	18	28	29	11	
≥3000	45	2	0	0	2	0	0	1	0	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		0	164	84	18	958	8	159	382	
45–49		36	95	246	42	1815	984	12	7	
50–54	0	27	105	167	103	53	870	395	658	
55–59		4	23	90	29	21	59	28	36	
60–64		0	46	133	48	34	53	29	53	
65–69		0	70	312	76	6	4	40	12	20
70–79		7	67	220	78	125	69	50	48	48
80–89	184	3	5	36	17	8	3	1	4	
≥90	45	2	12	1	5	1	2	1	0	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					2	1	359	29	148	
1000–1199		0	55	87	10	2423	818	131	112	
1200–1399		41	184	232	29	5	13	17	12	
1400–1599		24	93	80	43	25	473	361	9	
1600–1799			155	56	8	13	25	12	632	
1800–1999	0	30	209	169	67	95	74	34	79	
2000–2499	6	99	168	145	81	334	209	38	169	
2500–2999	4	1	12	73	91	46	66	32	24	
3000–3999	188	11	87	32	44	16	28	30	22	
≥4000	38	2	17	37	16	2	3	2	2	
	<b>236</b>	<b>208</b>	<b>980</b>	<b>912</b>	<b>393</b>	<b>2963</b>	<b>2069</b>	<b>685</b>	<b>1208</b>	

*Dissostichus eleginoides* - Patagonian toothfish

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400						3	2	1	0	
800-999					11		17			
1000-1499			3		13		3			
1500-1999	3	0								
2000-2999	2									
≥3000	2									
	7	0	3	24		3	22	1	0	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
50-54				3	24		17	0	0	
55-59						3	5	0		
70-79	3	0								
80-89	2									
≥90	2									
	7	0	3	24		3	22	1	0	

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
2000-2499				3	24		5	0	0	
2500-2999	3					3	18	0		
3000-3999	2	0								
≥4000	2									
	7	0	3	24		3	22	1	0	

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400					8		435	383	766	
400-599				101		2418	1166	130	112	
600-799				3		315	145			
800-999				17					122	
				120	8	2733	1746	513	1000	

*Dissostichus eleginoides* - Patagonian toothfish

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45				3		956	8	159	382	
45–49				98		1778	943			
50–54					8		794	354	618	
55–59				19						
					120	8	2733	1746	513	1000

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

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000							359	29	148	
1000–1199				9		2418	806	130	112	
1200–1399				95						
1400–1599				17			435	354		
1600–1799					8				618	
2000–2499						315	145		122	
					120	8	2733	1746	513	1000

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400			3	50	32	3	19	2		
400–599		26	144	142	58	5	19	7	2	
600–799		6	43	120	32	28	29	27	22	
800–999	0	32	146	140	40	42	65	27	20	
1000–1499	4	72	490	161	113	121	88	58	116	
1500–1999		66	48	114	50	9	52	22	36	
2000–3999	183	3	103	40	57	18	28	29	11	
≥3000	42	2	0	0	2	0	0	1	0	
	229	208	978	767	385	227	301	172	208	

*Dissostichus eleginoides* - Patagonian toothfish

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		0	164	81	18	3	0		0	
45–49		36	95	148	42	37	40	12	7	
50–54	0	27	102	143	95	53	58	41	40	
55–59		4	23	71	29	18	54	28	36	
60–64	0		46	133	48	34	53	29	53	
65–69	0	70	312	76	6	4	40	12	20	
70–79	4	67	220	78	125	69	50	48	48	
80–89	183	3	5	36	17	8	3	1	4	
≥90	42	2	12	1	5	1	2	1	0	
	<b>229</b>	<b>208</b>	<b>978</b>	<b>767</b>	<b>385</b>	<b>227</b>	<b>301</b>	<b>172</b>	<b>208</b>	

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

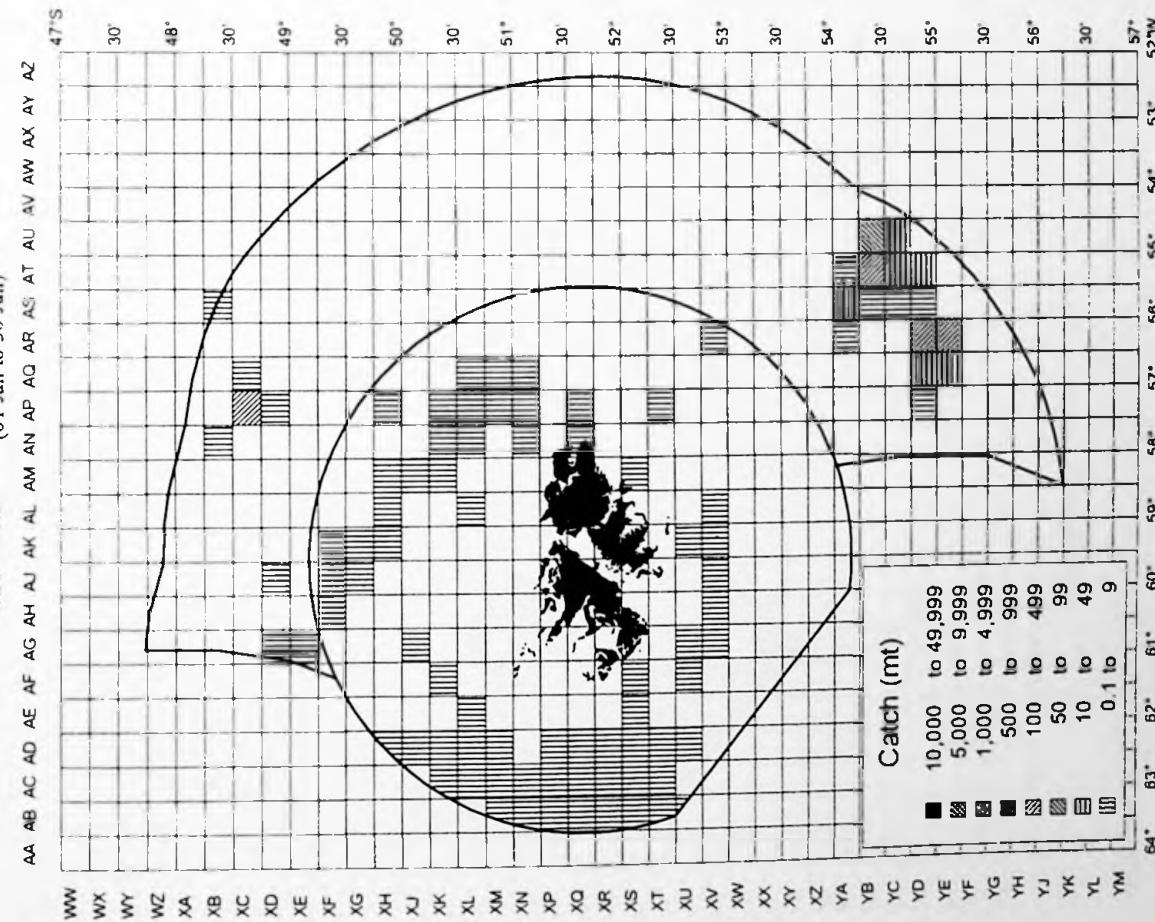
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					2	1				
1000–1199	0	55	78	10	5	11	1			
1200–1399	41	184	137	29	5	13	17	12		
1400–1599	24	93	64	43	25	39	7	9		
1600–1799		155	56	1	13	25	12	14		
1800–1999	0	30	209	169	67	95	74	34	79	
2000–2499	6	99	166	121	81	19	59	38	47	
2500–2999	1	1	12	73	91	43	49	31	24	
3000–3999	186	11	87	32	44	16	28	30	22	
≥4000	36	2	17	37	16	2	3	2	2	
	<b>229</b>	<b>208</b>	<b>978</b>	<b>767</b>	<b>385</b>	<b>227</b>	<b>301</b>	<b>172</b>	<b>208</b>	

1995

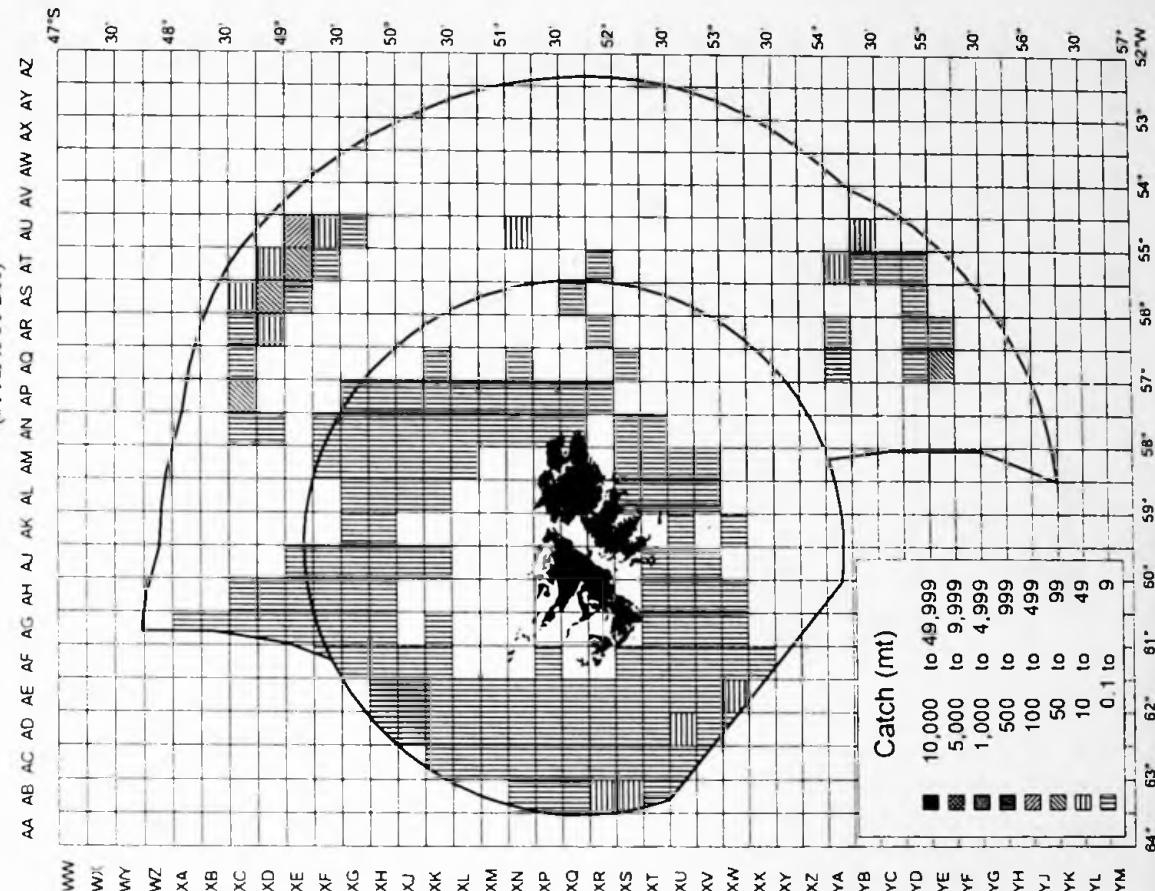
## *Dissostichus eleginoides*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

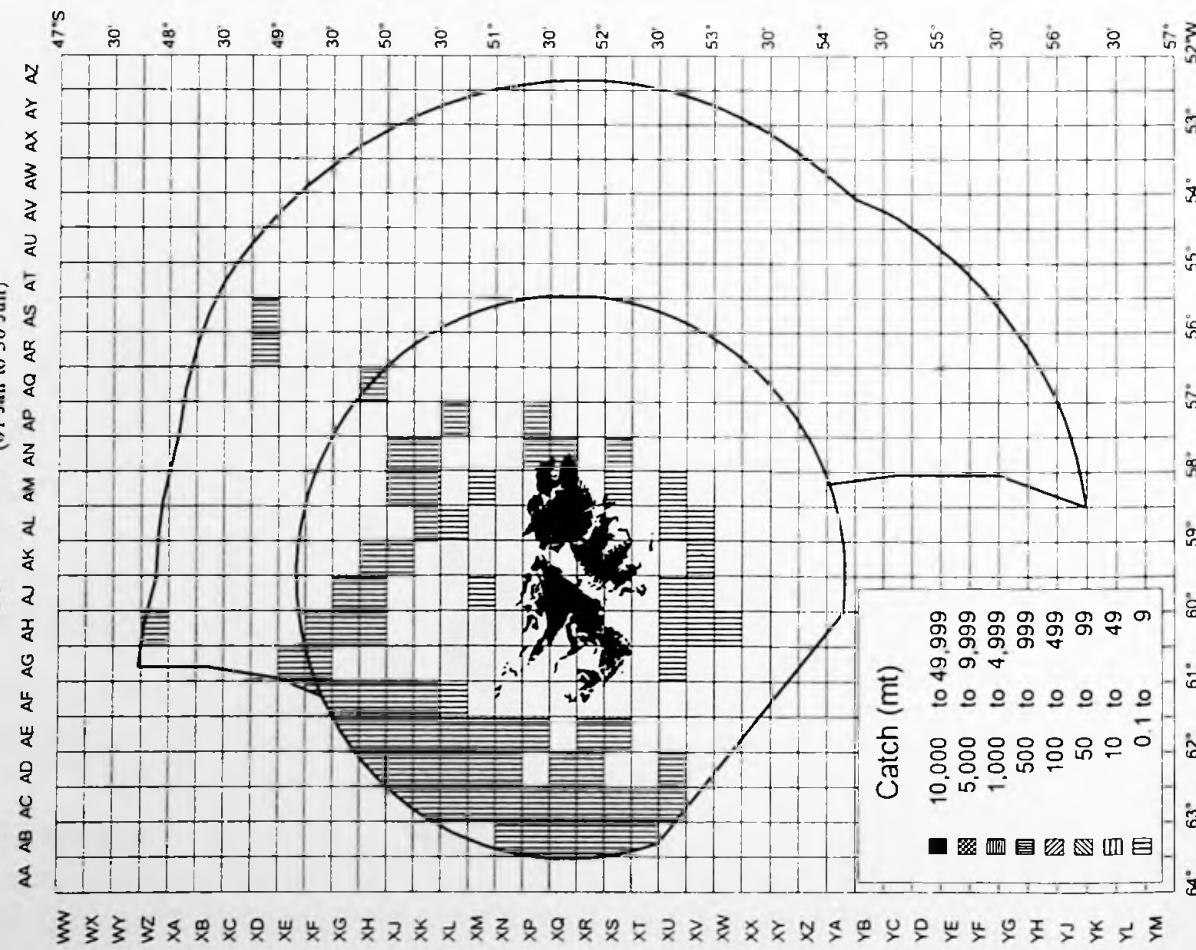
*Dissostichus eleginoides* - Patagonian toothfish

1996

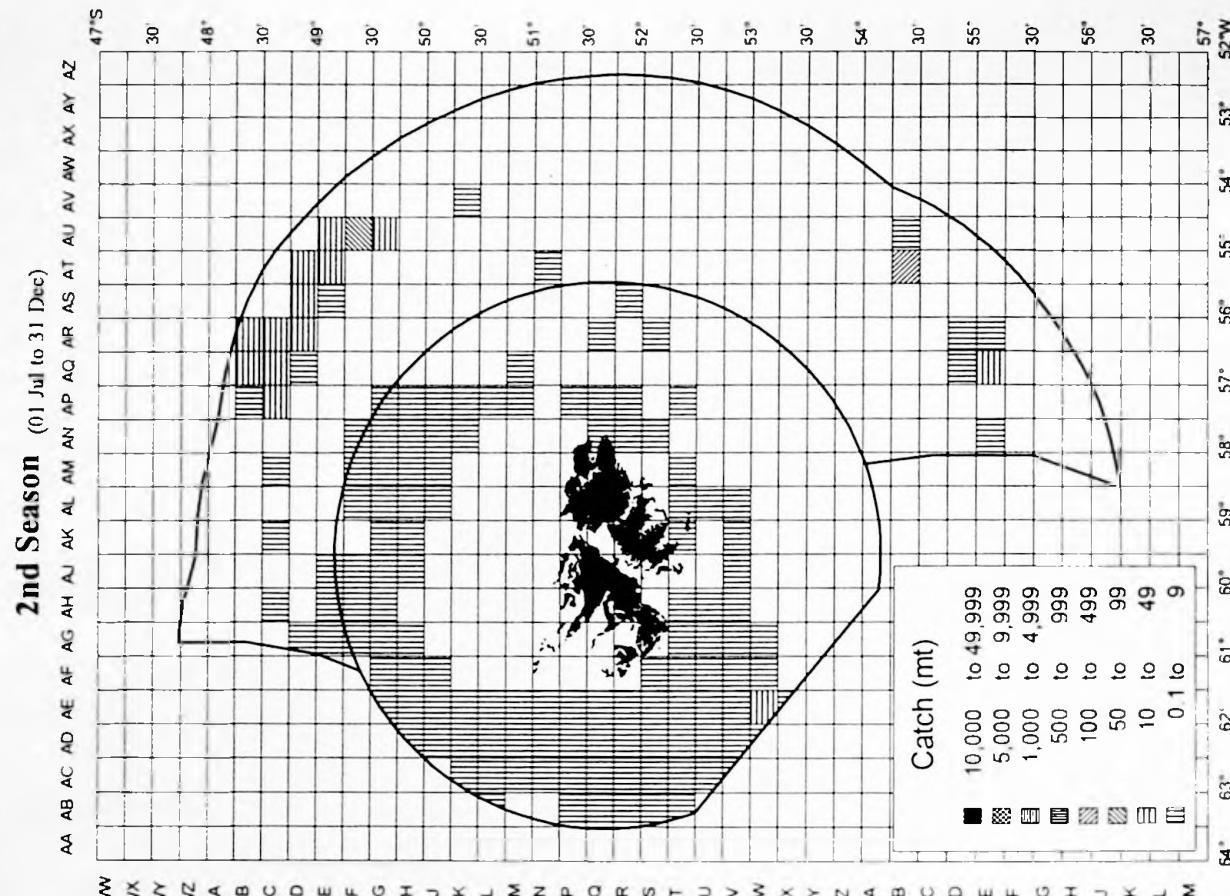
*Dissostichus eleginoides*

Catch (mt) by grid square

## 1st Season (01 Jan to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



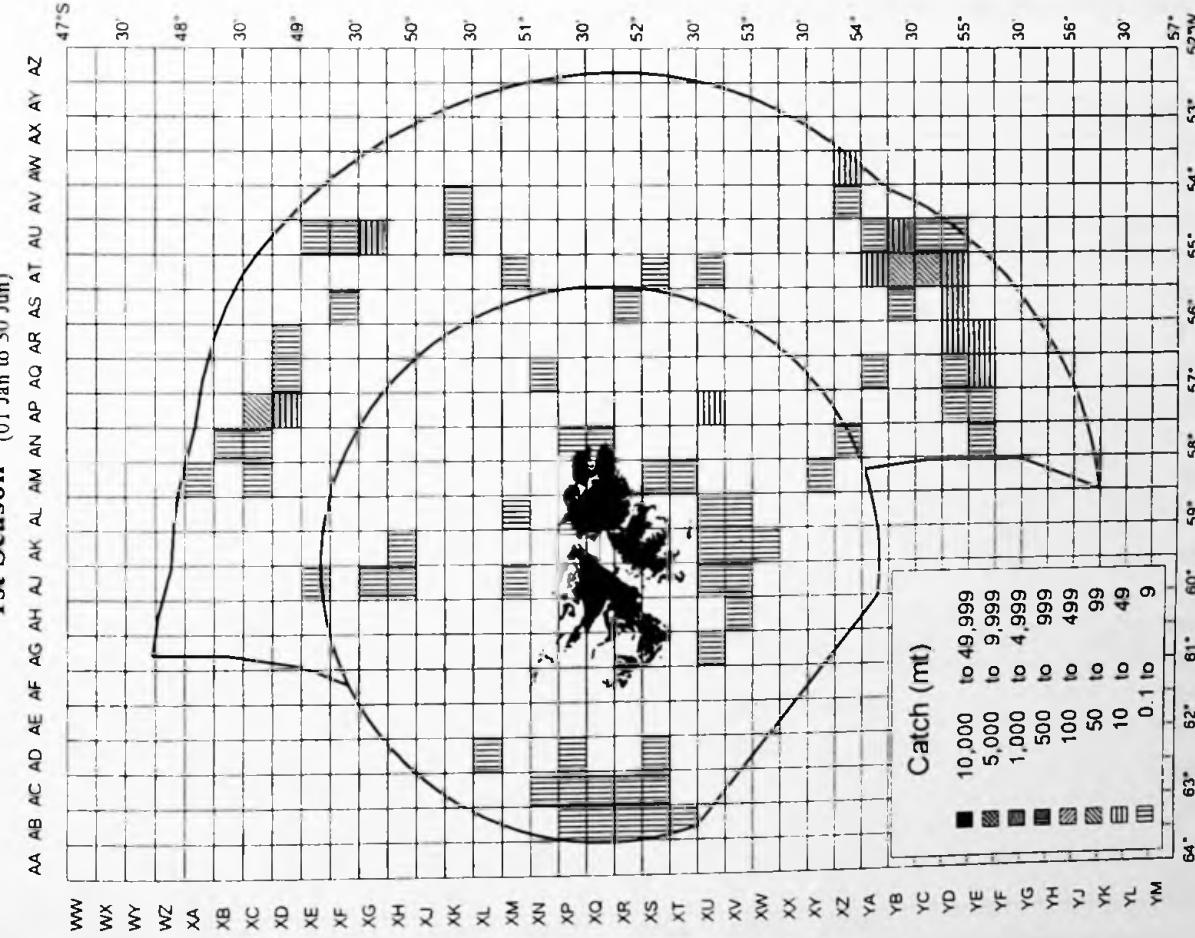
1997

### *Dissostichus eleginoides*

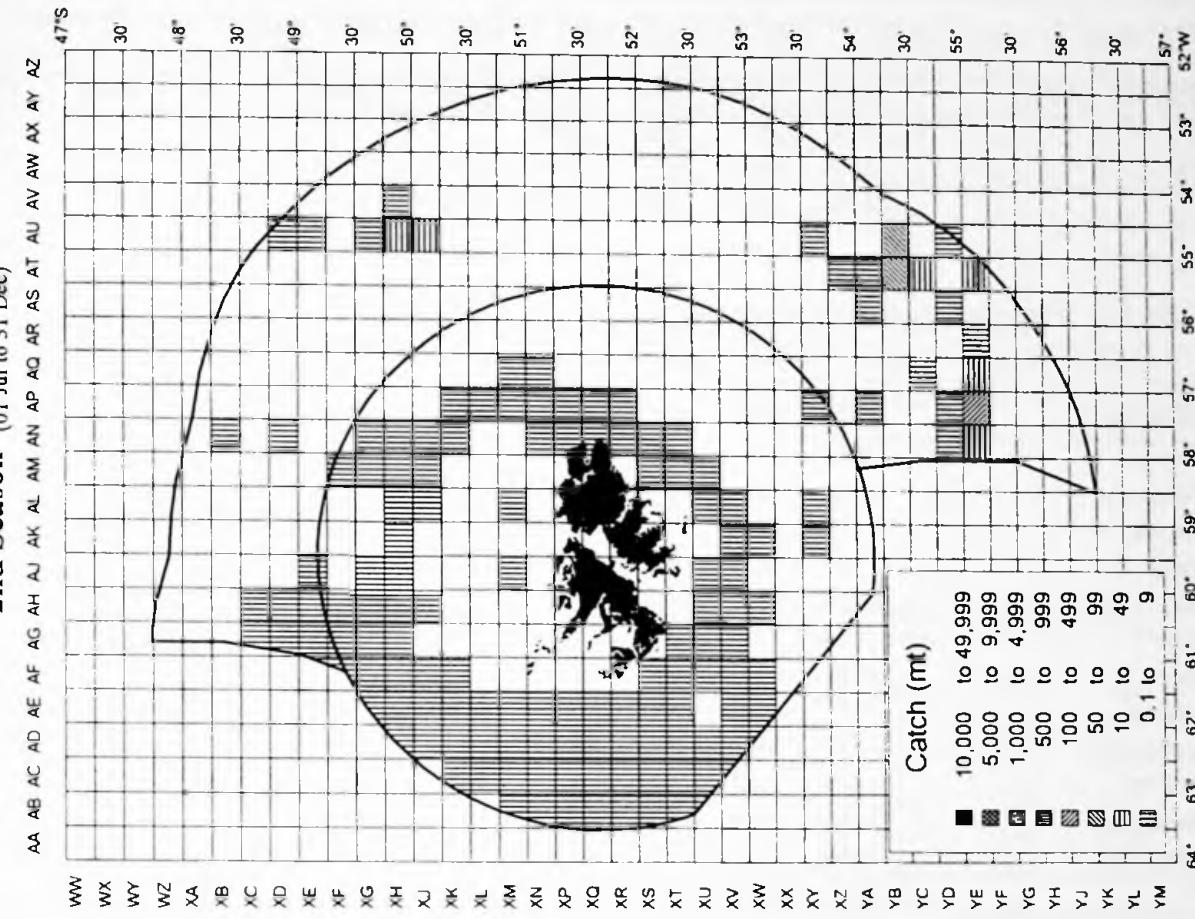
FICZ and FOCZ

Catch (mt) by grid square

#### 1st Season (01 Jan to 30 Jun)



#### 2nd Season (01 Jul to 31 Dec)



*Macruronus magellanicus - Hoki*

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>CO</b>	8145	3900	1088	1847	1	329	783	32	256	
<b>TR</b>	5168	3653	3411	12341	8505	9735	14820	13782	12750	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>January</b>	2370		196	178	120	536	87	174	218	
<b>February</b>	2626	242	225	380	166	566	329	376	469	
<b>March</b>	155	1784	631	595	672	582	1993	3528	581	
<b>April</b>	75	2239	661	1297	707	384	2102	2073	416	
<b>May</b>	131	417	21	128	309	716	1964	742	156	
<b>June</b>	17	65	52	51	133	820	1108	586		
<b>July</b>	1866	517	391	77	136	688	1004	692	1004	
<b>August</b>	457	429	407	760	437	430	1321	1157	1175	
<b>September</b>	237	407	370	1364	689	1471	1291	587	1559	
<b>October</b>	526	361	627	4664	2193	2554	2028	1859	4973	
<b>November</b>	1785	370	746	4618	2445	702	1254	1545	2142	
<b>December</b>	3069	720	171	76	499	616	1123	495	313	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<b>BG</b>	1883	913	40	44						
<b>CL</b>	1	5			2			1	61	
<b>ES</b>	425	1782	2973	5080	5608	6737	10655	7772	7425	
<b>FK</b>	0			44	58	98	864	2560	1843	
<b>FR</b>						114	15	30		
<b>GR</b>	73									
<b>HN</b>			57	940	251	797	1068	92		
<b>IS</b>									62	
<b>IT</b>				54	392	329	22			
<b>JP</b>	1217	288	6	14	409	18	554	544	644	
<b>KR</b>	115	87	71	4283	908	1359	1238	1892	2673	
<b>NA</b>									98	
<b>NL</b>		0								
<b>NO</b>		28								
<b>PA</b>			61	1683	214	191	223	339		
<b>PL</b>	9565	4196	1281	1500	398	48		133		
<b>PT</b>	1	250	9	48	4	80	884	364		
<b>RU</b>						9				
<b>SC</b>									35	
<b>SL</b>				498	93	281				
<b>UK</b>	33	4	0		169	3	80	86	166	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

*Macruronus magellanicus* - Hoki

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	74		149	3858	291	363	948	488	256	
400–599		208	90	831	938	1159	596	311	92	
600–799	11	46	62	480	888	1491	881	1526	1578	
800–999	52	246	396	3298	626	1121	1840	2048	1683	
1000–1499	5039	3813	1963	1421	3098	4027	5182	4134	7211	
1500–1999	143	975	492	2512	847	1325	4795	3645	766	
2000–2999	6945	1970	1341	1774	1408	561	807	983	716	
≥3000	1049	295	6	14	409	18	554	678	705	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		10	143	327	284	666	35		1	
45–49	0	249	260	469	486	796	1616	1287	842	
50–54	85	221	292	4266	2145	3558	2005	2872	3016	
55–59	42	111	79	3237	1078	451	1990	2273	3051	
60–64	14	94	230	1453	358	1177	2869	986	1868	
65–69	1	168	451	493	767	1469	3049	1440	1394	
70–79	5312	4463	2161	2166	2109	1630	3427	3904	2112	
80–89	6642	1854	692	1623	653	207	55	364	6	
≥90	1218	384	189	155	626	108	557	688	717	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

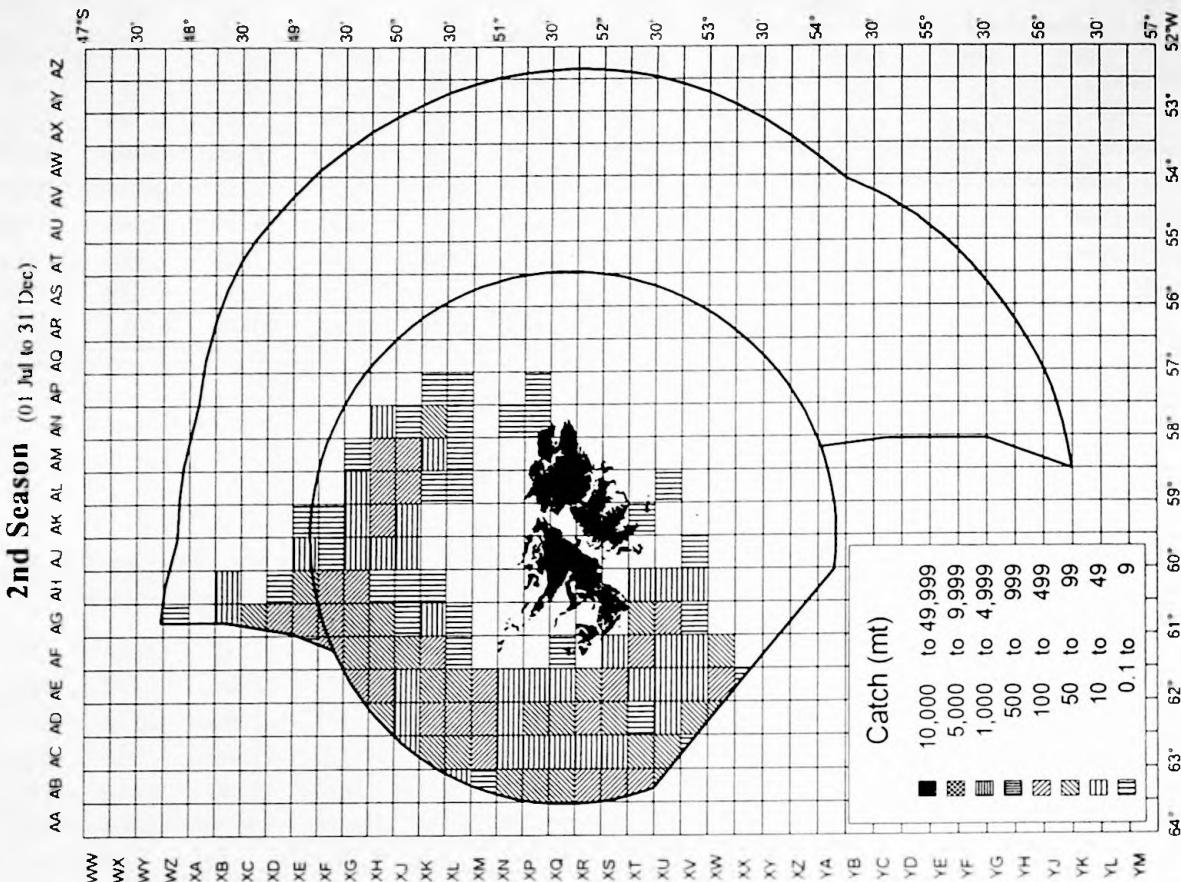
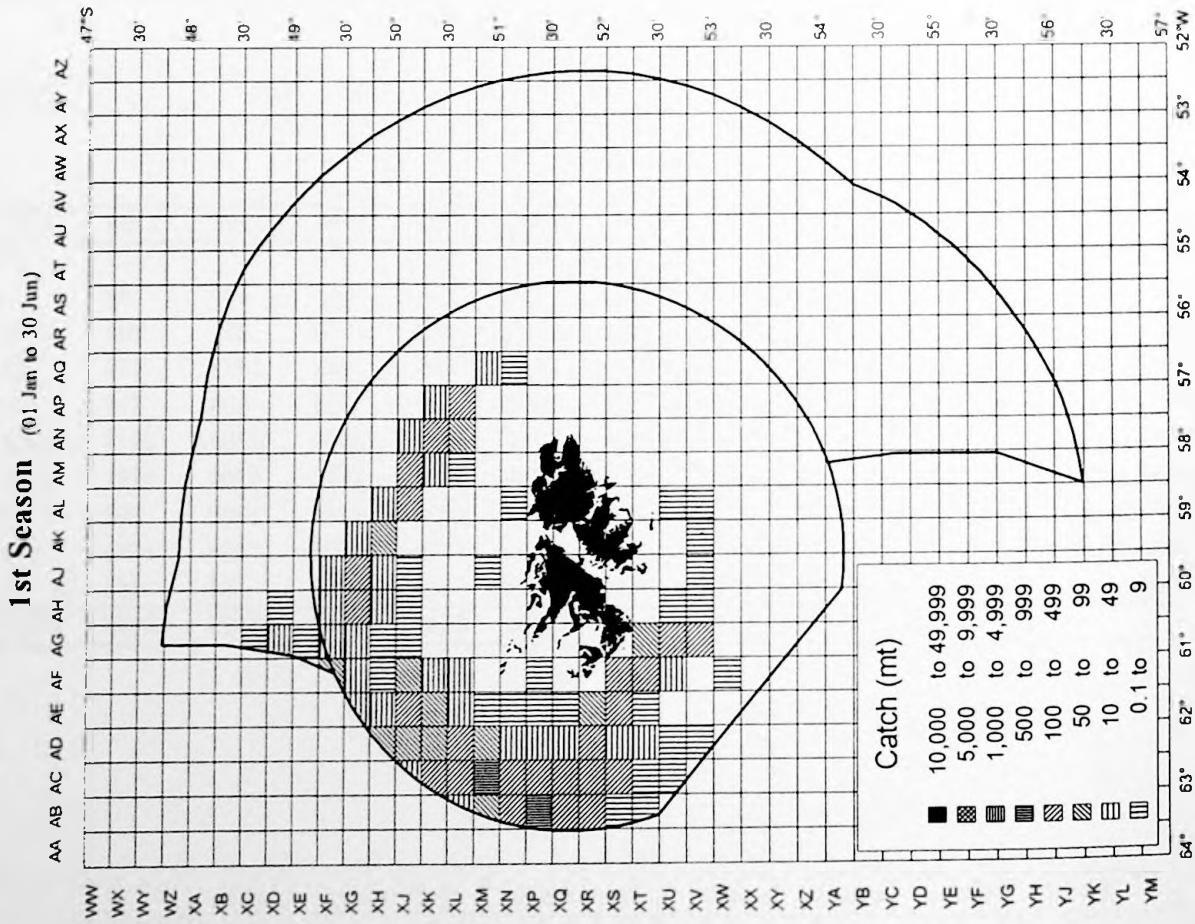
Table M.6 Total catch (tonnes) by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					169	3		11		
1000–1199		1	132	214	94	465	446	69		
1200–1399		286	120	328	588	70	239	809	734	
1400–1599	11	267	276	345	666	948	1433	838	729	
1600–1799		0	72	332	8	226	564	719	524	
1800–1999	0	517	888	1130	2057	3300	3269	2975	5252	
2000–2499	303	560	617	6066	2080	2897	6269	5391	2696	
2500–2999	9202	4033	1294	4941	1026	1472	1929	862	1424	
3000–3999	3073	1569	770	260	1150	623	894	1586	932	
≥4000	724	318	330	574	669	60	561	554	717	
	<b>13313</b>	<b>7553</b>	<b>4499</b>	<b>14188</b>	<b>8506</b>	<b>10064</b>	<b>15603</b>	<b>13813</b>	<b>13006</b>	

## ***Macruronus magellanicus* - Hoki**

1995

FICZ and FOCZ



Catch (mt) by grid square

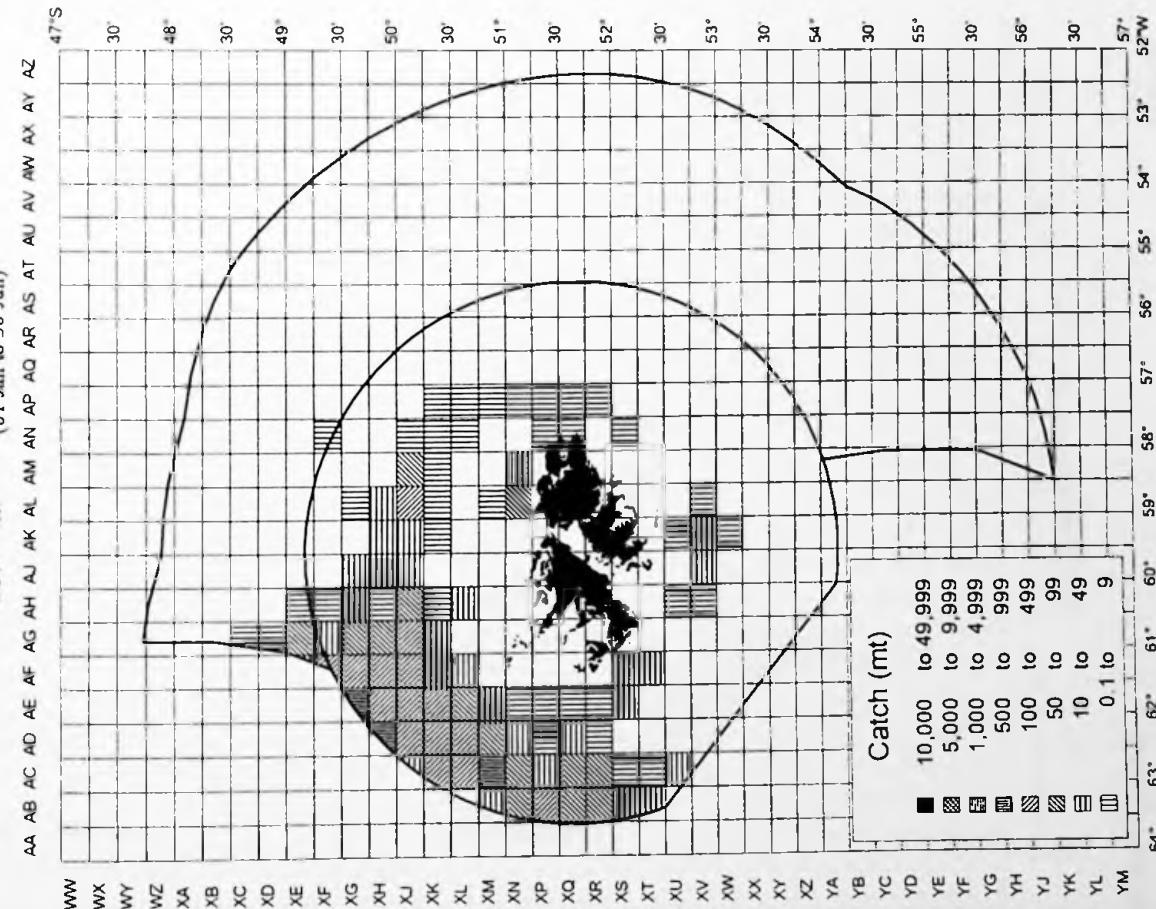
## *Macrourus magellanicus*

1996

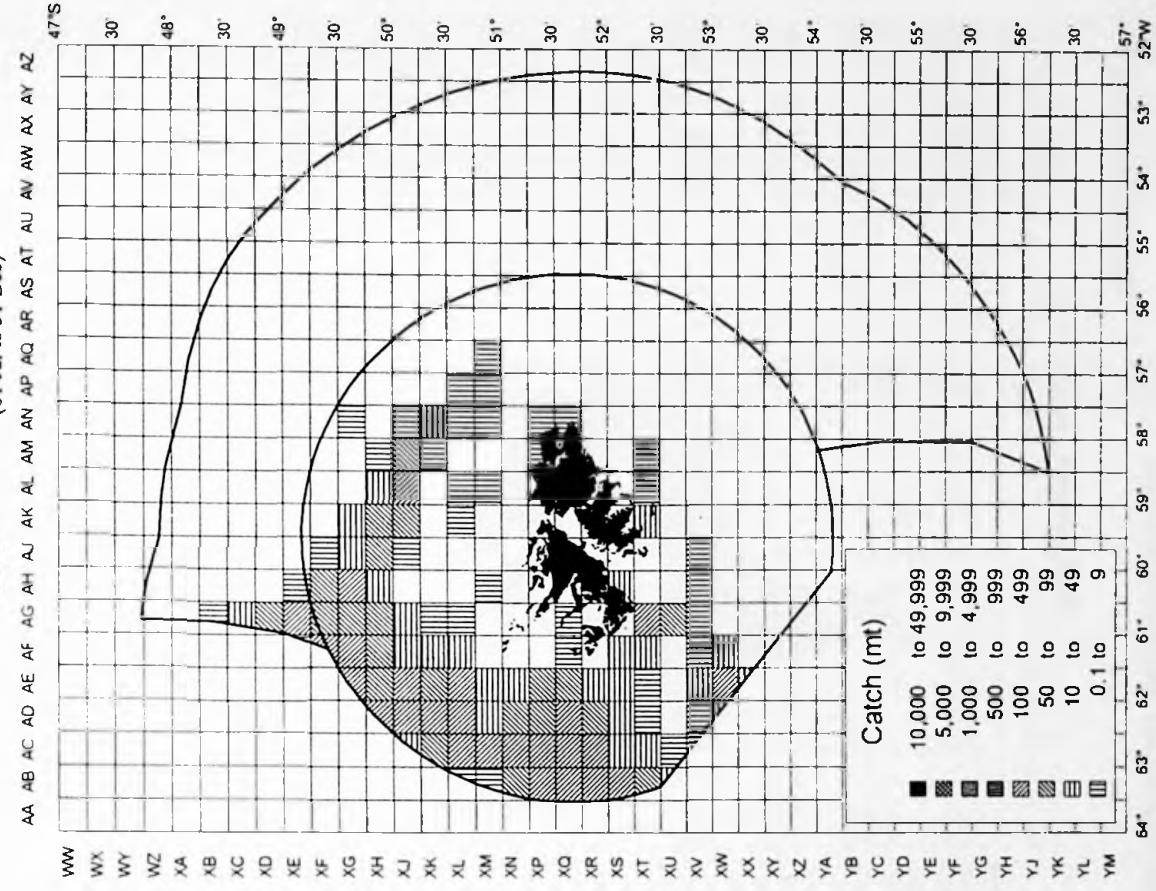
## *Macruronus magellanicus*

FICZ and FOCZ

### 1st Season (01 Jan to 30 Jun)



### 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

1997

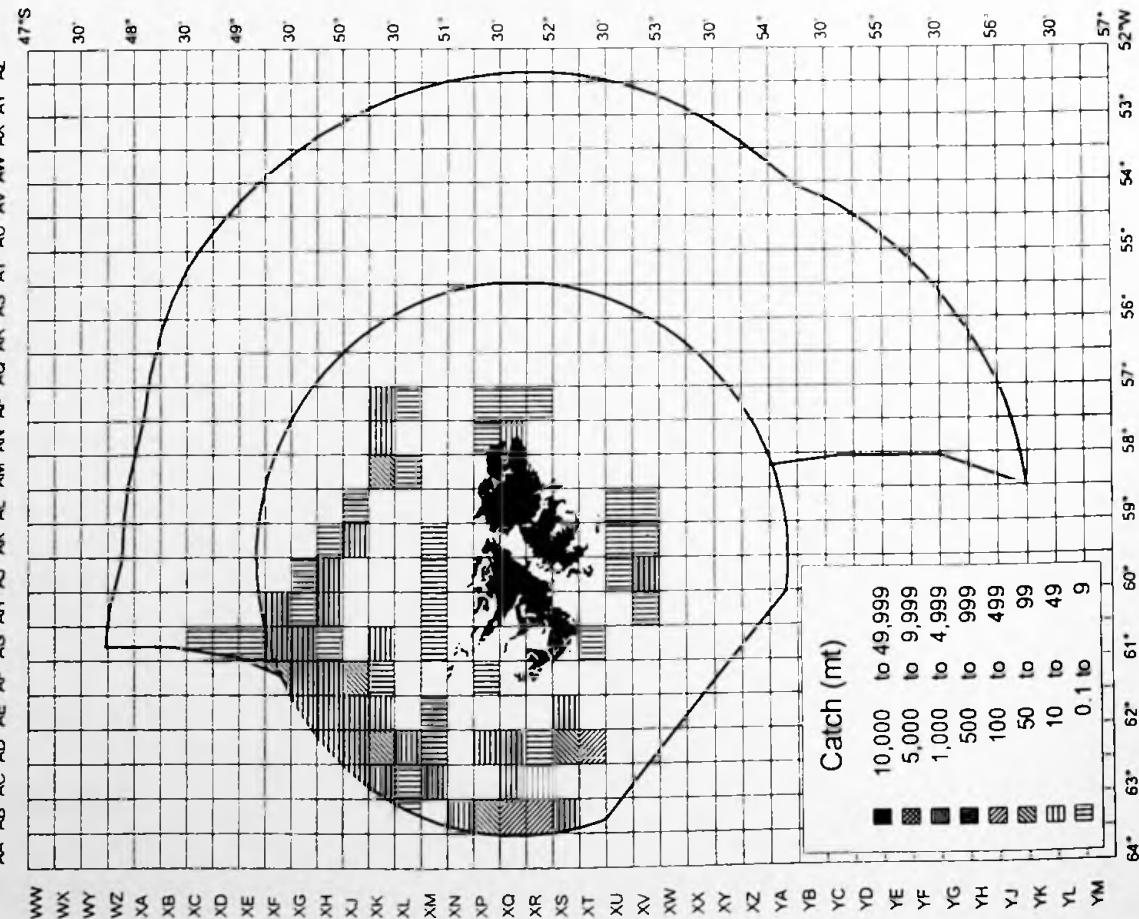
## *Macruronus magellanicus*

FICZ and FOCZ

Catch (mt) by grid square

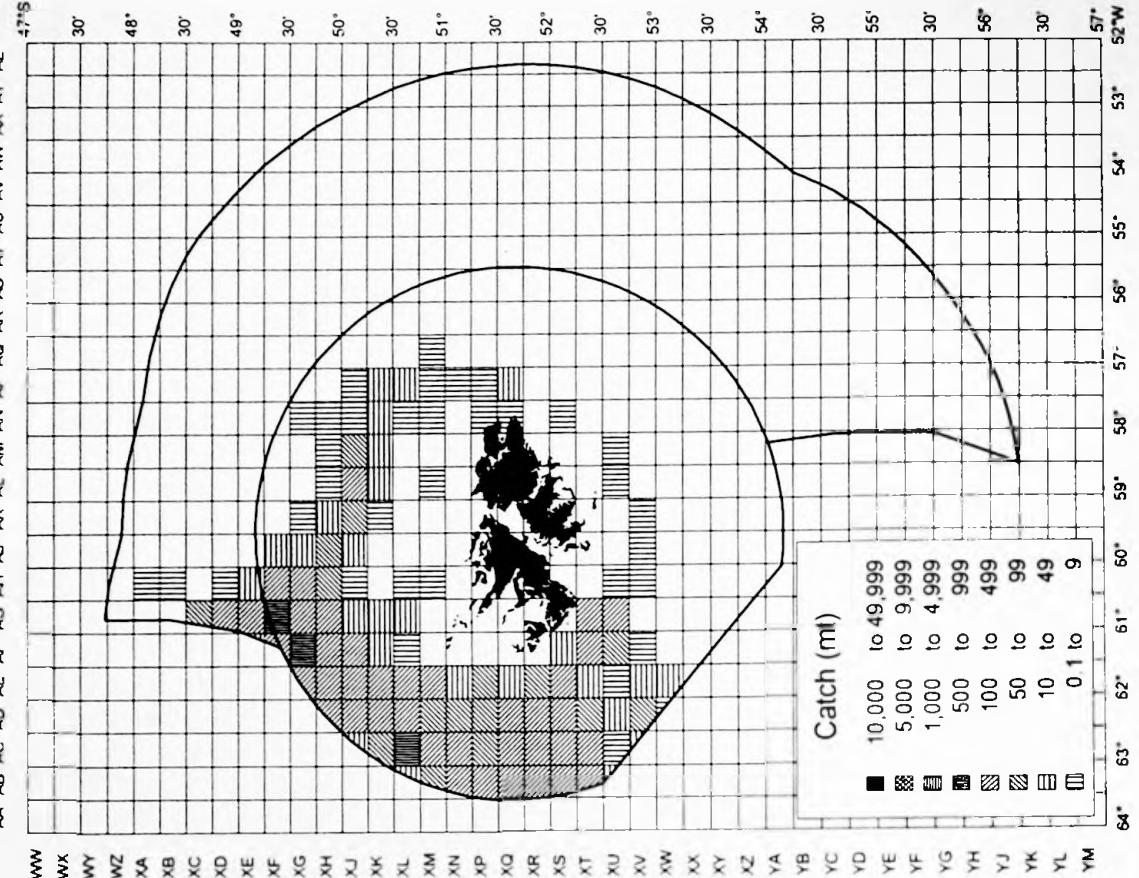
### 1st Season (01 Jan to 30 Jun)

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



### 2nd Season (01 Jul to 31 Dec)

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AY AZ



## Others

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	232	143	12	13			17		10	
LO				8		107	110	164	150	
TR	4804	1846	2305	1172	890	317	1387	1851	757	
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January				36	7	9	17	17	36	
February	29		26	26	9	11	11	21	81	
March	13	81	42	40	1	10	64	180	60	
April	21	115	18	20	21	8	60	75	94	
May	2	54	1	1	8	29	22	19	50	
June	1			0	1	7	8	10		
July	142	1	29	3	1	11	24	16	36	
August	278	59	166	204	14	20	125	245	67	
September	23	24	330	406	107	40	173	776	236	
October	104	1	155	66	280	166	832	486	205	
November	2611	286	1414	376	430	99	132	113	36	
December	1813	1369	137	16	13	15	45	57	16	
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	4488	1770	1478							
CL	0			8		107	53	0	1	
ES	72	64	815	1053	550	219	1090	948	387	
FK	0			22	78	17	50	370	181	
FR						8	15	2		
GR	1									
HN					18	57	2	4	12	
IS								83	53	
IT	0			35	65	44	1			
JP	251	4		0	16	0	76	101	103	
KR	1	75	1	39	97	6	96	361	113	
NA									4	
NO								17	31	
PA				18	8		4	43		
PL	217	65	5	5	22			26		
PT	2	11	0		0	5	103		5	
RU						7				6
SC										
SL					6	0				
TW						0				
UK		2				5	0	21	48	38
UR							8			
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

## Others

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	1		10	27	0	1	73	178	80	
400–599	2	1	119	297	297	149	222	146	59	
600–799			2	178	67	50	154	542	150	
800–999	15		93	114	71	33	160	157	77	
1000–1499	131	23	443	188	282	133	486	448	227	
1500–1999	64	58	14	349	84	41	292	157	76	
2000–2999	4608	1836	1637	40	73	8	52	263	143	
≥3000	215	72	0	16	8	76	123	104		
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		1	119	185	94	92	1	99	110	
45–49	15		15	235	154	102	415	72	15	
50–54	1	4	96	102	242	65	148	654	219	
55–59	5		4	83	7	6	112	413	73	
60–64	22	3	14	195	55	26	252	27	34	
65–69	20	54	284	68	65	10	257	235	142	
70–79	149	24	220	298	200	113	231	297	161	
80–89	4607	1903	1556	26	57	1	1	33	24	
≥90	215	1	9	0	16	8	97	185	139	
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

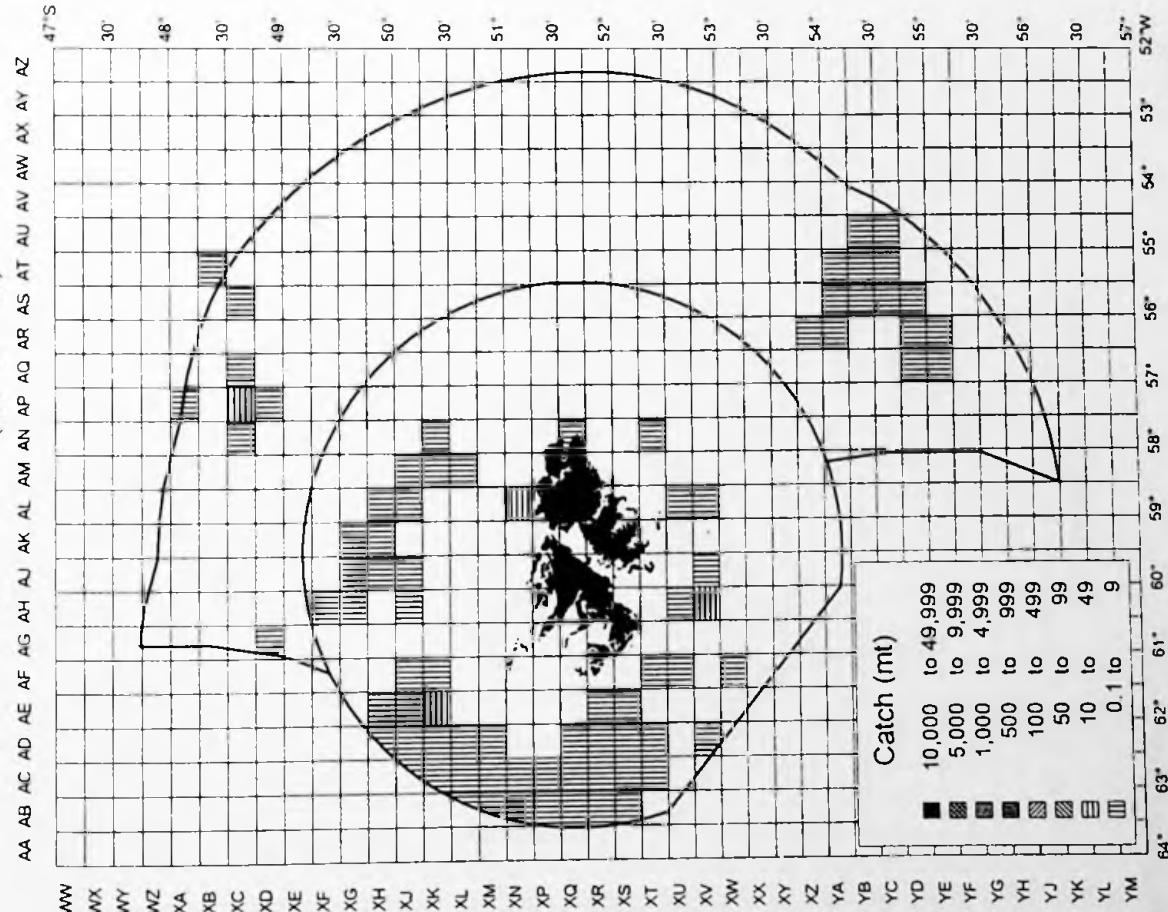
Table N.6 Total catch (tonnes) by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					5	0	19	17	31	
1000–1199		1		108	106	109	199	83	51	
1200–1399	2		194	183	156	11	18	432	116	
1400–1599	13	4	18	160	108	87	369	103	32	
1600–1799			189	98			39	77	44	
1800–1999	14	1	181	203	155	101	390	356	181	
2000–2499	41	57	85	301	69	77	284	346	97	
2500–2999	251	76	18	102	221	21	31	163	76	
3000–3999	4555	1773	1550	17	55	17	66	252	138	
≥4000	160	77	82	22	16	0	98	188	149	
	<b>5036</b>	<b>1989</b>	<b>2317</b>	<b>1192</b>	<b>890</b>	<b>423</b>	<b>1514</b>	<b>2015</b>	<b>916</b>	

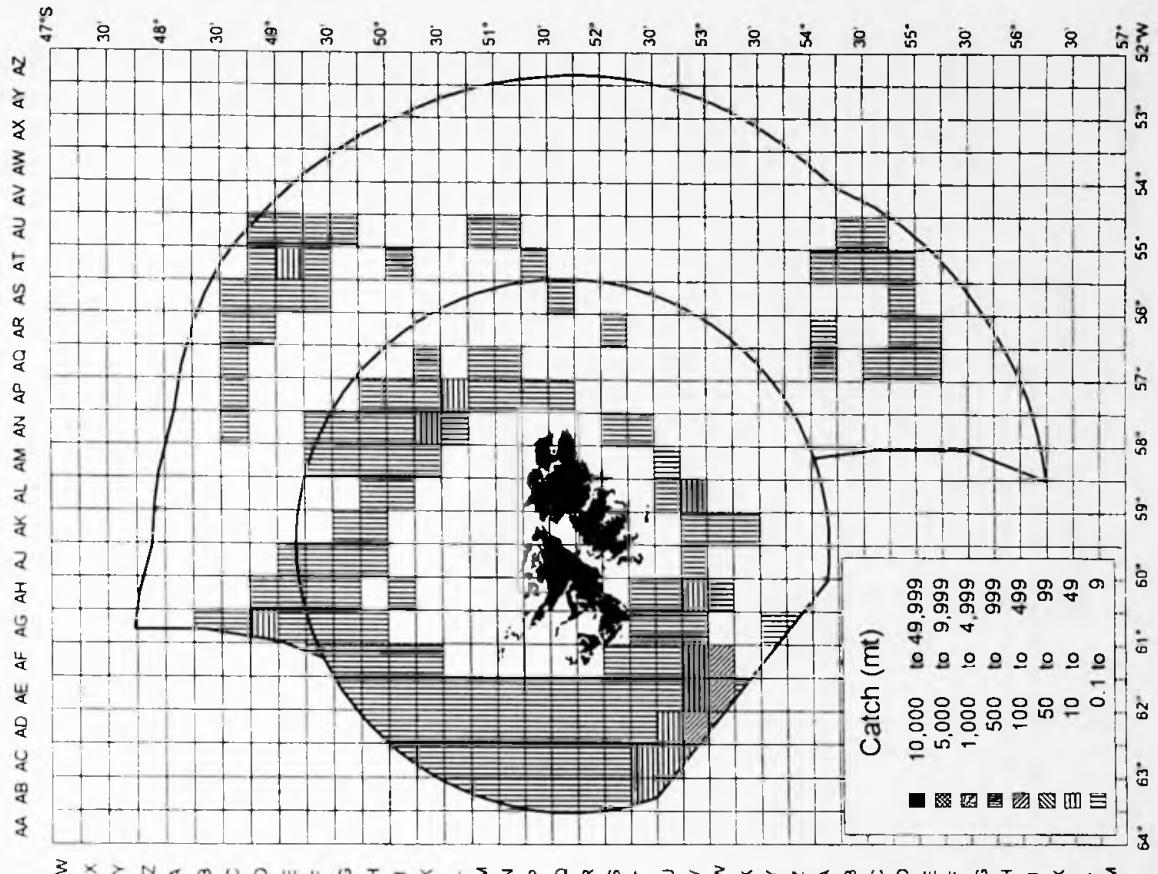
1995

Catch (mt) by grid square

### 1st Season (01 Jan to 30 Jun)



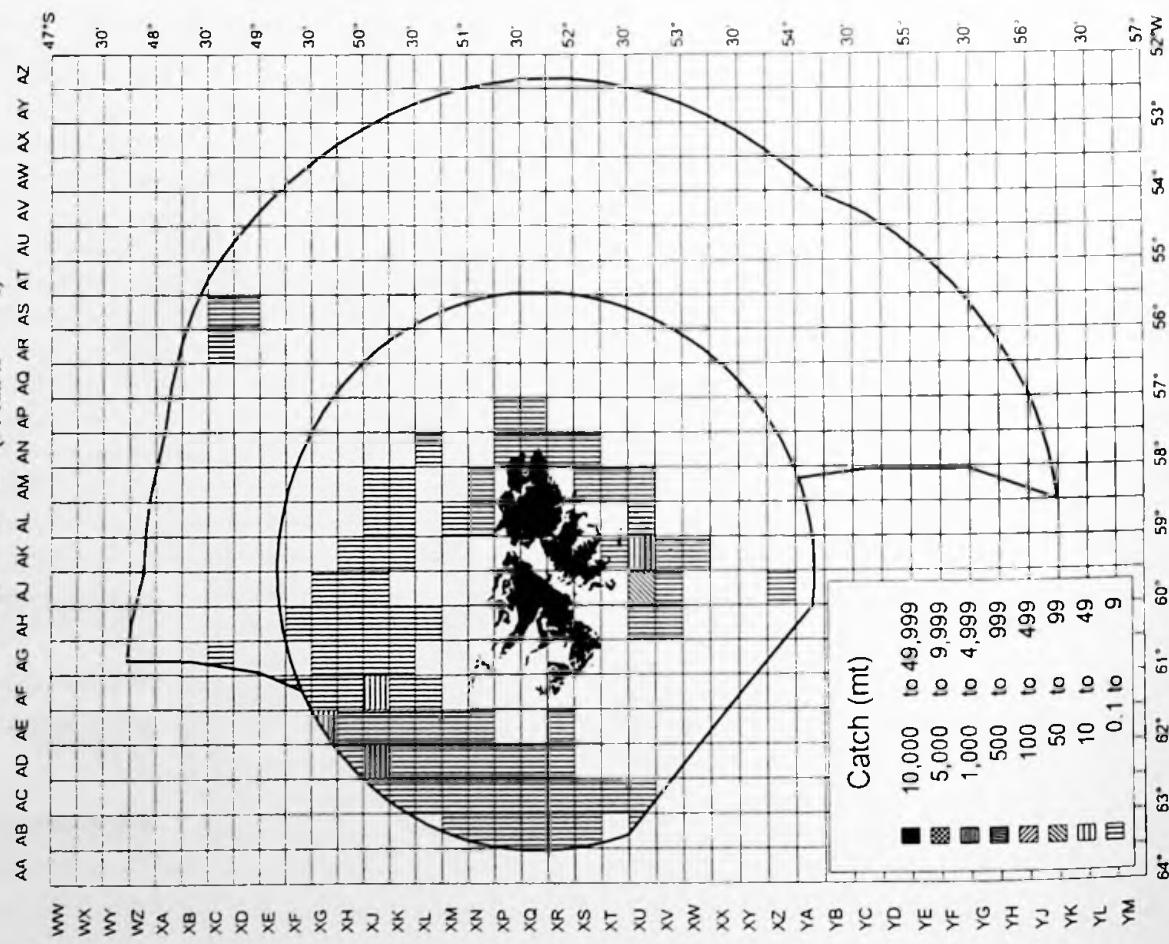
### 2nd Season (01 Jul to 31 Dec)



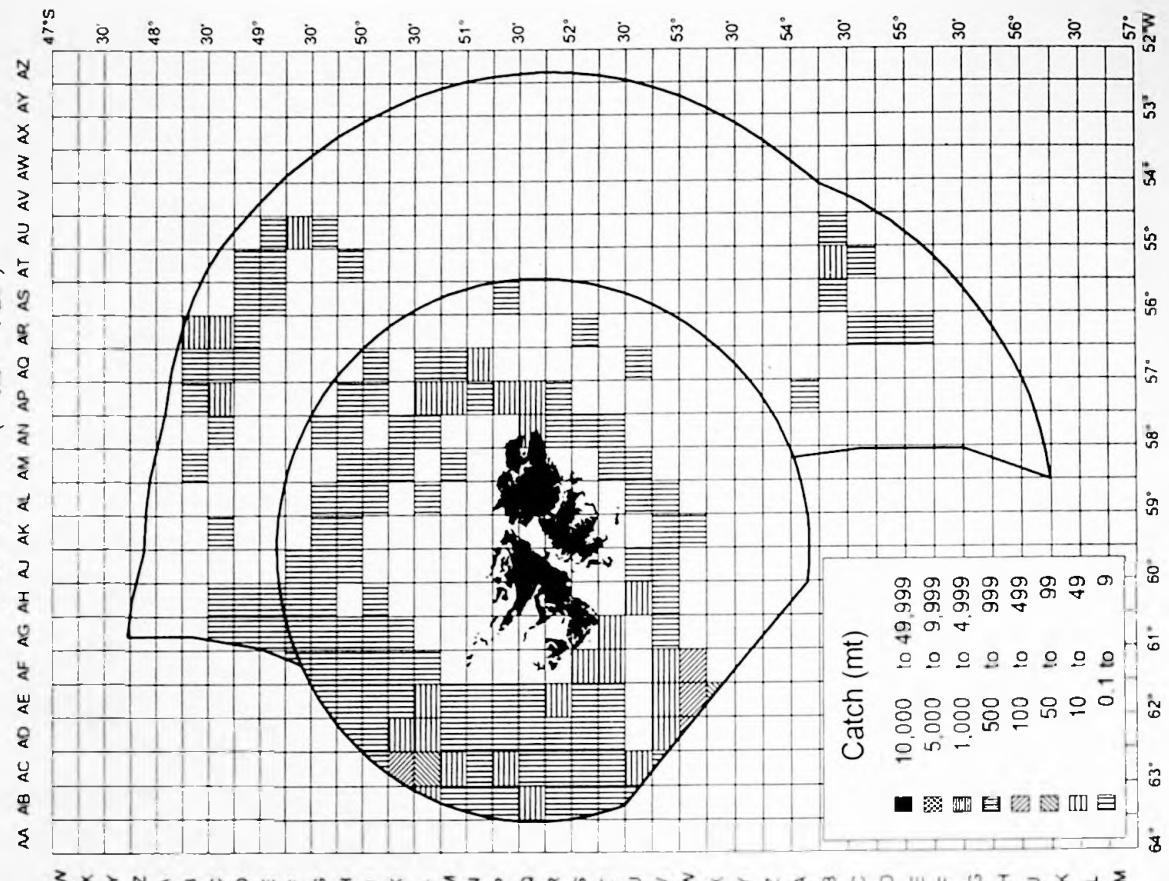
# 1996 Other

FICZ and FOCZ

## 1st Season (01 Jan to 30 Jun)



## 2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

Others

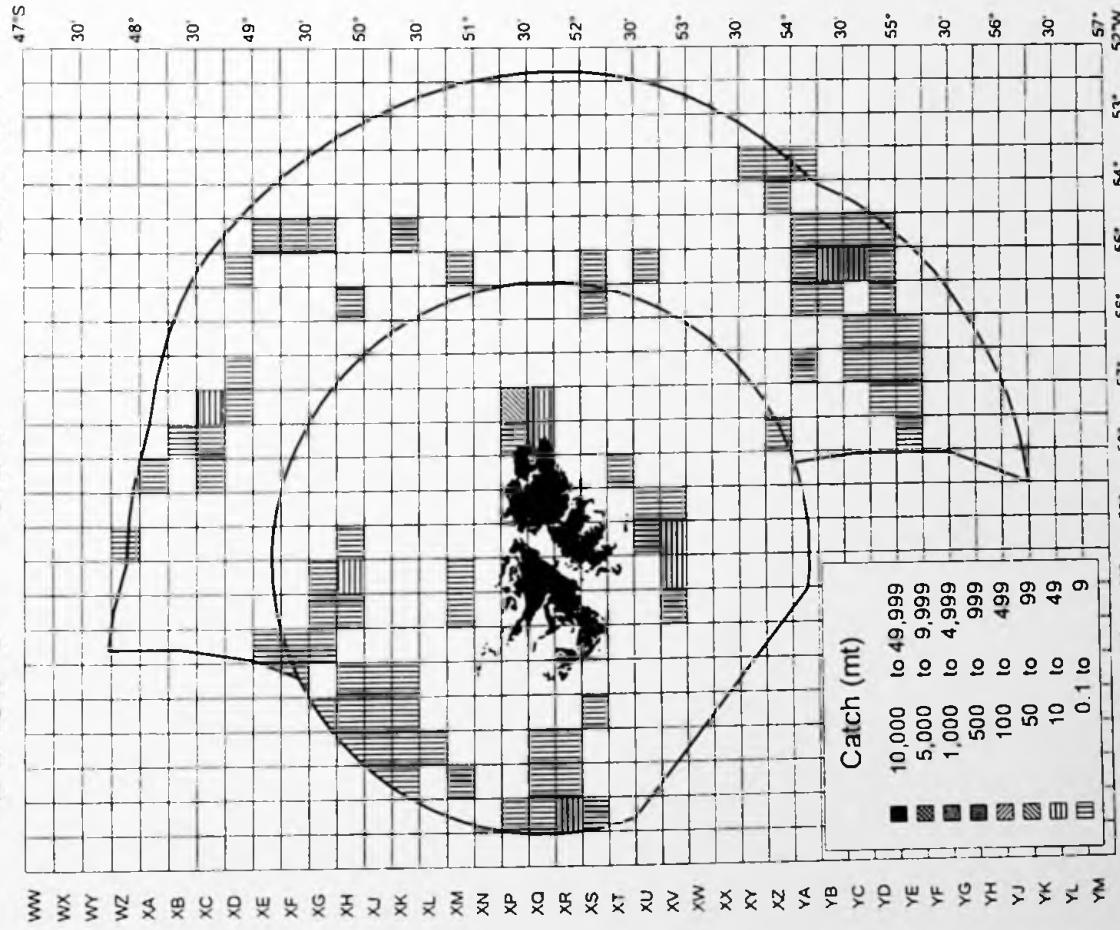
1997

Other

FICZ and FOCZ

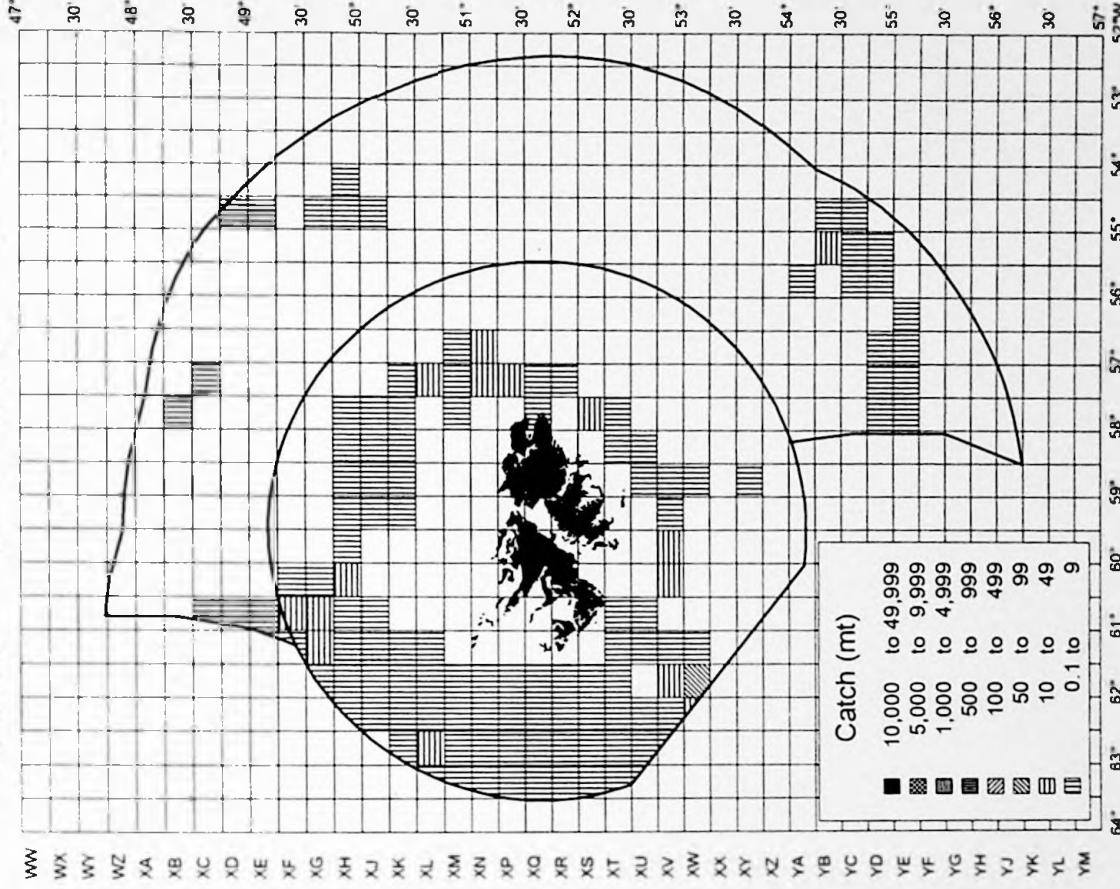
**1st Season (01 Jan to 30 Jun)**

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AZ



**2nd Season (01 Jul to 31 Dec)**

AA AB AC AD AE AF AG AH AJ AK AL AM AN AP AQ AR AS AT AU AV AW AX AZ



**Others**

Catch (mt) by grid square