

**FALKLAND ISLANDS GOVERNMENT
FISHERIES DEPARTMENT**



FISHERY STATISTICS

**Volume 3
(1989 - 1998)**

FALKLAND ISLANDS GOVERNMENT
FISHERIES DEPARTMENT



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Volume 3
(1989-1998)



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FALKLAND ISLANDS GOVERNMENT FISHERIES DEPARTMENT



FISHERY STATISTICS

FOREWORD

The Falkland Islands' Fishery (01 January – 31 December 1998)

This foreword presents a description of the Falkland Island fishery in 1998. This is supplemented by information on the status of the various stocks, which derives from the Fisheries Department's ongoing research programme and from assessments performed by Imperial College, London.

The total catch from the FICZ/FOCZ in 1998 was approximately at the same level as in the last few years, about 210,000 tonnes. As usual, two commercial squid species represented a major part of the total catch (64.8%) with a predominance of *Illex* squid. Southern blue whiting and hoki (14.9% and 10.6% of the total catch, respectively) were the main fish species targeted by the finfish fishery.

***Illex argentinus* – Illex squid**

Illex argentinus is a common ommastrephid squid of the Southwest Atlantic, targeted by the international fishery in the first half of the year (January-July). The most abundant winter-spawning group of *Illex* (southern Patagonian stock) migrates to its feeding grounds (the southern Patagonian and Falkland shelves) mainly in February, feeds there during austral summer and autumn, and then moves northward along the shelf edge and continental slope in May-June to its spawning grounds. Within the FICZ/FOCZ, *Illex* is fished predominantly by Korean and Japanese jigging vessels.

The joint UK-Argentine pre-recruit survey, suggested that the 1998 stock of *Illex* was very abundant. However, many of these squid appeared to be from a summer spawning group that did not recruit to the Falkland fishery. As a result, the total catch of *Illex* (85,000 tonnes) in 1998 was approximately half the 1997 total catch, despite a similar fishing effort (number of 'B' licenses).

The *Illex* fishery in 1998 was comprised of two clear 'waves' of abundance. An early peak of abundance was observed in March and was targeted by vessels working in the northern part of the FICZ/FOCZ. The second peak of abundance occurred in April after a rather well-pronounced two-week decrease in catches. It is notable that total catches of

Illex in March and April were quite similar to those observed in these months in 1995-1997. As in 1994-1996, catches suddenly dropped in May, in contrast to the 1997 season when high CPUEs were observed during the whole of May and first half of June. Early emigration (in May) of pre-spawning schools of *Illex* from the FICZ/FOCZ meant that spawning biomass was high, which was evident from the commercial fleet data.

***Loligo gahi* – Patagonian squid**

Loligo gahi occurs in commercial densities in the southeastern part of the Falkland shelf. It is generally considered that two seasonal peaks in *Loligo* catches (occurring in the first and second halves of a year) correspond to two different stocks with different spawning periods and growth rates.

The total catch of *Loligo* during the first season (~ 32,000 tonnes) was close to the average first season catch (34,700 tonnes) observed in 1991-1996. Total catch in the first season of 1998 was double that in 1997, despite similar fishing effort in both years. This indicated that the first season of 1998 was considerably more successful than the rather poor 1997 first season. As in 1996-97, the main part of the *Loligo* fishing fleet ('C' licenses) was comprised of Falkland-registered vessels. It is likely that two cohorts of *Loligo* were exploited during the first season, the first cohort in February and the second cohort in late March –early May. Occurrence of the two cohorts was confirmed by bimodal length-frequency distributions of squid occurring south of 52°S. Maximum CPUEs were observed in early March which resulted in the highest monthly catch in 1998. The initial biomass of squid assessed by different methods was around 60,000 tonnes suggesting that both final biomass and escapement were above the recommended minimum.

The total catch of the second season (~ 17,300 tonnes) was the smallest since 1991, with the exception of 1997 (10,100 tonnes). The number of fishing vessels ('X' licenses) however was the same as in the previous year (21) with a prevalence of Falkland-registered trawlers. CPUEs increased in the second season (compared to 1997), showing an apparent recovery of the summer-spawning brood of *Loligo*. Maximum catches were observed in August, at levels similar to those of previous years. Spawning stock biomass was assessed at the end of the fishing season with estimates ranging from 10,500 to 19,000 tonnes, all higher than the minimum level at 10,000 tonnes.

It is notable that the early closure of the *Loligo* fishing season in 1997 (end of September) probably allowed escapement of the minimum spawning stock biomass for the subsequent successful recruitment in 1998, showing the importance of stock assessment during the fishing season. Future scientific research will concentrate on finding and monitoring the spawning grounds of both *Loligo* cohorts which is essential for stock conservation.

***Martialia hyadesi* – Martialia squid**

No catch of *Martialia* was reported in 1998.

***Micromesistius australis* – Southern blue whiting**

It is believed that the southern blue whiting migrate to the Falkland shelf in spring for spawning and remain around the islands until the end of March. The total catch of blue whiting (~ 30,000) in 1998 was quite similar to the average catch during the last six years (31,000 tonnes; from 1992 to 1997). The results of analyses based on CPUE data from bottom trawlers suggest that the stock in the southwest Atlantic has declined considerably over the last decade. However, surimi vessels operating in the FICZ/FOCZ did not show any significant trends in CPUE. The acoustic survey performed during the joint UK – Argentine blue whiting cruise (Sept – Oct 1998) showed biomass estimations of ~ 265,000 tonnes in the area around the Falkland Islands.

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

Hoki is widely distributed both in Argentine and Falkland Islands waters. Its importance for the bottom trawling finfish fleet has increased during last few years. The total catch of hoki in 1998 (~ 22,000 tonnes) was the highest over the last decade due to a large increase in catch in the first half of the year. This increase was attributed mainly to an increase in fishing effort (hours fished), rather than any increase in the number of licensed vessels or significant change in CPUE.

Trawlers targeting hoki in the northern and western parts of the FICZ had a considerable bycatch of hakes, kingclip and red cod. As in previous years, several vessels targeted red cod on its spawning grounds situated in the south-western part of the FICZ. Total catch of red cod (~ 8,000 tonnes) and kingclip (~ 2,200 tonnes) were the second highest and the highest over the last decade, respectively. After quite moderate years (1994-1997), catches of hakes (3,500 tonnes) achieved levels observed in 1992-1993.

Dissostichus eleginoides – Patagonian toothfish

The total catch of the Patagonian toothfish increased considerably (up to 2,100 tonnes) compared to the quite low catches of 1996-1997. A doubling of the total catch was attributed both to the bycatch of the finfish bottom trawling fishery and experimental long-lining. In the northern area (north of 52°S) a continuing decline in CPUE in the toothfish stock was observed, whereas in the southern area the CPUE trend was upwards. The observed decline in CPUE in the northern area requires further investigation.

Rajidae – Skates and rays

The skate and ray fishery around the Falkland Islands is composed of multiple species. The total catch (1,075 tonnes) declined to a third of that in the last two years. Only one vessel fished skates and rays with a specialized 'R' license. A major part of the total catch (997 tonnes) was taken as a bycatch during the finfish bottom trawling fishery ('Z' and 'W' licenses).

Others

This category includes various unprocessed bycatch species such as grenadiers (*Macrourus* spp., *Coelorhynchus* spp.), butterfish (*Stromateus brasiliensis*), redfish (*Sebastes oculatus*), and different notothens. The total catch of other species increased three times (to ~ 3,300 tonnes) compared to 1997. The majority of the other species caught were taken as a bycatch in the trawl fishery for finfish.

Alexander I. Arkhipkin
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. Descriptive charts contained within the bulletin present catch data for two seasons. Seasons 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 catches 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.

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 3-alfa 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.

Catch reports, which are submitted daily from fishing vessels, are used to generate many of the tables included in this bulletin. These are checked against logbooks, which take longer to collect and process and which can result in correction of some data. As a consequence there may be some minor differences for data presented up to 1997 in this bulletin, and that which appeared in Vol.2. In practice it should only be the most recent years which show any variations.

The assistance and co-operation of fishing company and the officers and crew licensed vessels providing catch data is gratefully acknowledged.

Ryszard Grzebiec
Data Analyst

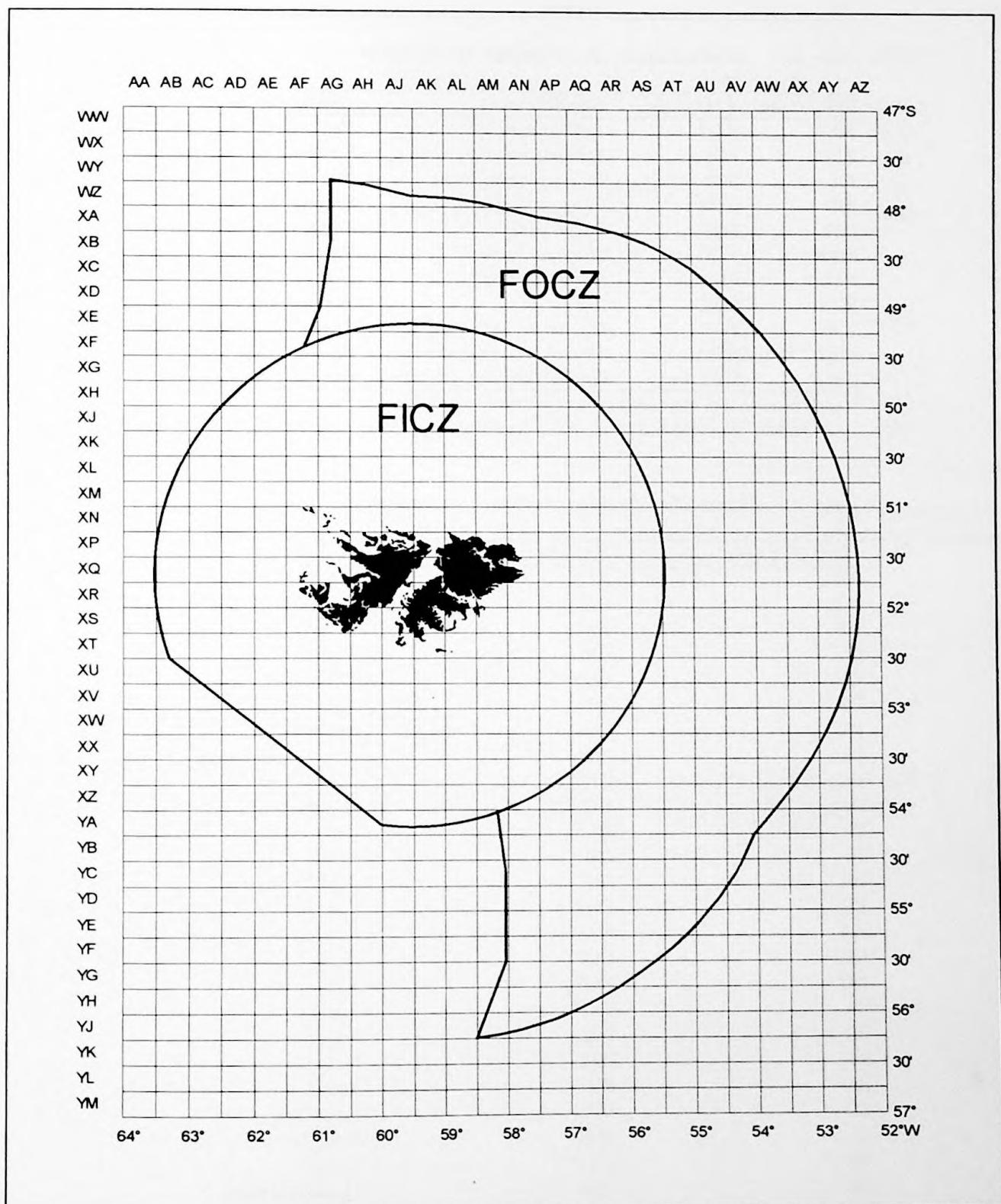
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Introduction

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</i> spp *	Hake
RAY	SRX	Rajidae	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
AU	AUS	Australia
BG	BGR	Bulgaria
BZ	BLZ	Belize
CL	CHL	Chile
CN	CHN	China
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 *	TWN	Taiwan
UK	GBR	United Kingdom
UR	UKR	Ukraine
US	USA	United States of America
UY	URY	Uruguay

* - Taiwan is coded TW for these statistics.

Introduction

Table A.4 Licence types, target species and periods of application 1989 - 1998

Licence*	Target species	Period of application
First Season		
A	Unrestricted finfish	1989 -
B	Illex squid	1989 - 1992
	Illex and Martialia squid	1993 -
C	Patagonian squid (I.oligo)	1989 -
F	Skates and rays	1995 -
G	Illex squid and restricted finfish***	1997 -
W	Restricted finfish**	1994 -
Second Season		
R	Skate and rays	1994 -
X	All species	1989 - 1990
	Patagonian squid (I.oligo)	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 (previous to 1998 for longliner only) or for investigate new vulnerability of the known fishery resources (from January 1998 for loligo vessels fishing outside the normal licensed period).

** 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	9
B	162	144	170	165	159	164	120	114	92	79
C	46	38	16	20	23	22	17	19	15	14
E	7	5		2	2	6	6	5	6	8
F							4	5		
G									20	27
R						9	10	11	10	2
W			11	16	14	30	30	29	10	16
X	23	20	19	23	30	27	23	24	21	21
Y	70	17	15	10	5	10	9	6	11	8
Z	24	35	40	46	43	48	60	43	36	27
	372	292	288	295	280	326	284	261	225	211

Table B.2 Licence allocations by fishing fleet and year

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
AU										3
BG	9	14	8	7	2					
BZ							1			
CL	1	1		6	3	8	8	4	3	2
CN										2
ES	99	72	66	74	75	108	100	70	52	64
FK	7	4	2	3	4	8	19	37	34	42
FR					5	3	4	2		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	40
KR	30	32	42	55	60	87	106	112	98	48
NA									3	1
NL	1	1								
NO		2						1	1	
PA			5	4	3	3	2	3	1	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	2
UK	11	1	1		1	3	2	5	3	3
UR						1				
US								1		
UY										1
	372	292	288	295	280	326	284	261	225	211

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	4
FK	1	1				1	1	2	2	5
FR						1				
IT				1	1					
JP	4					1				
NO		1								
PL	16	15	3							
PT	3	3	2	1						
UK	1				1		1			
	40	33	17	13	4	10	5	5	4	9

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				
CN										2
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	34
KR	27	31	37	43	49	63	77	84	74	40
PA										1
PL	24	14	17	10	2	2		2	1	
PT					1					
TW	32	17	39	49	79	43	8	3	3	2
UK						1				
UR						1				
	162	144	170	165	159	164	120	114	92	79

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
AU										1
CL	1	1		1	1	1	1	1	1	
ES	23	21	8	11	13	11	9	7	3	2
FK	1	2		1	1	2	5	8	7	9
FR						1	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		
SC										1
UK	5	1	1			1		1	1	1
	46	38	16	20	23	22	17	19	15	14

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
AU										1
BG	3	4								
CL				2	1	5	5			
FK	2								1	5
IS					1		1		1	
KR							1	2	3	2
NO								1	1	
PL	1	1								
RU						1				
UK	1									
US								1		
	7	5		2	2	6	6	5	6	8

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	21
FK									4	4
IS									1	
JP										2
NA									1	
PA									1	
									20	27

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	2
PA						1	1			
						9	10	11	10	2

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	1
ES			1	11	11	16	15	16	5	12
FK							2	6	1	2
FR							1			
HN					2	2	1			
IS									1	
IT						1	1			
JP						1	3	1	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	16	

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
AU										1
CL					1	1	1	1		
ES	11	15	17	20	22	19	11	10	7	3
FK	2	1	1	1	2	3	6	9	9	12
FR						1	1	1	1	1
GR	2	1								
IT	2	1	1	1	2					
JP	5	2			2	2	2	2	2	2
PT				1	1	1	1			
SC									1	
UK	1						1	1	1	1
UY										1
	23	20	19	23	30	27	23	24	21	21

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
BG	6	2	2	1						
CL				3						
ES	48	13	12	3	3	7	5	3	4	5
FK	1			1	1	2	3	2	6	2
FR						1				
GR	1									
IT				1						
JP	8				1					
KR	3	1								
PA			1							
PT		1		1						
UK	3						1	1	1	1
	70	17	15	10	5	10	9	6	11	8

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
BG		5	6	6						
CL						1	1	1	1	1
ES		10	16	17	20	27	36	16	18	17
FK						1	8	4	3	
HN			2	3	3	2	2	1		
IT				1	1					
JP				2	3	1	1	1	1	1
KR			5	12	10	9	14	12	11	4
NA										1
PA			4	4	2	1	1	1		
PL	24	20	7	3	3	3	2	1		
PT						1	2	1		
SC									1	
SL				1	1	1				
UK					1			1		
	24	35	40	46	43	48	60	43	36	27

Licences

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

LICENCE	1989	1990	1991	1992	1993
A	537775	485949	300154	191586	119854
B	22723027	20698011	20961399	20865023	14301237
C	4028578	5077665	3286308	2904346	3558704
E	3000	1000		12308	12303
F					
G					
R					
W			113412	169895	206682
X	377917	613764	572085	959803	1466992
Y	939594	291531	285700	187767	199798
Z	391332	774666	841843	1222974	1207635
	29001223	27942586	26360901	26513702	21073205

LICENCE	1994	1995	1996	1997	1998
A	537775	485949	300154	191586	186858
B	17440342	10867548	12176224	12189748	9578864
C	3305953	3473536	3915269	3489634	3694139
E	163607	196725	107022	180956	460752
F		74214	117243		
G				654702	900493
R	140664	431363	446767	429579	73733
W	413290	500679	842504	590818	868281
X	2046655	2173149	2297557	1745260	2157595
Y	180825	164690	174748	284846	327707
Z	1335812	1920068	1536543	1474175	1329126
	25690547	20348929	21977242	21296309	19577548

Catch summary tables

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

VESSEL TYPE	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
CO	59069	46211	27896	17669	1151	4807	3222	1569	811	274
JI	195476	94743	160754	149557	144189	62874	62717	73128	150732	79797
LO					131	10	2855	1901	992	1241
TR	172270	143561	115853	147601	106257	126262	177332	119303	77542	128348
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

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

SPECIES	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BAC	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088
BLU	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396
ILL	224022	102417	174745	160016	145185	66996	64122	79724	149763	84954
KIN	977	850	949	1952	1643	899	1985	1682	1392	2212
LOL	118720	82990	53817	83384	52279	65757	98417	61374	26122	51417
MAR	0	4	141	1	33	0	5803	111	2099	
OTH	5036	1989	2317	1192	890	423	1514	2015	916	3241
PAT	16480	11900	6759	4070	3029	1414	1988	1649	1554	3494
RAY	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075
TOO	236	208	980	912	393	2963	2069	685	1208	2099
WHI	13313	7553	4499	14188	8506	10064	15603	13813	13006	22226
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January	2475		5128	5217	3723	9149	7810	5217	7918	7586
February	30652	26620	19493	21028	6789	13273	28800	15782	8660	19900
March	89952	74890	88553	96826	39900	52894	46084	49887	29199	47564
April	131835	56338	83954	79745	79365	27654	49391	48971	60718	63001
May	73998	28475	32258	24303	51777	18914	21514	19526	68234	22904
June	11913	1017	112	107	437	2002	1786	1211	10474	2820
July	5265	2437	2538	223	1577	2172	2937	1418	2625	1591
August	24987	13196	14895	22415	20227	18151	25736	16451	10019	12981
September	26143	33653	21075	26933	16111	19569	25540	13562	8668	11046
October	14221	17836	13123	19839	11891	16105	14486	8315	7960	7730
November	8909	19119	9832	10736	11056	8805	11881	7406	8381	6390
December	6463	10934	13542	7585	8751	8111	9205	7245	7470	6690
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

Catch summary tables

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	315	934	6631	9156	3674	3722	4016	3735	1727	2198
400-599	19259	11811	6616	14171	14271	11196	13867	13617	16175	5885
600-799	69869	33900	59024	65777	85612	41825	47630	51899	97294	42892
800-999	60068	32447	50871	54751	37703	19779	15092	14467	15853	23074
1000-1499	125705	77599	93410	87831	49615	44662	63921	34746	53422	58891
1500-1999	34186	32057	20163	21591	14878	17588	27601	19983	7180	14393
2000-2999	106642	86211	65101	56468	32070	30168	47252	29808	11607	30584
>2999	10771	9556	2686	5213	13783	27858	25793	26735	27067	32286
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	5435	2950	2607	1214	1981	2393	2316	2463	1579	1642
45-49	22536	14797	23950	34406	32419	29782	38782	40247	67856	29807
50-54	42713	20847	29609	46291	52554	29182	30258	32307	45221	26448
55-59	59001	21967	34892	43111	38374	14250	14600	15284	20103	13650
60-64	43152	27377	32983	40178	29560	21090	25828	19851	16086	22017
65-69	42987	28081	49846	39942	24176	17434	24499	13365	23579	32563
70-79	101600	73080	69724	54580	34071	32451	53041	33442	22883	38376
80-89	83184	76577	49293	40295	17226	12417	17465	6172	4037	8961
>89	26206	18840	11598	14941	21245	37799	38382	31860	28981	36739
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

Table C.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	4017	2826	3464	2818	210	
1000-1199	19335	7475	8373	11659	14734	9793	11768	10134	12327	3013
1200-1399	37309	21056	30060	30173	30508	18030	18130	22848	43657	20458
1400-1599	51817	20340	41733	47786	59813	23076	25317	25885	52221	27746
1600-1799	47923	20527	33231	29280	17862	9067	14119	16921	22907	26532
1800-1999	55222	46285	58557	60297	37632	27525	28937	19194	33048	38674
2000-2499	52291	31275	32285	44930	27467	30073	43307	23274	18759	23274
2500-2999	65483	56623	38062	34065	13601	16140	13625	9377	5466	4056
3000-3999	70925	58277	49805	36960	24366	23343	44894	30821	10739	25876
>3999	23056	20520	9445	16045	21606	36924	41610	33718	30992	40572
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

Catch summary tables

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
BG	13503	22369	21888	8981	2976					
BZ						585				
CL	1150	1884		3145	1514	5223	9997	6638	8199	8850
ES	82345	65908	57605	87763	58143	67191	89284	40842	20510	40123
FK	781	5853	1470	1846	1978	5906	27184	31520	17117	43306
FR						1945	7369	4600	1545	4178
GR	4960	3121								
HN			1712	2761	3681	2976	2833	850		
IS								214	268	
IT	10391	4547	2409	2923	2142	1181	218			
JP	125567	60028	93652	68325	39510	39916	25583	24870	46060	56814
KR	51133	32996	61614	72489	65228	42987	63236	73861	129546	45064
NA									303	677
NL	4587	3369								
NO		1384						319	210	
PA			2425	4027	1060	598	459	706		1085
PL	74039	64765	43878	32996	12442	11178	8861	3262		
PT	9143	6430	3268	1548	1809	2512	5157	1052		
RU						39				
SC									1252	
SL				1150	822	373				
TW	37529	10479	12590	27002	59853	13497	2323	1901	3013	1734
UK	11685	1383	1992		445	1255	2083	4357	2302	3579
UR						21				
AU										3587
UY										31
CN										1177
	426814	284516	304503	314957	251605	196798	245172	194991	230326	210202

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	39
TR	2763	2740	2835	6551	6224	3955	8920	6909	4549	8048
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

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		163
February	15	125	229	442	302	273	101	115	203	310
March	4	422	478	334	240	189	354	1071	289	851
April	153	537	303	327	414	288	411	996	176	1145
May	22	414	33	31	561	110	509	289	98	2055
June	9	62	7	24	144	52	46	116		517
July	340	237	225	26	123	80	422	179	759	95
August	530	197	307	1046	605	252	1046	552	418	797
September	1042	261	235	1568	772	645	2398	959	920	803
October	697	296	599	2056	1300	1317	2199	2038	1303	744
November	2	146	330	1116	1291	468	811	382	439	541
December		81	85	10	297	151	754	87	43	66
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

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 0
ES	2441	2460	2293	4168	4084	3061	5979	3500	2503	6141
FK	3	4	56	32	69	100	1530	2033	817	1484
FR						16	21	31	25	11
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	64
KR	86	45	253	1462	843	417	1072	861	1154	180
NA									20	99
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	137		
RU						0				
SC									56	
SL					199	131	51			
UK	85	3	3			140	6	17	18	41
AU										85
UY										0
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

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	189	100	39
400-599	15	237	100	444	797	242	493	211	75	463
600-799	35	61	127	517	792	628	791	485	676	1241
800-999	736	475	650	1370	923	801	1935	1222	627	1385
1000-1499	1120	665	621	1153	1900	1698	2424	2162	2513	3621
1500-1999	431	1181	690	2090	799	271	1727	1071	255	482
2000-2999	348	127	387	456	570	239	1428	1520	374	792
>2999	63	33	6	11	87	52	85	65	29	64
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

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	364
45-49	458	396	271	426	632	961	1816	89	317	1426
50-54	264	286	703	1964	1792	877	1150	1279	1269	683
55-59	87	44	251	912	527	155	933	868	1025	1819
60-64	678	220	130	986	343	396	1157	605	605	862
65-69	268	513	212	473	467	211	1151	515	302	1266
70-79	699	988	905	1681	1658	1136	2583	2403	1043	1451
80-89	235	149	204	376	264	107	132	232	34	105
>89	125	37	58	42	127	69	120	130	46	112
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

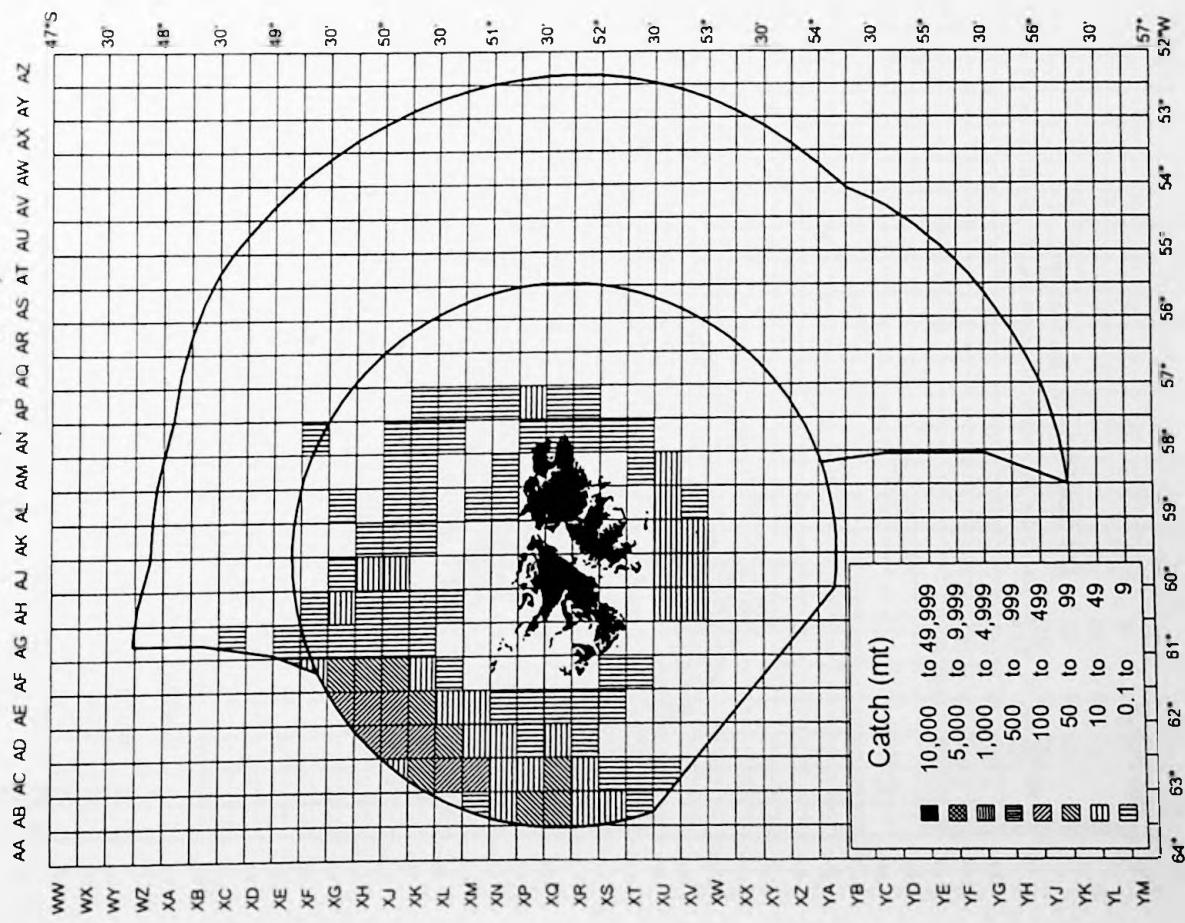
Table D.6 Total catch (tonnes) by brake horsepower (BHP) and year

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	626
1400-1599	434	485	260	161	993	657	1383	631	545	1636
1600-1799	115	124	14	250	23	63	261	253	155	767
1800-1999	732	212	303	933	1036	1479	2134	1601	1469	2743
2000-2499	629	1103	774	3443	1878	723	2610	1928	977	1282
2500-2999	236	243	477	1170	977	332	595	494	622	152
3000-3999	290	257	391	156	507	188	1340	1540	373	749
>3999	191	102	205	418	216	128	215	223	75	132
	2814	2778	2880	7055	6224	4043	9084	6925	4649	8088

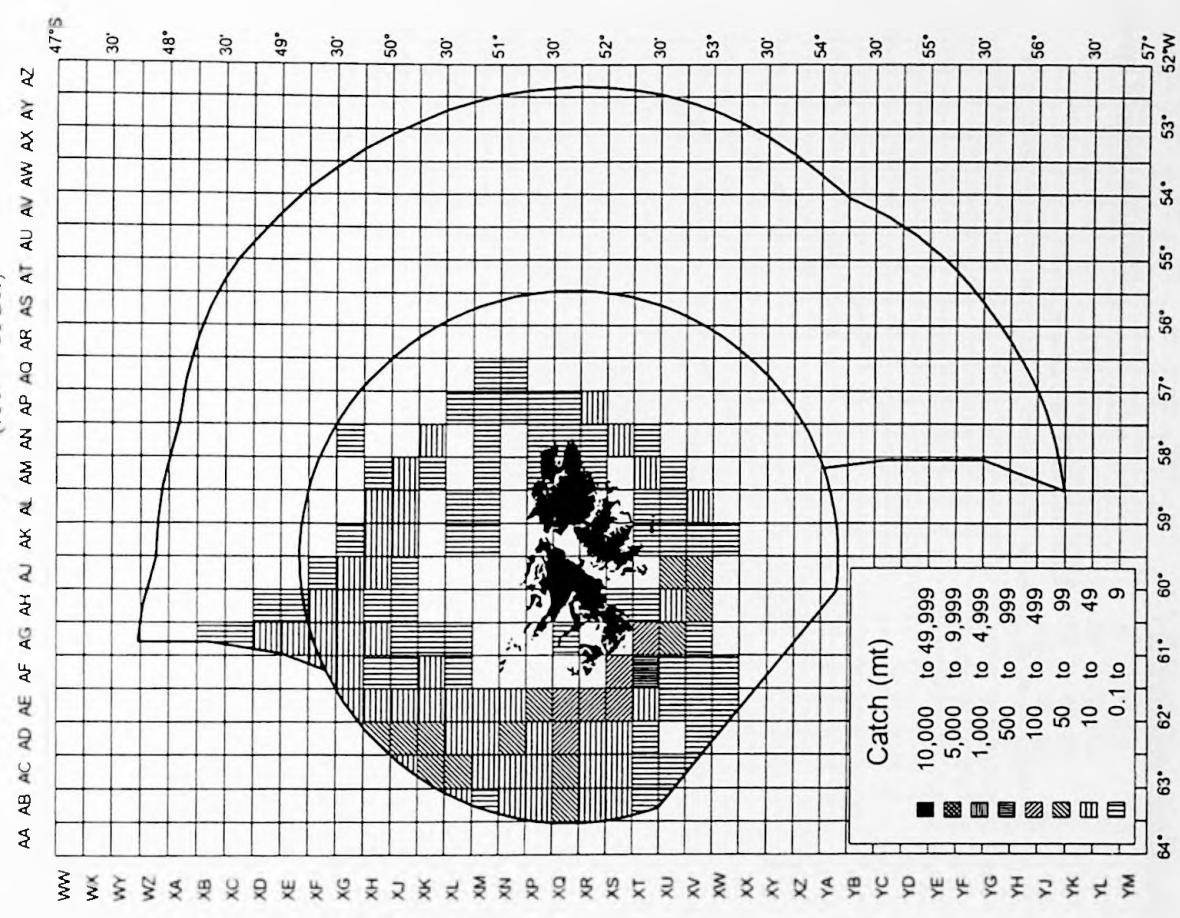
1996 *Salilota australis*

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

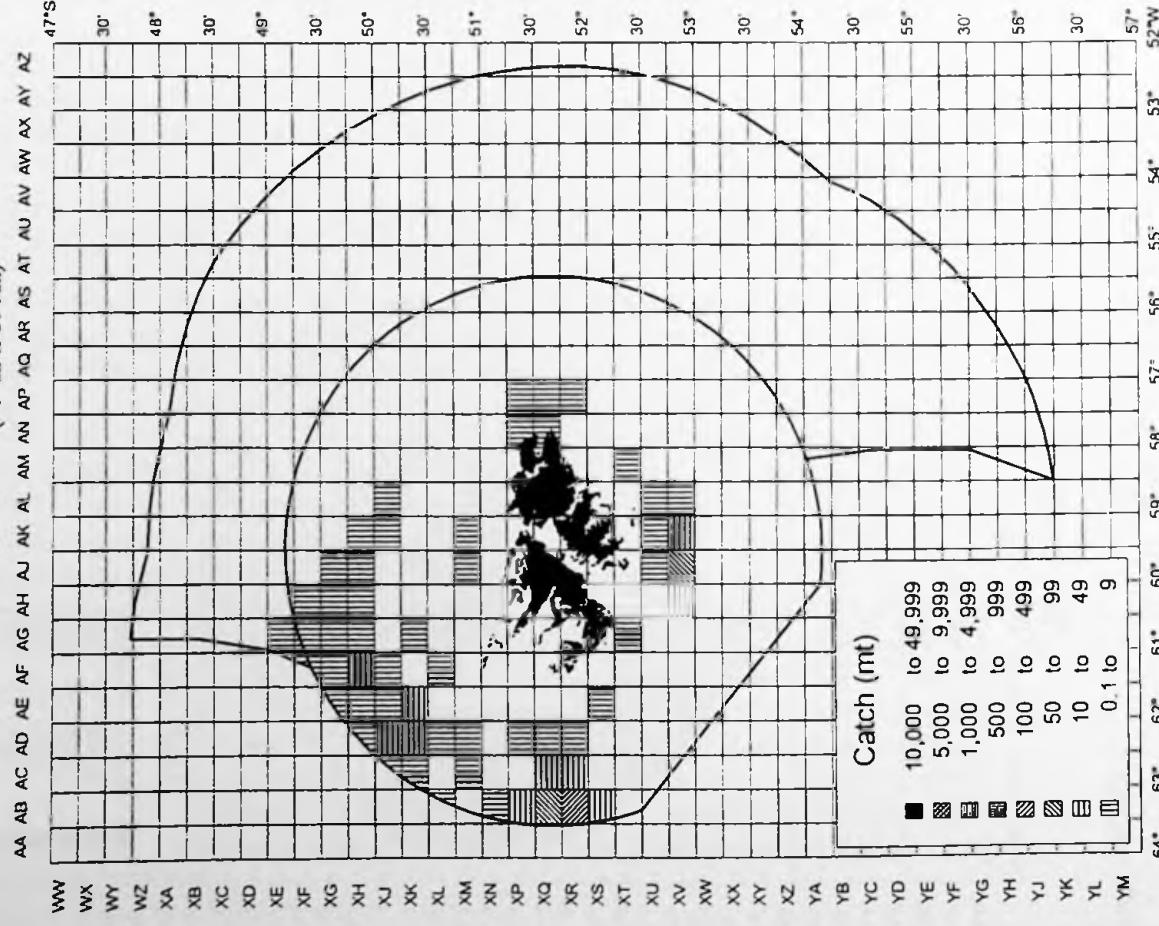


Catch (mt) by grid square

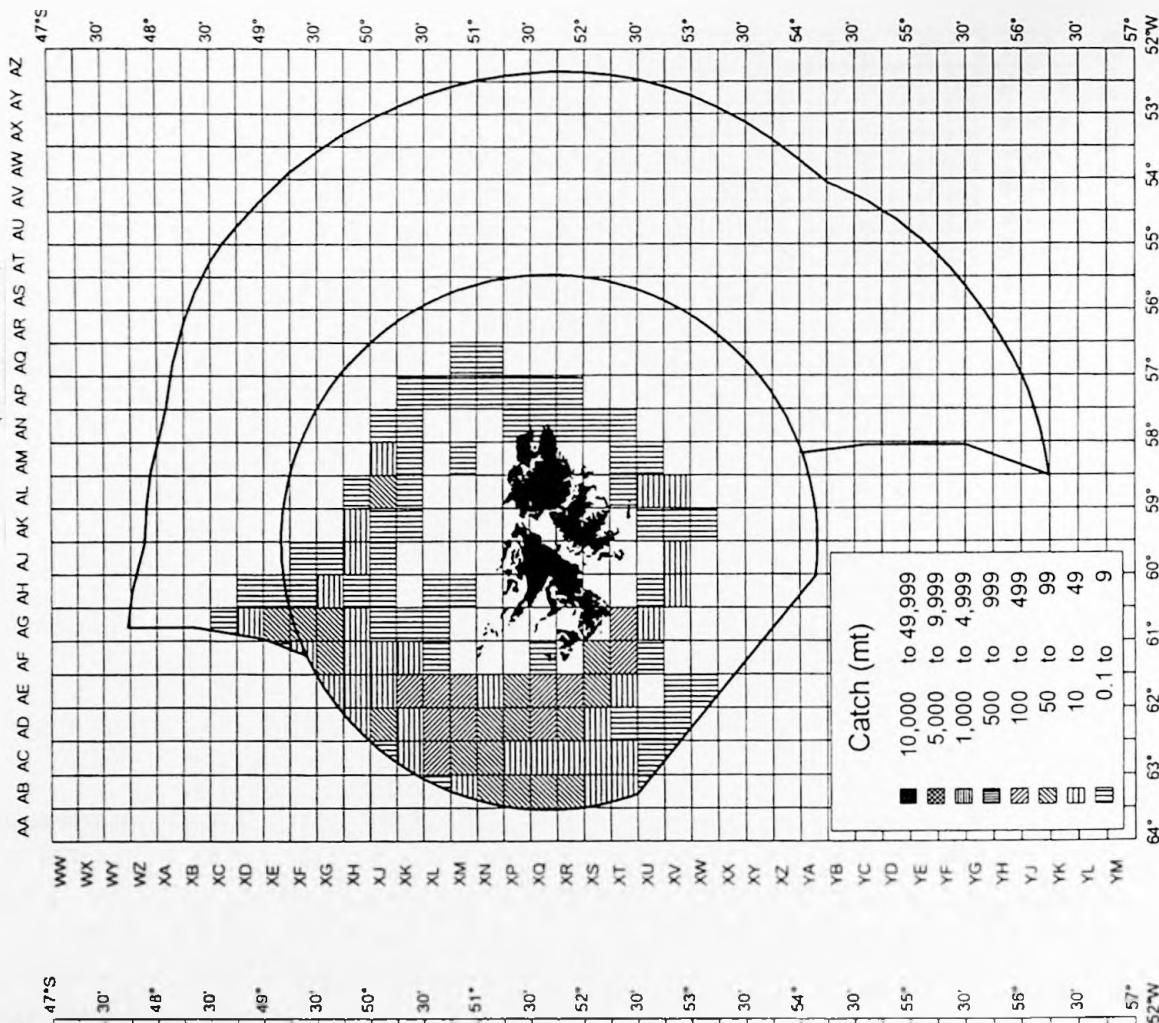
Salilota australis - Red cod

1997 *Salilota australis*

1st Season (01 Jan to 30 Jun)

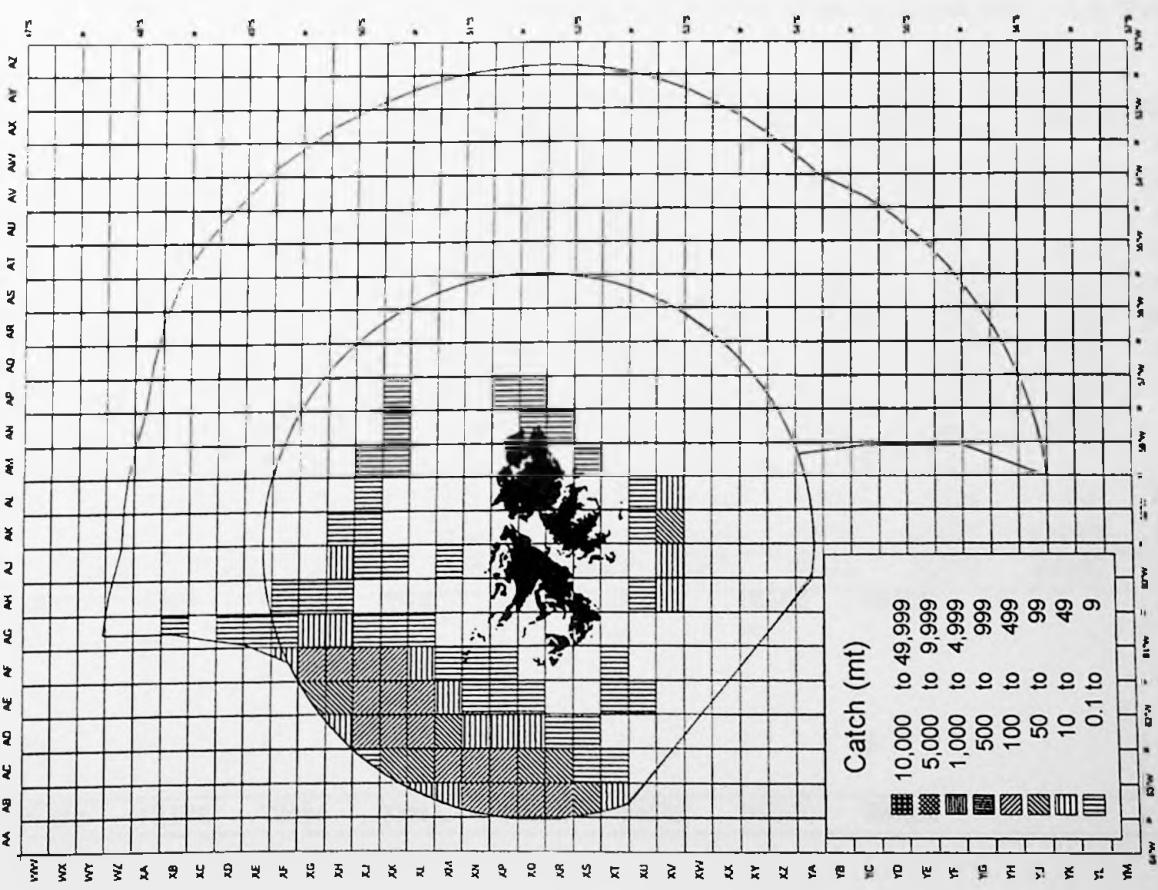


2nd Season (01 Jul to 31 Dec)

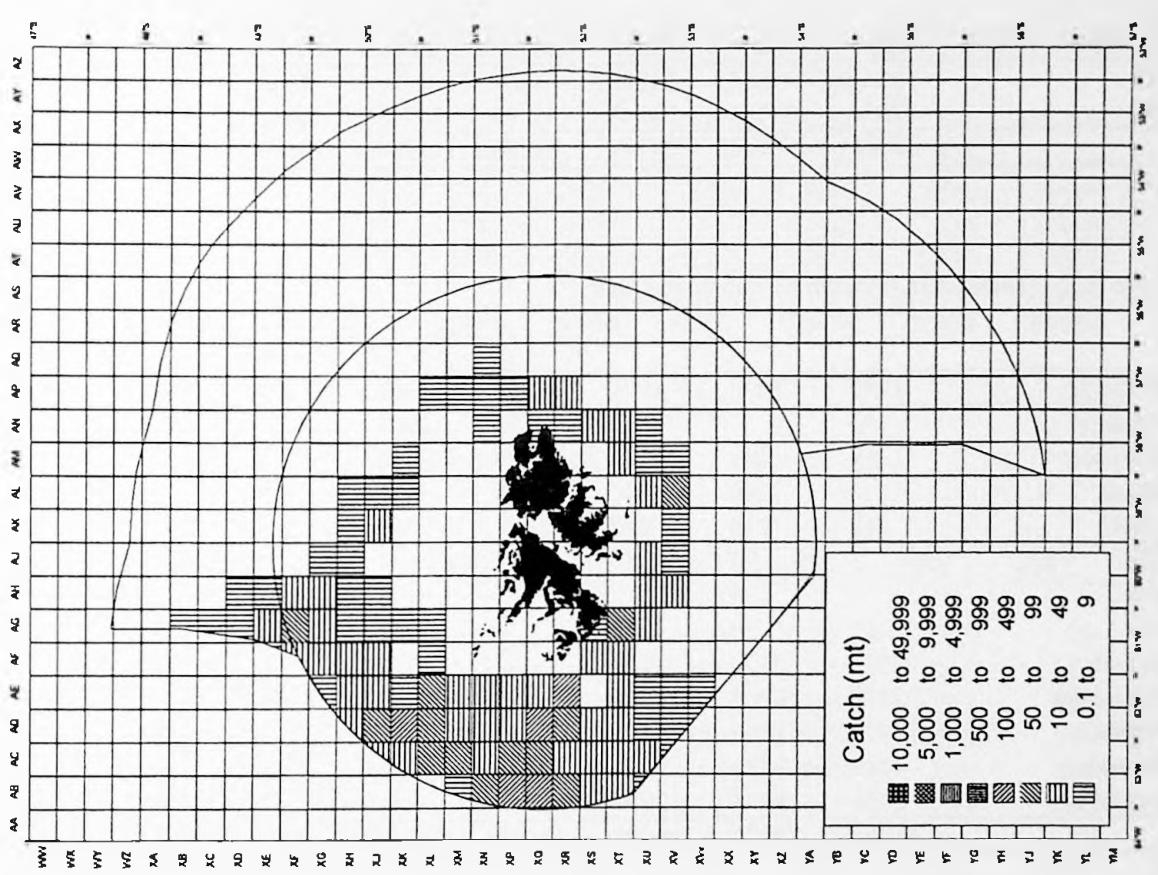


Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



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	31396
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

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	5789
February	59	231	4716	4029	2150	2179	3578	3712	5359	8454
March	1	546	687	1908	876	71	1100	664	270	3814
April	19	618	527	1343	391	45	211	163	37	514
May	3	86	27	14	345	2954	70	21	19	363
June		14		1	1	286	2	14		66
July	351	18	20	0	1	4	1	6	0	
August	10960	5173	1828	641	844	860	1958	665	78	150
September	15678	26202	14801	7487	3548	4359	5314	1875	465	1279
October	10473	12663	5566	3684	1051	7401	3966	603	300	1305
November	4413	18131	5296	2991	5131	6760	9002	4831	5391	3677
December	1468	8643	12391	7349	7563	6747	6650	6250	6931	5987
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

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	8636
ES	335	2722	5973	9862	4553	5259	10864	2460	1591	3487
FK			148	0	74	279	1616	1083	727	1985
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	16935
KR	1	8	1	122	6	43	10	10	2	
NA									83	282
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	48
AU										23
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

Micromesistius australis - Southern blue whiting

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400			86	90	2	0		1		
400-599	0	173	54	575	132	303	239	3		333
600-799		8	75	349	327	471	1038	408	350	744
800-999	12	862	157	353	80	176	1724	221	8	626
1000-1499	8221	20877	11430	3437	1766	3536	4281	1889	1476	2583
1500-1999	1	1192	2319	4385	1199	852	3767	556	211	446
2000-2999	31535	49165	36371	24889	12599	11312	10625	1059	431	1094
>2999	3700	48			8796	22047	17481	19403	23819	25572
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

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

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45		2	114	254	47	~288				51
45-49	10	662	139	570	134	295	2083	255	99	1069
50-54	1	364	606	471	688	1070	291	232	179	404
55-59	3	19	14	104	40	124	1333	1012	792	1177
60-64	1	88	255	1076	833	1218	2253	638	145	434
65-69	3	430	576	860	112	670	2002	205	133	743
70-79	8221	21725	13718	6127	2562	2108	4521	1268	1044	1713
80-89	28565	47659	31852	22643	8393	5737	4465	390	62	196
>89	6663	1377	3216	1974	12092	27187	22206	19538	23843	25610
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

Table E.6 Total catch (tonnes) 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	555
1400-1599	2	557	139	204	388	460	1527	130	233	755
1600-1799		7	35	186	1	218	946	383	67	522
1800-1999	27	285	600	1519	1311	2592	3994	1429	1130	1959
2000-2499	3157	7380	2515	3220	1331	1564	3241	437	224	890
2500-2999	23419	36945	15517	7288	311	2341	245	201	198	2
3000-3999	13246	26619	30700	18317	12056	8944	10438	3826	446	1026
>3999	3617	50	839	2562	9339	22386	17738	16821	23879	25687
	43468	72326	50491	34078	24900	38697	39154	23539	26296	31396

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			
>2999	20	6								
	19557	34663	12328	3068		2032				

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			
>89	20									
	19557	34663	12328	3068		2032				

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								
>3999	20	6								
	19557	34663	12328	3068		2032				

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	240	3		333
600-799		8	75	349	327	471	1038	408	350	744
800-999	12	862	157	349	80	176	1724	221	8	626
1000-1499	157	384	1229	1620	1766	3536	4281	1889	1476	2583
1500-1999	1	1192	2319	4385	1199	852	3767	556	211	446
2000-2999	20062	35001	34243	23641	12599	9280	10676	1059	431	1094
>2999	3680	42			8796	22047	17481	19403	23819	25572
	23911	37664	38163	31010	24900	36665	39206	23539	26296	31396

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				51
45-49	10	662	139	570	134	295	2084	255	99	1069
50-54	1	364	602	444	688	1070	291	232	179	404
55-59	3	19	14	104	40	124	1333	1012	792	1177
60-64	1	88	255	1076	833	1218	2253	638	145	434
65-69	3	430	576	860	112	670	2002	205	133	743
70-79	157	1229	3522	4333	2562	2108	4521	1268	1044	1713
80-89	17092	33492	29724	21395	8393	3705	4465	390	62	196
>89	6643	1377	3216	1974	12092	27187	22258	19538	23843	25610
	23911	37664	38163	31010	24900	36665	39206	23539	26296	31396

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	555
1400-1599	2	557	139	204	388	460	1527	130	233	755
1600-1799		7	35	186	1	218	946	383	67	522
1800-1999	27	285	600	1519	1311	2592	3994	1429	1130	1959
2000-2499	3157	4662	1711	3193	1331	1564	3241	437	224	890
2500-2999	3885	5008	3992	4247	311	309	245	201	198	2
3000-3999	13243	26619	30700	18317	12056	8944	10489	3826	446	1026
>3999	3597	42	839	2562	9339	22386	17738	16821	23879	25687
	23911	37664	38163	31010	24900	36665	39206	23539	26296	31396

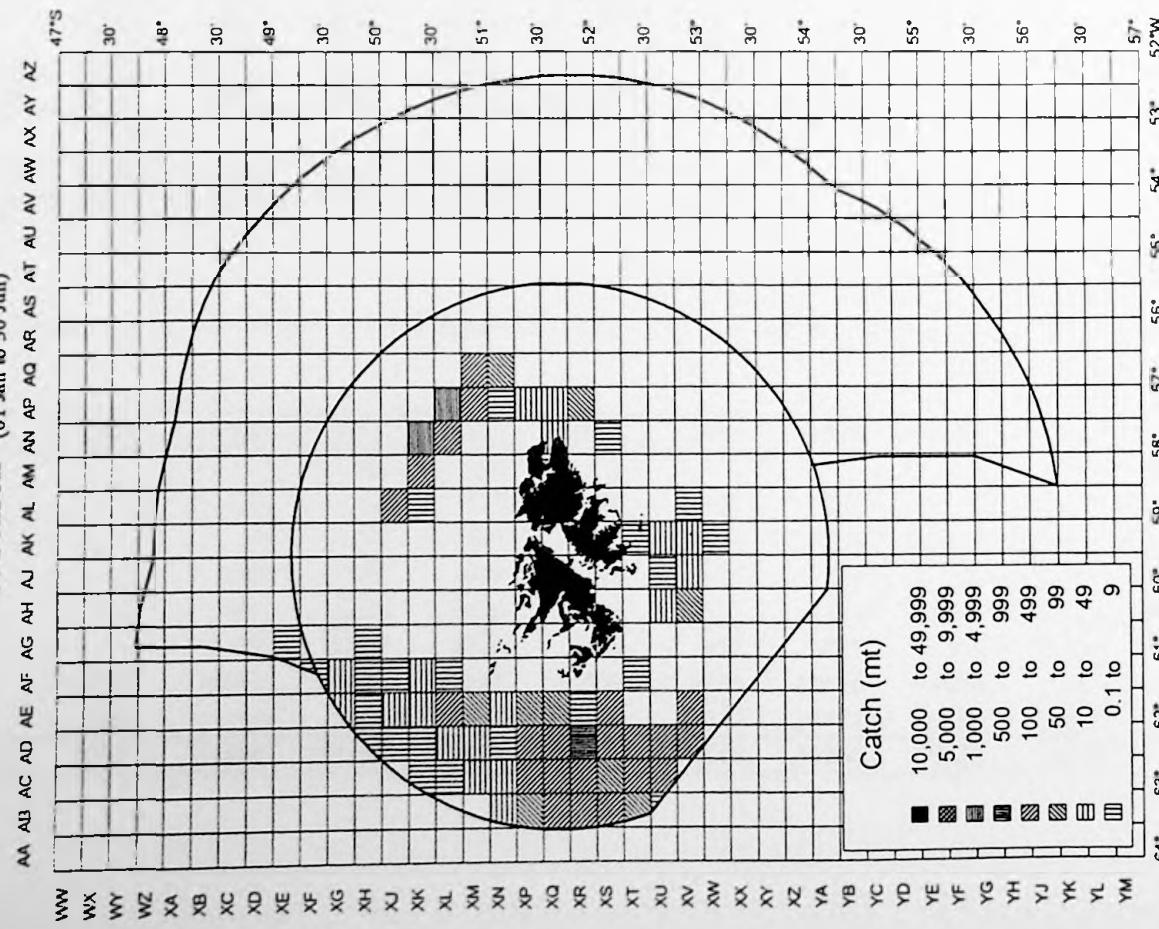
1996

Micromesistius australis

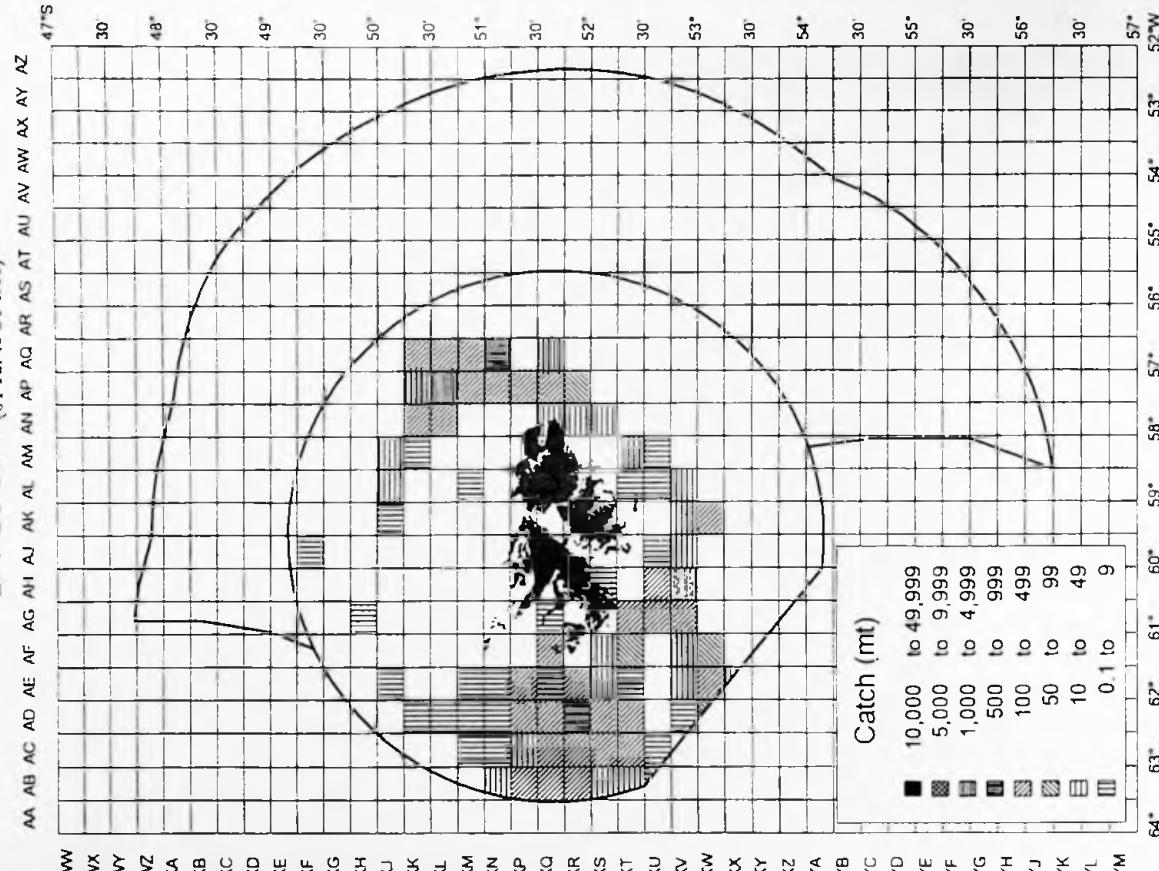
FICZ and FOCZ

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

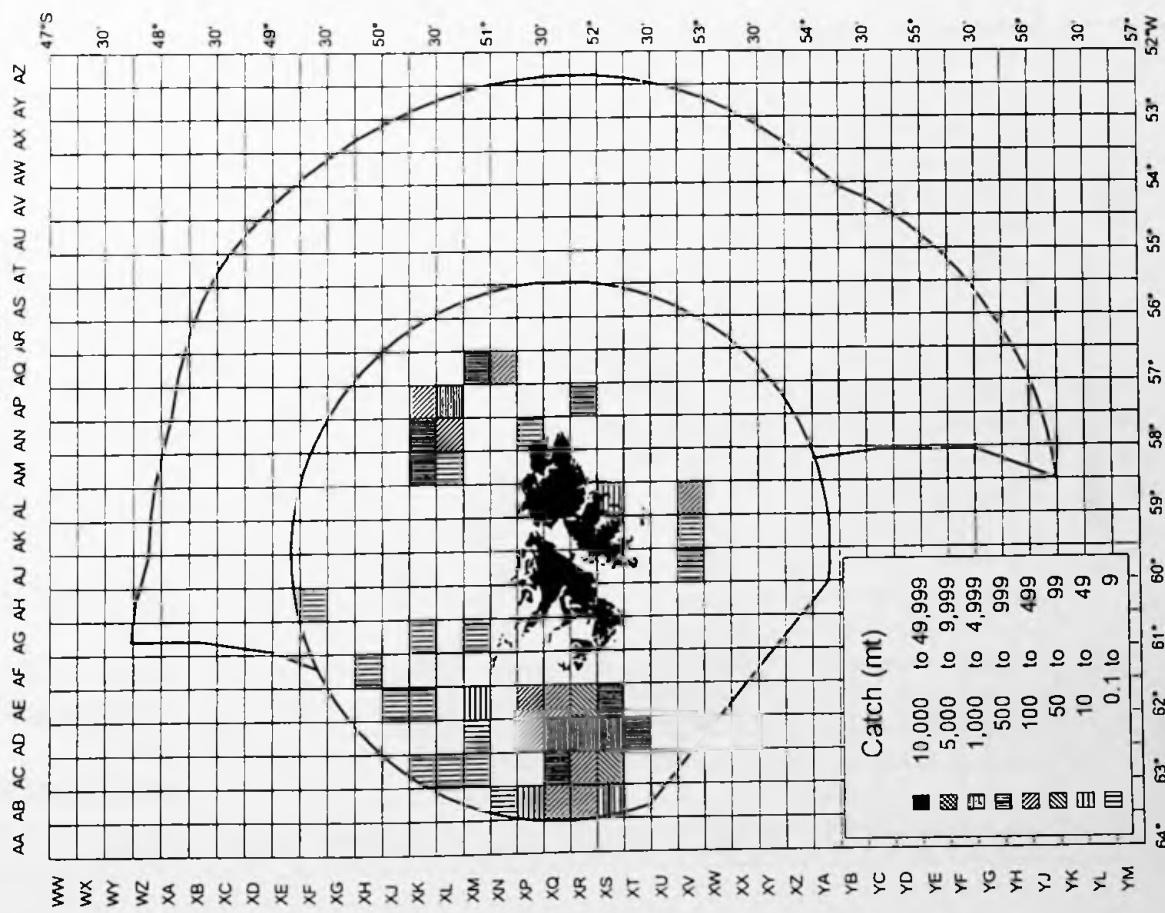


1997

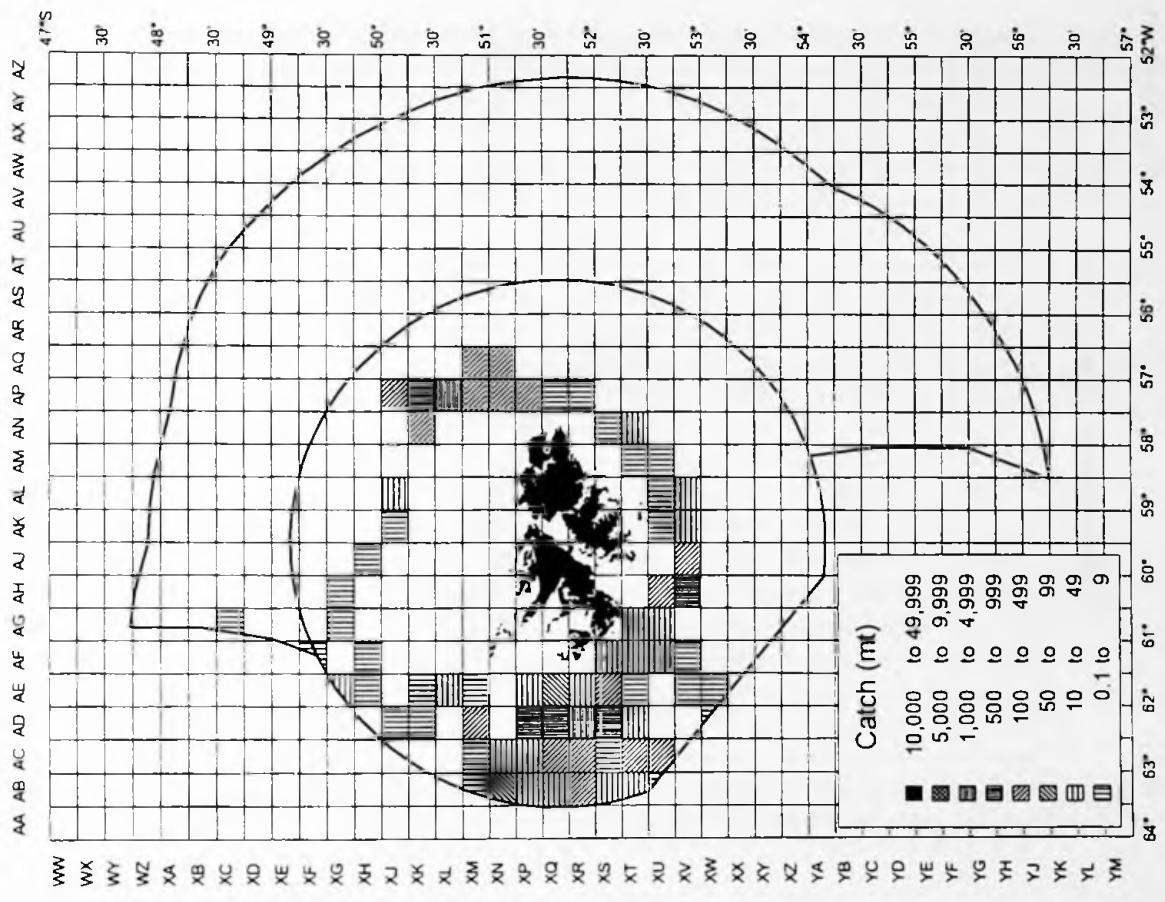
Micromesistius australis

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



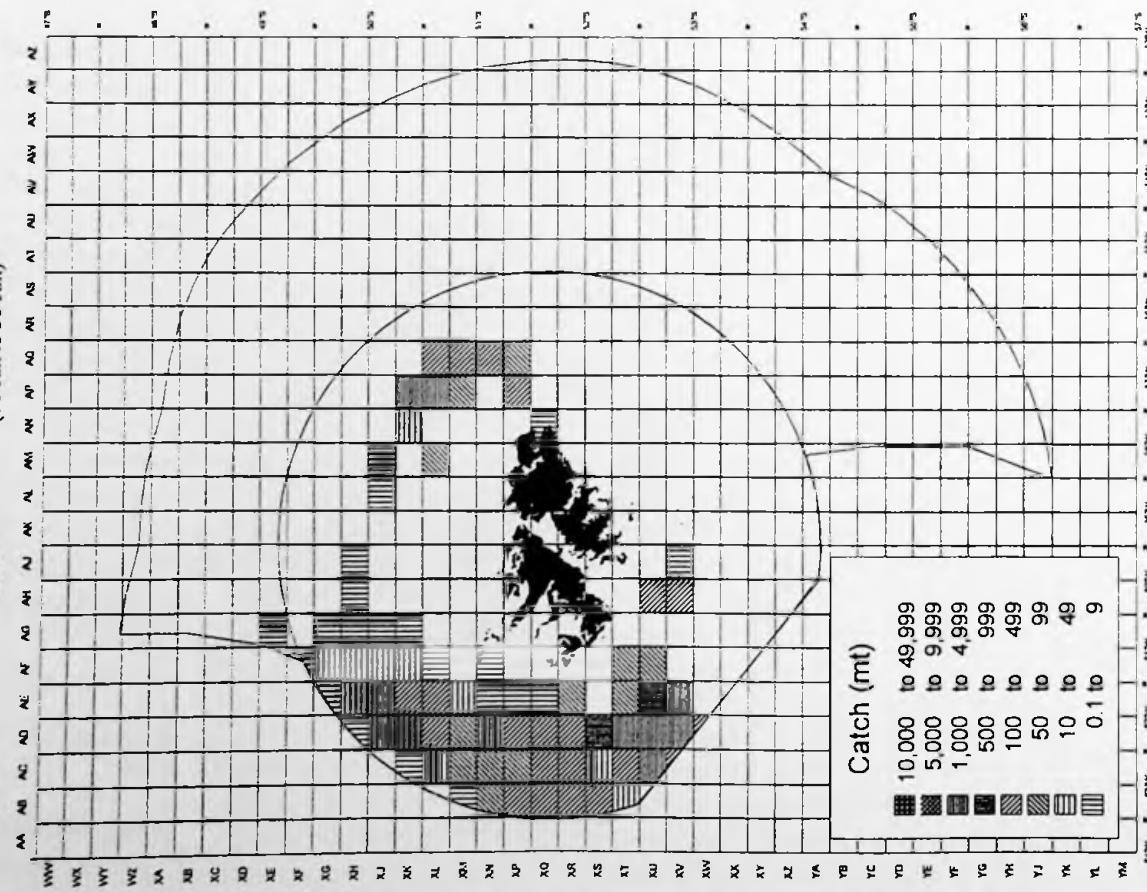
2nd Season (01 Jul to 31 Dec)



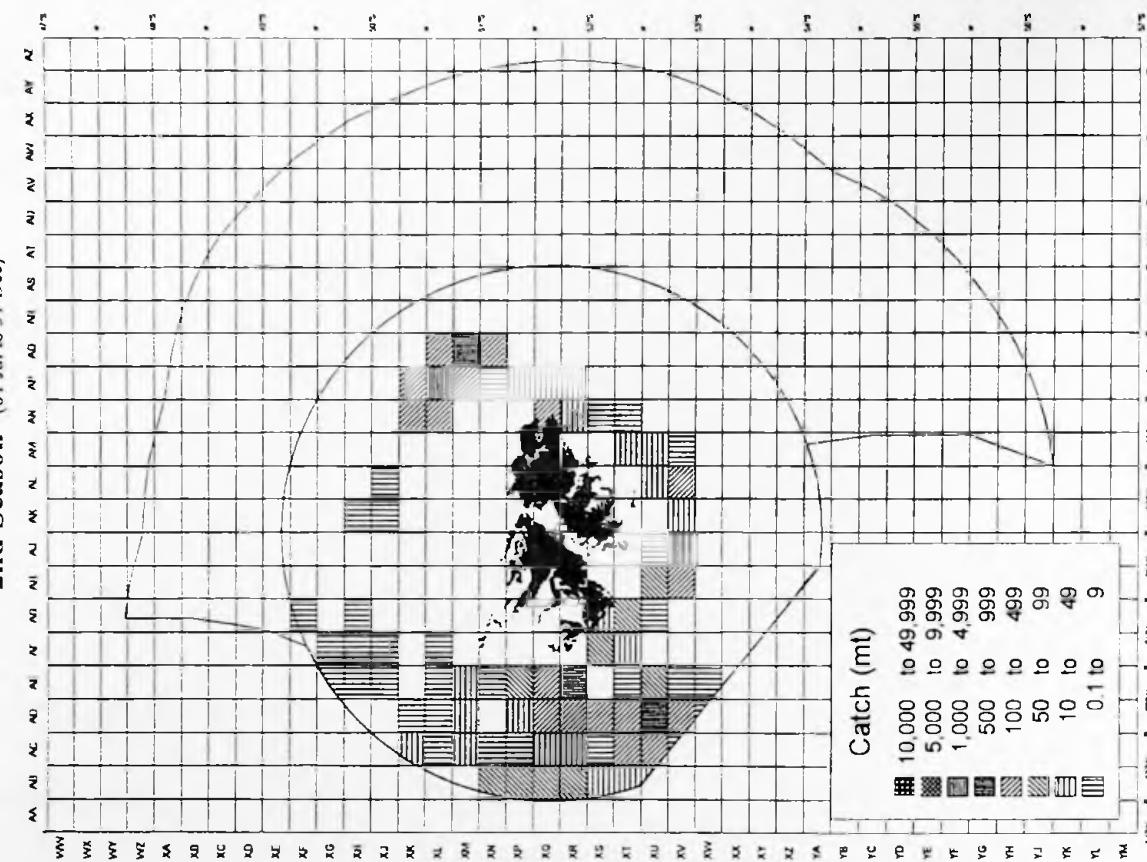
Catch (mt) by grid square

Micromesistius australis - Southern blue whiting

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	160608	149557	144189	62870	56914	73020	148633	79797
TR	3764	2655	2977	2994	992	3255	6632	5225	1130	5157
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January						0	2			0
February	4	67	1360	50	18	97	6844	5087	5	47
March	57138	48860	75874	79930	36330	44032	24296	37721	22507	26747
April	100261	36031	72602	67099	64887	16485	29121	30597	55143	49246
May	58065	17459	24898	12935	43942	6374	3858	6203	62088	8794
June	8555	0	3	1	8	4	0	116	10020	119
July			0	0	0					
August			0							0
September						1				1
October	0						1			1
December								1		
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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	1754
FK		6	128				351	195	37	809
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	35971
KR	49855	31953	58380	61346	58027	37076	50002	67395	120150	42425
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	13493	2049	1902	2971	1734
UK	3	19	58				12			
UR										
PA										1085
CN										1177
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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		663
400-599	10899	4844	4881	9658	10213	6246	9143	12541	15451	4163
600-799	67233	33075	57598	59231	76388	34557	36630	46349	91878	33846
800-999	47748	25773	43681	38054	30814	9165	4782	5974	10730	15991
1000-1499	73595	31385	59213	46146	27093	14941	8952	9520	30868	27267
1500-1999	4851	1180	502	519	55	500	1292	645	1	283
2000-2999	15393	3619	6902	5756	175	3	353	35	37	148
>2999	4304	1606	138	147		12	1943	3179	799	2593
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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	74
45-49	18491	11420	18764	21499	26738	19468	26950	36068	65537	22324
50-54	34176	16174	19771	23206	36882	14106	12230	19032	33449	15666
55-59	51754	18074	31110	31856	32841	10882	8154	7328	13910	4151
60-64	30015	14738	29258	25656	20622	9323	3243	4281	6750	9464
65-69	33942	19940	36613	31743	17910	8954	5151	4281	18271	20186
70-79	37394	17778	31021	20208	9242	4095	4473	3431	10015	10496
80-89	10388	3294	5892	4768	29		0	193		0
>89	6513	981	1131	1081	82	12	1943	3181	799	2593
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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	3013
1200-1399	30248	16193	27769	25456	27466	15802	15272	20910	42079	16869
1400-1599	47300	18068	35023	40365	55064	19804	17719	23585	48513	18633
1600-1799	44404	19107	32681	28231	15653	8447	10043	12433	20526	19577
1800-1999	48771	30233	48338	39377	25958	11921	5909	4747	19461	20200
2000-2499	11647	5293	9869	9288	5865	3475	4104	3276	6406	3920
2500-2999	15128	3322	8826	5850	147	499	331	828		
3000-3999	5750	1346	1757	1019	135	121	376	255	46	148
>3999	4312	2187	400	266	21		1943	3181	799	2593
	224022	102417	174738	160016	145185	66992	64122	79724	149763	84954

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					
>2999	4304	717								
	24783	5019	11153	7465	5	868	576	1479		

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
<50	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					
>89	4304									
	24783	5019	11153	7465	5	868	576	1479		

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								
>3999	4304	1253								
	24783	5019	11153	7465	5	868	576	1479		

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			663
400-599	8431	4825	4879	9658	9954	5941	8882	12310	15440	4089
600-799	67233	33075	57596	59203	76385	33808	36330	46176	91780	33721
800-999	47746	25748	42386	36110	30814	8918	4198	5826	10701	15631
1000-1499	67156	30161	53589	44081	26587	13502	6952	8708	30713	25694
1500-1999	3583									
2000-2999	1327		335							
	195476	94743	160608	149557	144189	62870	56914	73020	148633	79797

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	22000
50-54	32322	16174	19599	23185	36861	13336	11631	18255	33354	15617
55-59	51754	18072	29881	29902	32841	10166	7528	6326	13778	3764
60-64	29995	14698	29171	25572	20584	8677	2512	4047	6750	8713
65-69	33849	19881	36278	31727	17584	8552	4687	3694	18244	19649
70-79	27002	14505	25472	17728	8999	3371	2489	3109	9977	10054
>89	1327		335							
	195476	94743	160608	149557	144189	62870	56914	73020	148633	79797

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	3013
1200-1399	29635	16193	27769	25446	27466	15351	15104	20781	42074	16780
1400-1599	47300	18063	34899	40334	54803	19513	17128	23396	48381	18349
1600-1799	44386	19103	32681	28231	15653	8381	9873	12300	20526	19087
1800-1999	48769	30229	48111	39290	25916	10587	4535	4151	19314	19190
2000-2400	6070	4508	6742	6120	5475	2502	1943	1983	6405	3378
2500-2999	1527									
3000-3999	1327		335							
	195476	94743	160608	149557	144189	62870	56914	73020	148633	79797

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	74
600-799			2	28	3	749	300	173	98	124
800-999	1	25	66	41		247	563	148	30	360
1000-1499	89	44	565	399	506	1438	1857	813	155	1573
1500-1999	105	712	502	519	55	500	1292	645	1	283
2000-2999	2955	965	1702	1861	169	3	353	35	37	148
<2999		890	138	147		12	1943	3179	799	2593
	3764	2655	2977	2994	992	3255	6632	5225	1130	5157

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	74
45-49	614	6	67	58		699	600	408	28	324
50-54			172	20	20	402	325	124	95	49
55-59		2	0	50		217	323	176	132	386
60-64	19	40	87	84	38	645	731	234	1	751
65-69	93	59	335	15	326	403	465	587	27	537
70-79	85	1090	490	813	243	725	1984	322	37	442
80-89	2069	459	1027	873	23		0	193		0
>89	883	981	796	1081	82	12	1943	3181	799	2593
	3764	2655	2977	2994	992	3255	6632	5225	1130	5157

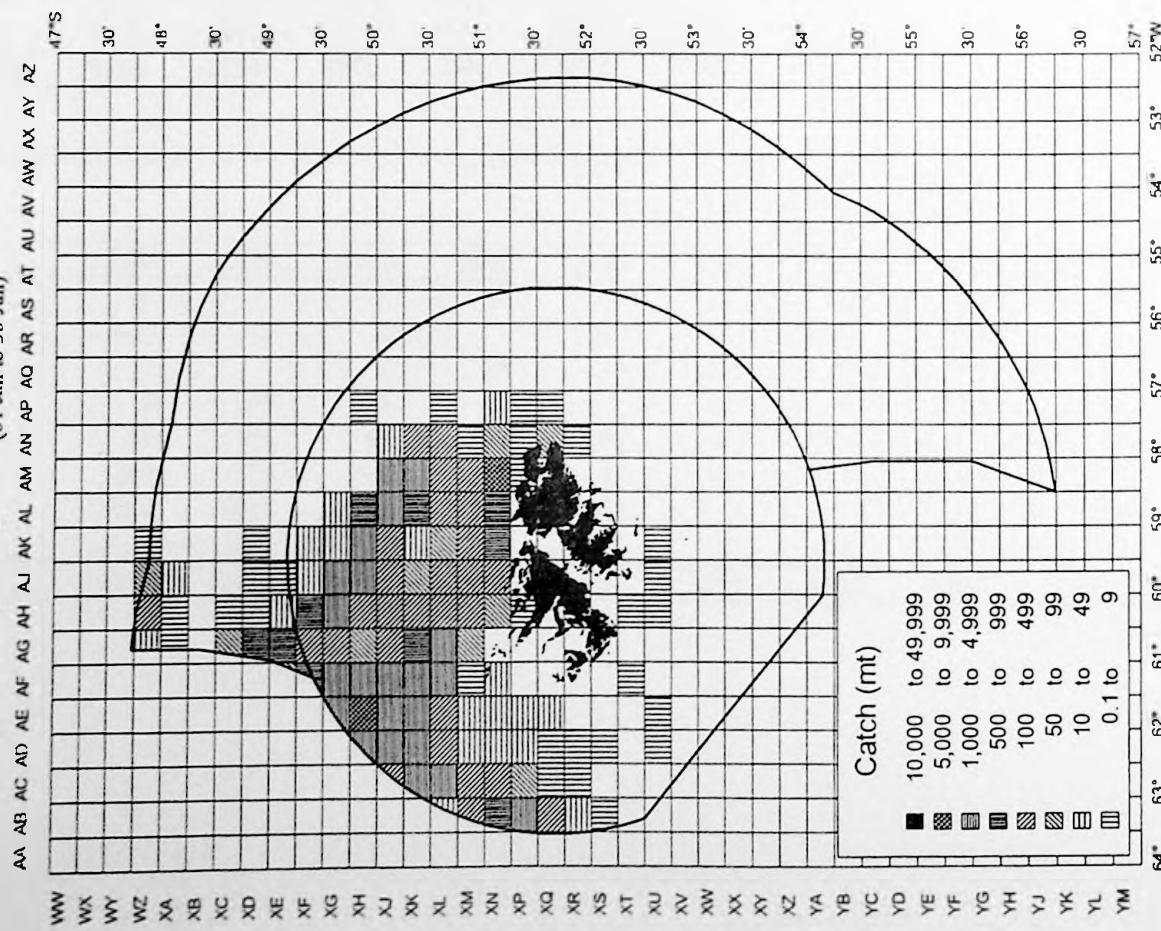
Table F.15 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

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	89
1400-1599	0	6	124	30	262	291	592	189	132	283
1600-1799	18	4				66	170	132		491
1800-1999	2	5	227	87	42	1334	1374	595	147	1011
2000-2499	2156	236	501	597	390	605	1744	639	1	541
2500-2999	31	573	299	957	142		172	2		
3000-3999	934	879	1422	1019	135	121	376	255	46	148
>3999	8	934	400	266	21		1943	3181	799	2593
	3764	2655	2977	2994	992	3255	6632	5225	1130	5157

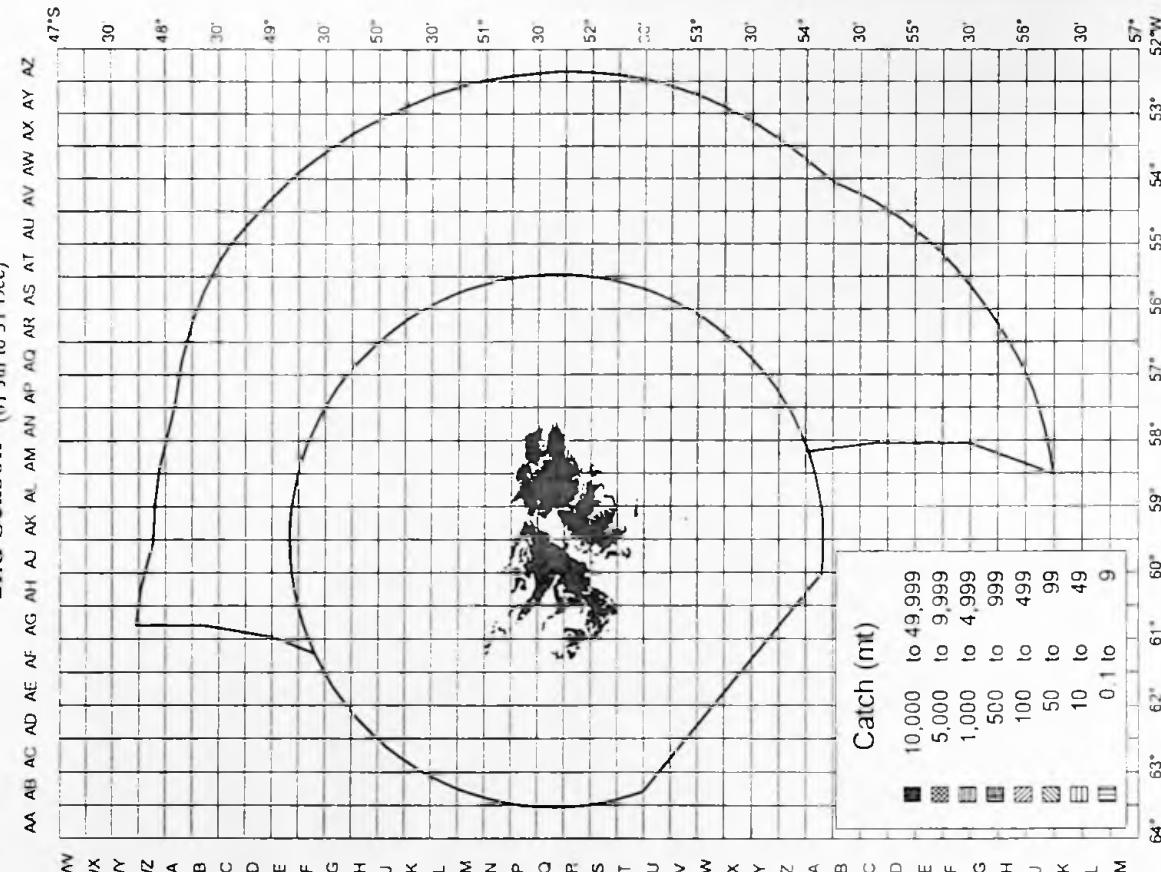
1996 *Illex argentinus*

FICZ and FO CZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



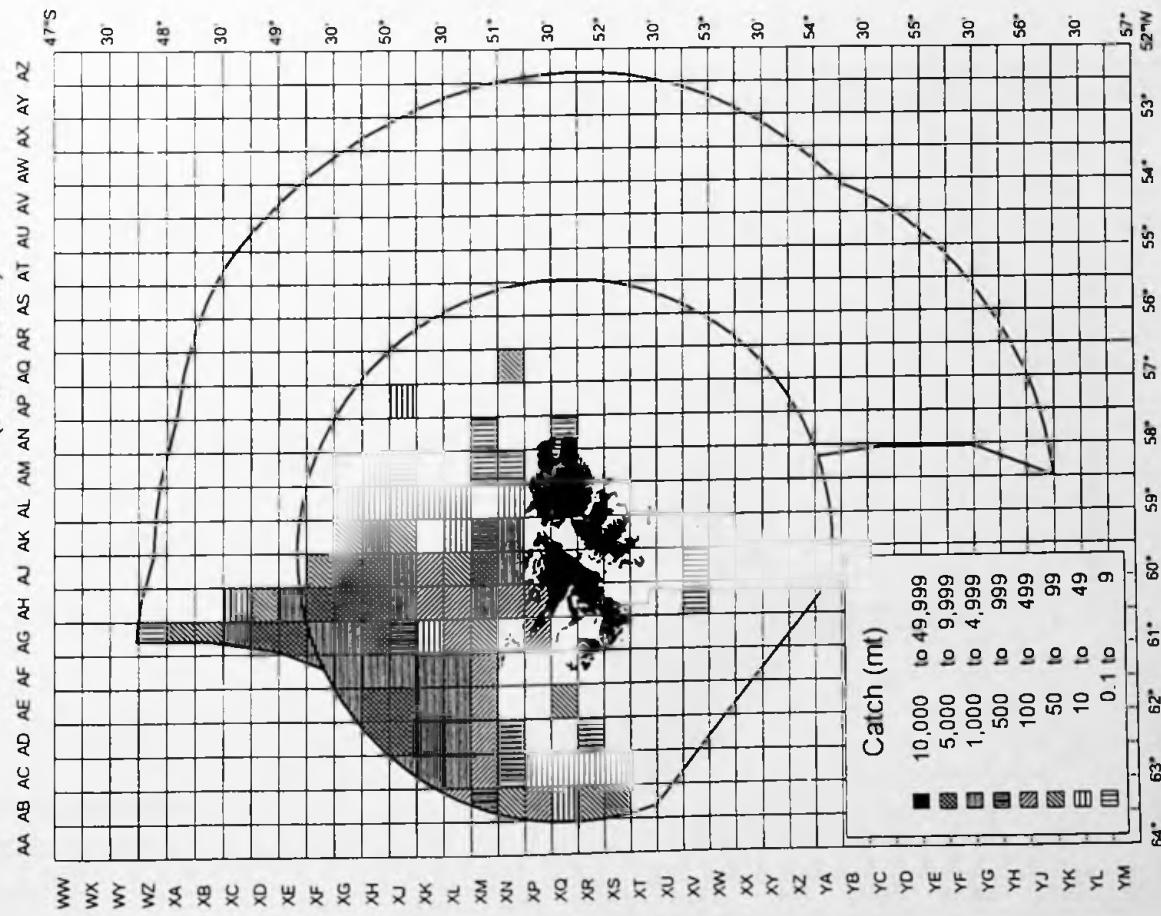
1997

Illex argentinus

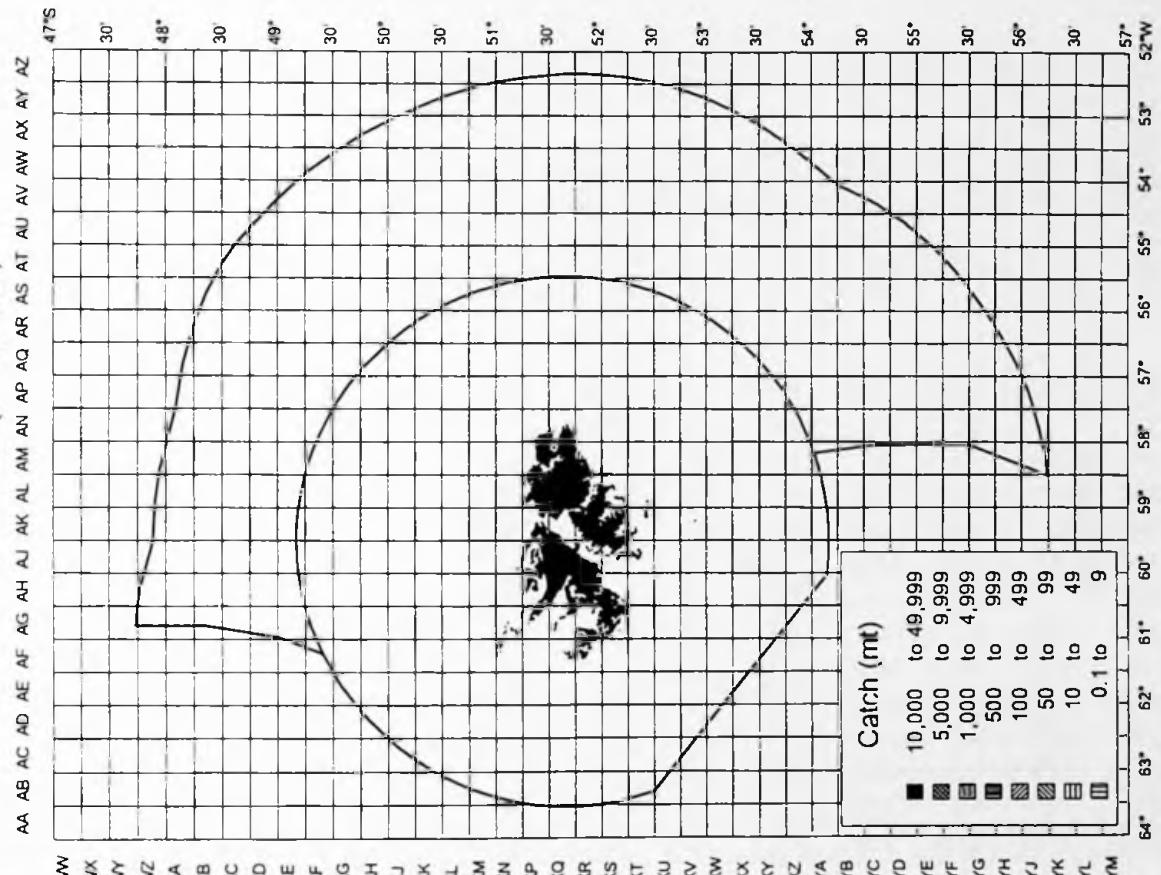
FICZ and FOCZ

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)

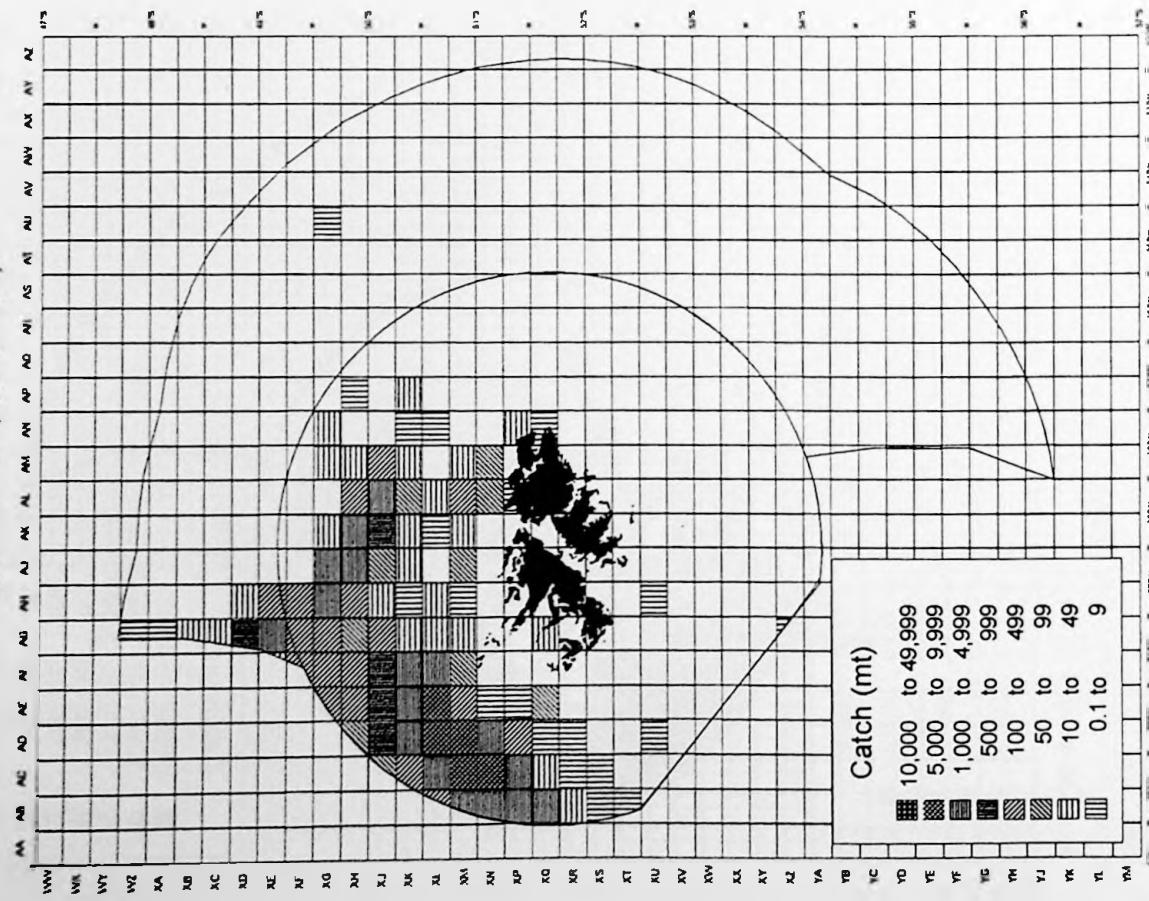


2nd Season (01 Jul to 31 Dec)

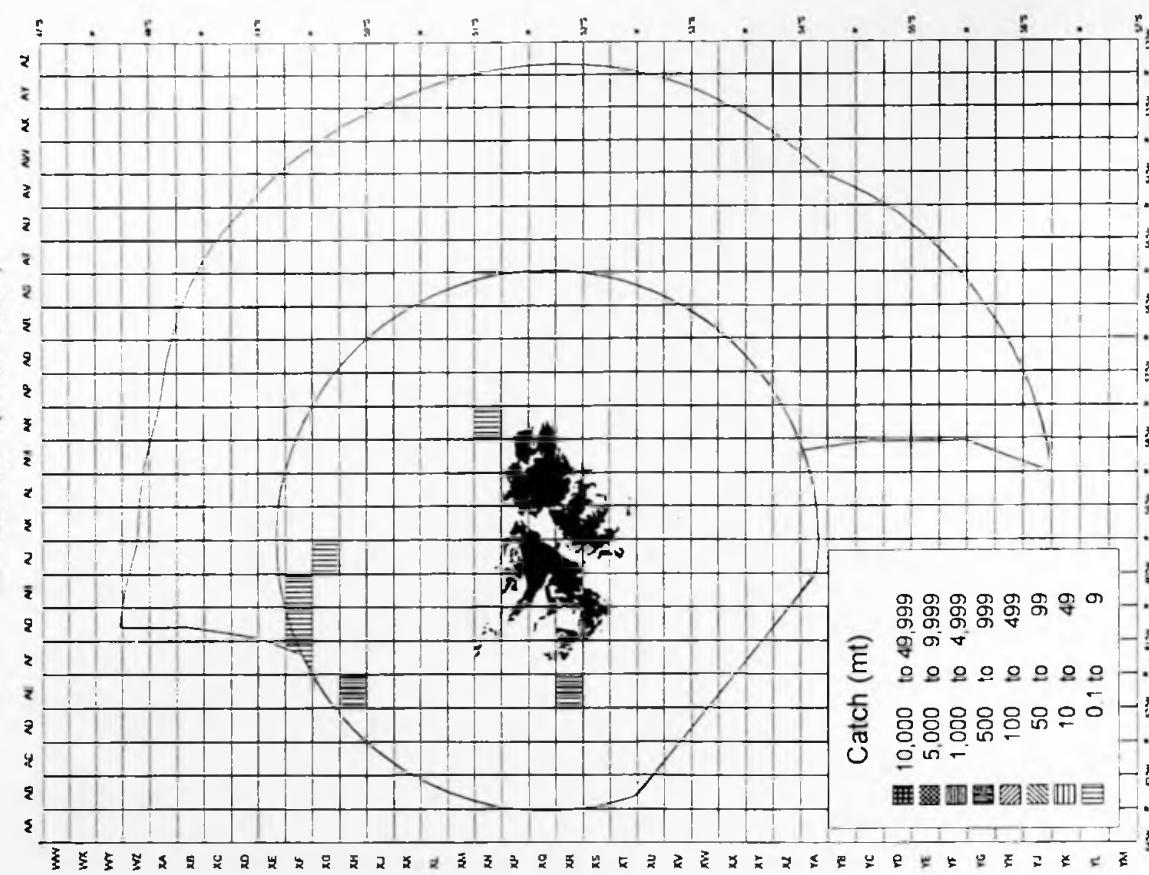


Illex argentinus - Illex squid

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

*Illex argentinus* - Illex squid

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	25
TR	935	822	941	1849	1643	868	1852	1668	1316	2187
	977	850	949	1952	1643	899	1985	1682	1392	2212

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		33
February	2	31	53	98	49	73	30	13	46	59
March	7	118	120	64	69	78	122	257	90	248
April	60	151	86	66	89	75	141	363	55	359
May	19	107	4	8	101	29	102	114	12	502
June	6	26	4	3	26	10	22	50		83
July	184	110	107	10	55	29	139	70	180	58
August	280	69	133	277	201	58	296	189	219	277
September	194	138	106	360	198	128	354	261	233	259
October	223	68	160	641	369	179	279	164	349	181
November	3	13	136	393	393	116	228	155	192	131
December		19	32	2	60	68	262	22	15	23
	977	850	949	1952	1643	899	1985	1682	1392	2212

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	1800
FK	2	1	15	4	8	22	116	297	153	253
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	2
KR	47	19	40	623	425	181	382	467	457	131
NA								5	24	
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				10	
SC										
SL				82	77	26				
UK	22	0	1		36	1	5	6	8	0
AU									2	
	977	850	949	1952	1643	899	1985	1682	1392	2212

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	25
400-599	24	122	39	114	192	48	105	96	36	102
600-799	29	31	46	137	290	151	243	219	303	432
800-999	143	64	162	470	274	185	401	338	225	372
1000-1499	342	231	359	238	366	385	623	446	649	1030
1500-1999	206	338	161	424	141	51	364	377	45	73
2000-2999	141	26	126	78	208	39	110	100	55	176
>2999	60	39	1	1	17	1	16	4	4	2
	977	850	949	1952	1643	899	1985	1682	1392	2212

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	78
45-49	63	28	76	102	93	112	259	160	138	422
50-54	106	127	186	599	668	332	474	602	519	282
55-59	59	36	52	518	192	50	261	191	321	494
60-64	131	59	77	201	74	122	397	168	174	287
65-69	125	183	106	113	102	81	254	118	96	342
70-79	316	273	344	308	285	161	299	345	138	299
80-89	91	40	52	68	147	18	16	94	0	6
>89	86	35	11	2	24	2	16	4	5	2
	977	850	949	1952	1643	899	1985	1682	1392	2212

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	205
1400-1599	62	52	81	42	140	72	204	73	216	459
1600-1799	46	51	10	34	5	25	83	83	46	215
1800-1999	192	116	238	229	232	334	548	262	450	792
2000-2499	270	312	215	888	540	224	637	784	336	257
2500-2999	109	75	94	521	355	121	235	201	217	106
3000-3999	111	71	129	38	186	39	116	201	62	176
>3999	124	59	48	70	42	6	20	4	5	2
	977	850	949	1952	1643	899	1985	1682	1392	2212

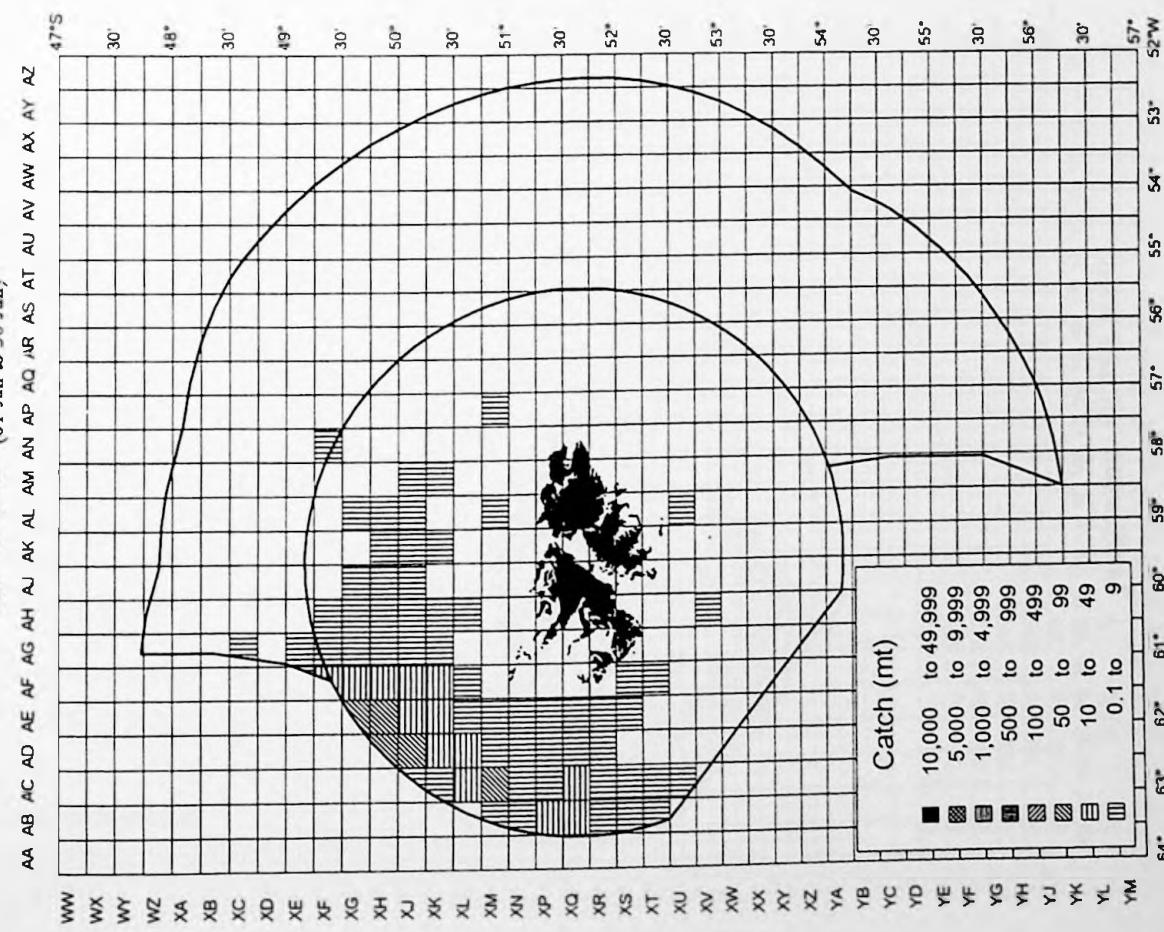
1996

Genypterus blacodes

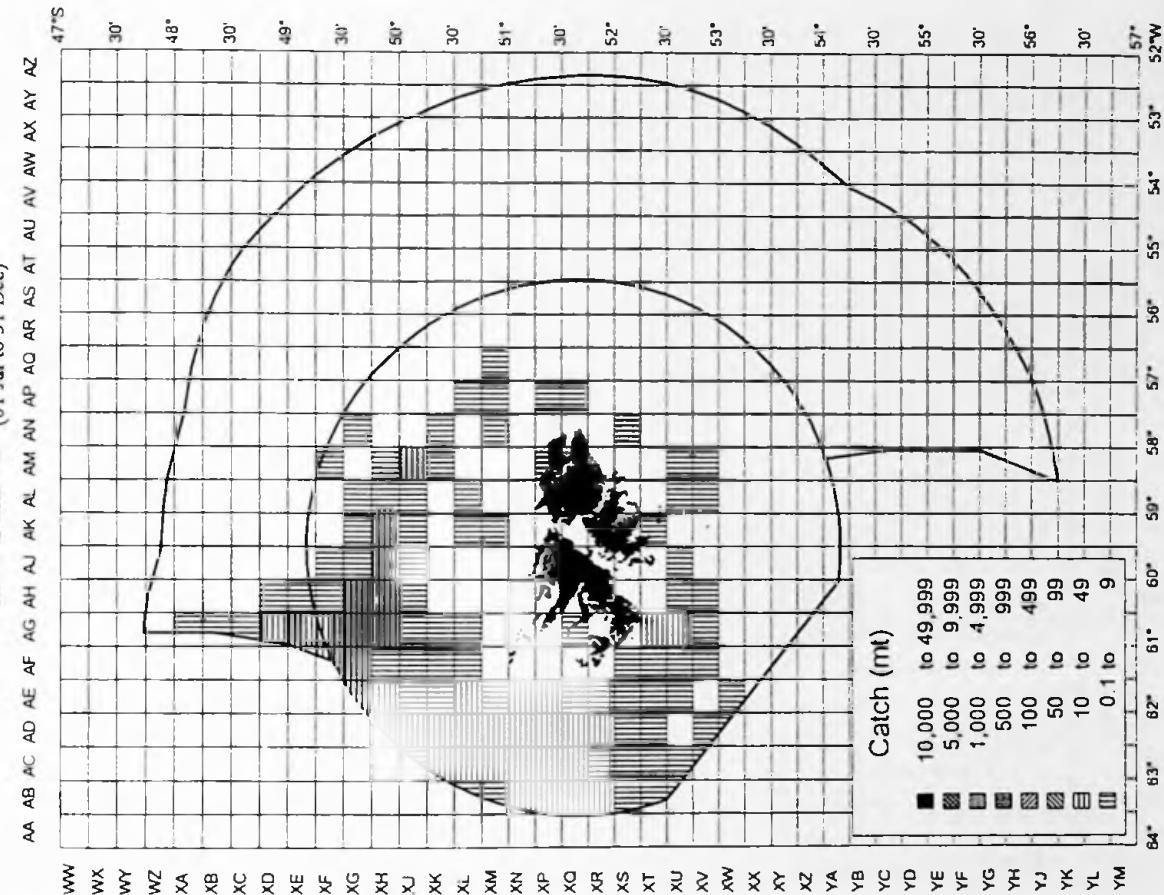
FICZ and FOCZ

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

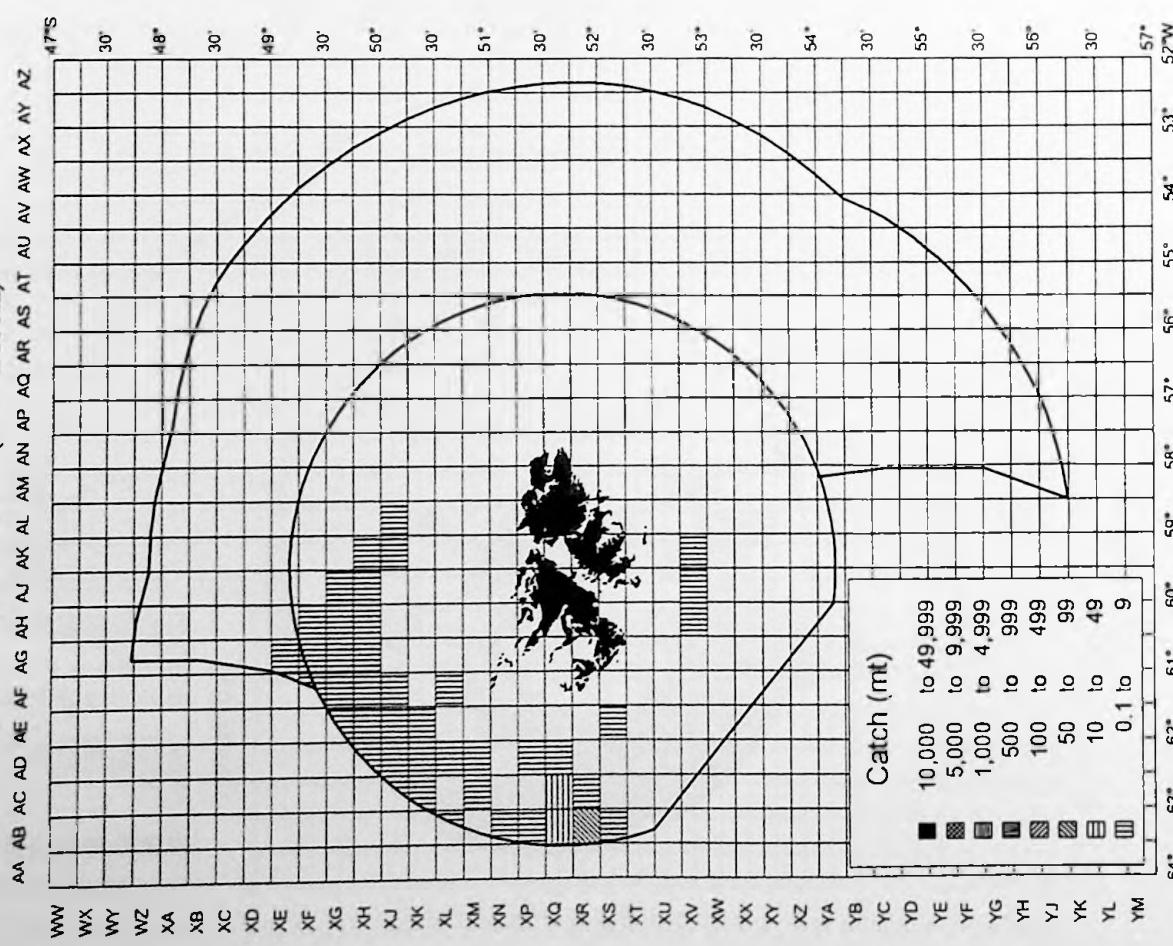


Genypterus blacodes - Kingclip

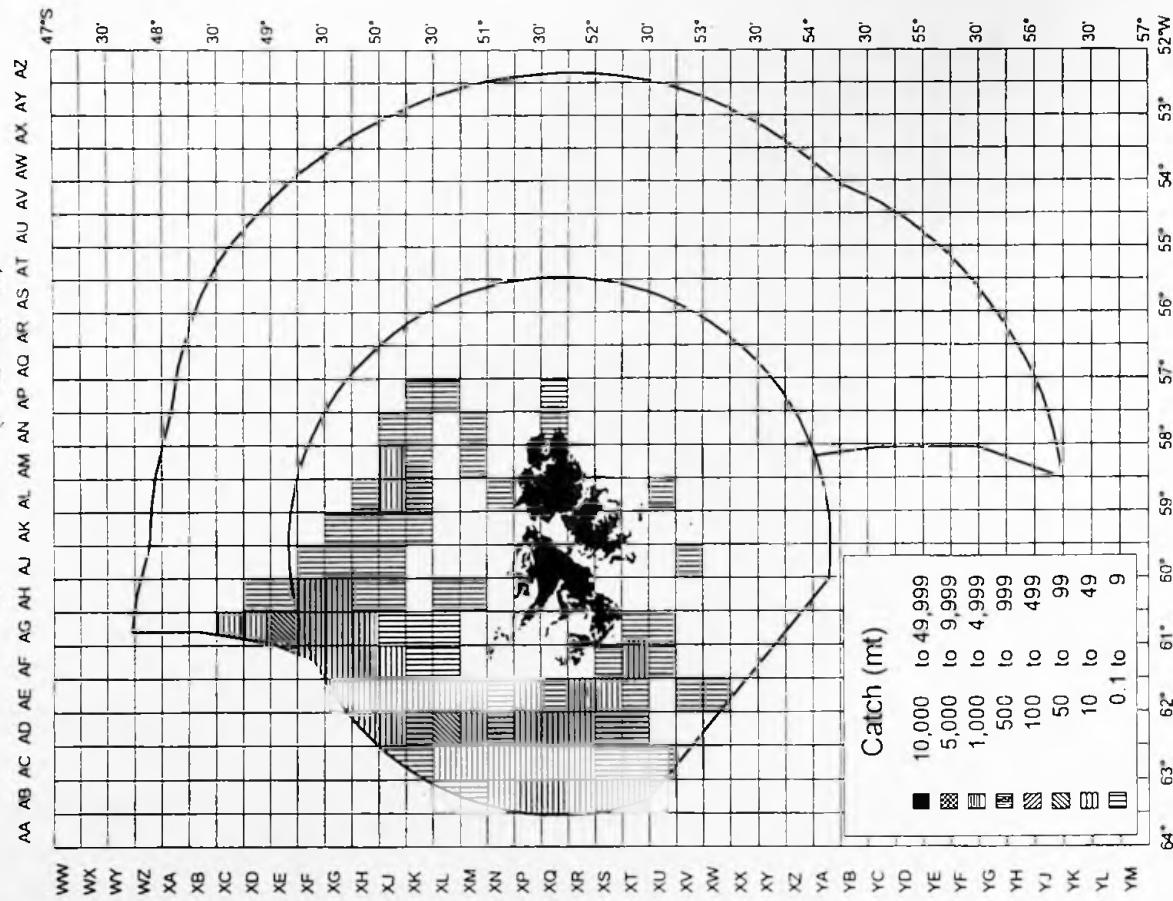
1997 *Genypterus blacodes*

FICZ and ROCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

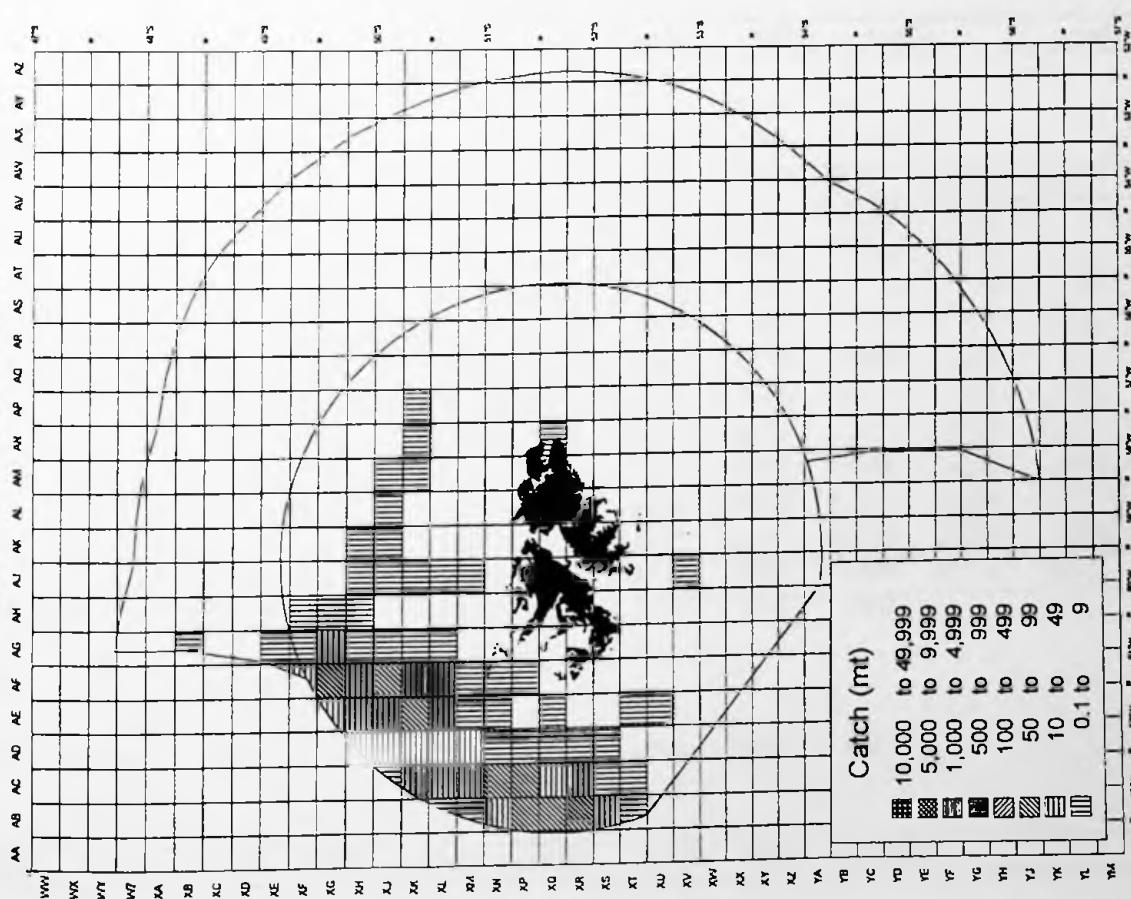
Genypterus blacodes - Kingclip

1998

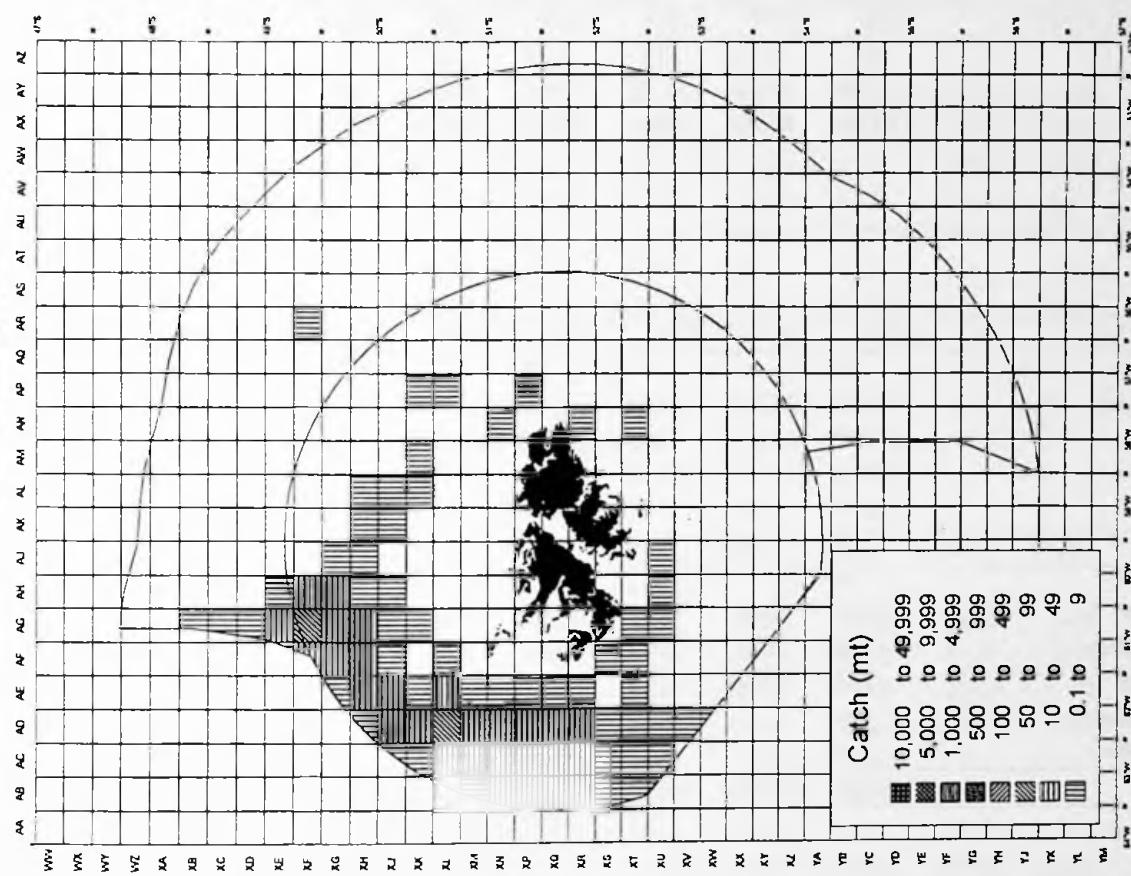
Genypterus blacodes

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



Genypterus blacodes - Kingclip

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	98357	61374	26122	51417
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

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				0
February	27896	25391	12148	15318	3724	9690	17686	6423	2223	8618
March	32309	21139	9552	12978	1500	7805	17851	6022	5068	12324
April	28019	14118	8532	8868	12303	9878	16837	14285	3863	6835
May	15277	8261	7121	10992	6040	8127	8548	11949	4808	4984
June	3177	457	0	1			1	0		507
July	58		5	6	5	1	4	1	0	761
August	5921	5794	9457	15035	15682	14752	18756	12157	6220	9617
September	5086	4080	2729	12844	8433	11739	14619	8180	3932	5915
October	914	3750	4270	7340	4590	3762	4088	2355	7	1802
November	0		1	2	1	0	13	1	0	6
December	2						6		0	47
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

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	0
ES	63157	45435	35504	60843	39012	46736	53768	22716	6552	6197
FK	750	5796	1094	1683	1494	5266	22310	24366	12710	31917
FR					1636	7240	4392	1512	4146	
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	2591
KR	4	0	43	13	6	11	151	38	4	
NA								74		1
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	3337
AU										3198
UY										30
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

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	3
600-799	2103	576	387	4184	5141	3912	3113	1718	1188	2494
800-999	8759	4112	3463	7603	2013	5831	1692	2873	442	831
1000-1499	30217	16962	16456	33122	13623	18650	39533	15000	7613	9141
1500-1999	25236	21320	14173	9387	11077	14290	14871	13015	5637	11203
2000-2999	44106	28911	16248	22939	15476	17308	33597	25579	9690	25154
>2999	387	7233	2534	5034	4399	5687	5558	3187	1552	2591
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

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

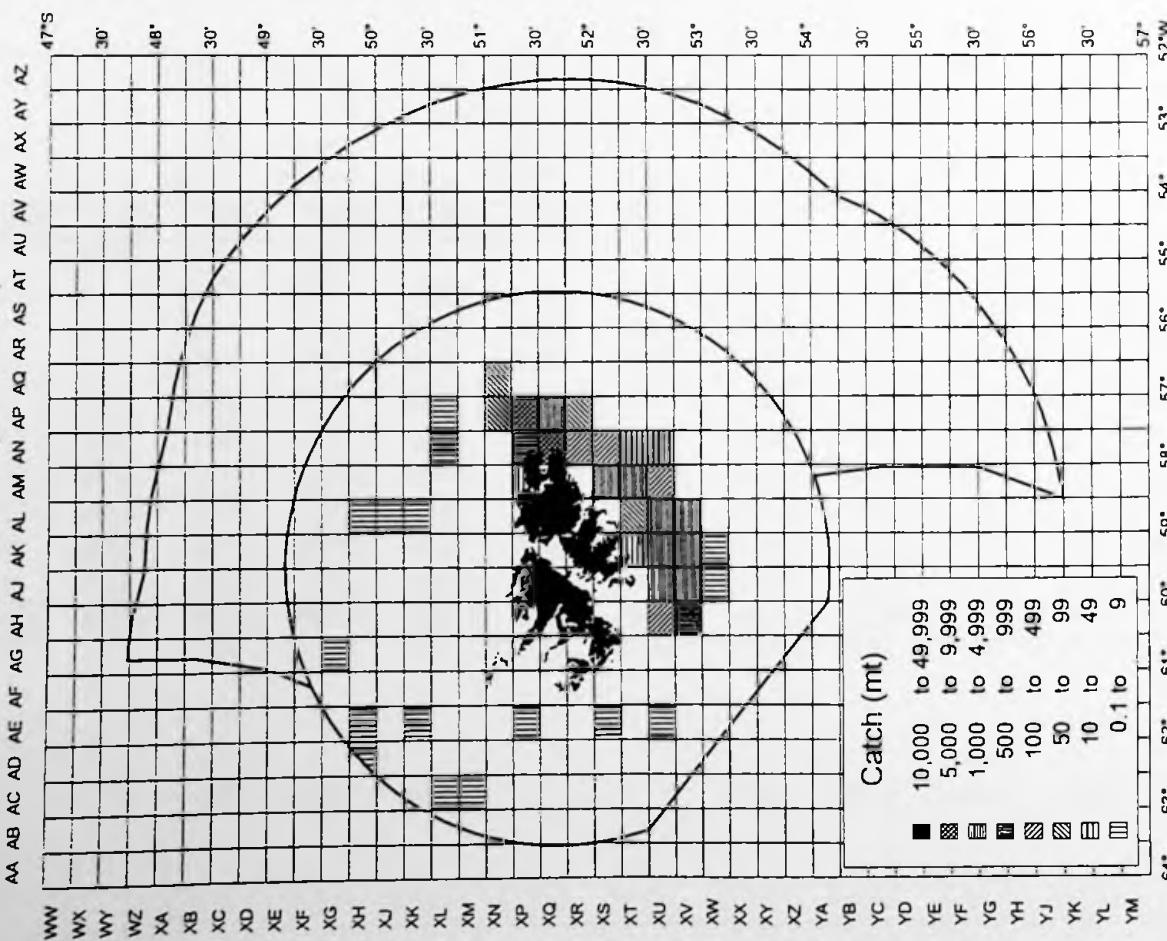
LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	4071	1630	0	14	46	18	1			2
45-49	2392	1637	3888	10288	3862	5968	1632	1275	438	803
50-54	6820	1850	3720	9785	4436	5930	7598	4634	2671	5271
55-59	5441	3229	123	4456	1643	1050	49	2616	76	333
60-64	9848	11324	2494	9319	6622	8137	14186	12542	5682	6486
65-69	6485	3717	10505	5629	4557	5870	12045	6329	2473	4231
70-79	43923	23054	18009	21892	16277	22588	36849	21155	7552	19393
80-89	29898	20805	8329	10345	6654	5851	12701	4797	3869	7995
>89	9842	15744	6748	11656	8182	10345	13349	8025	3361	6904
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

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

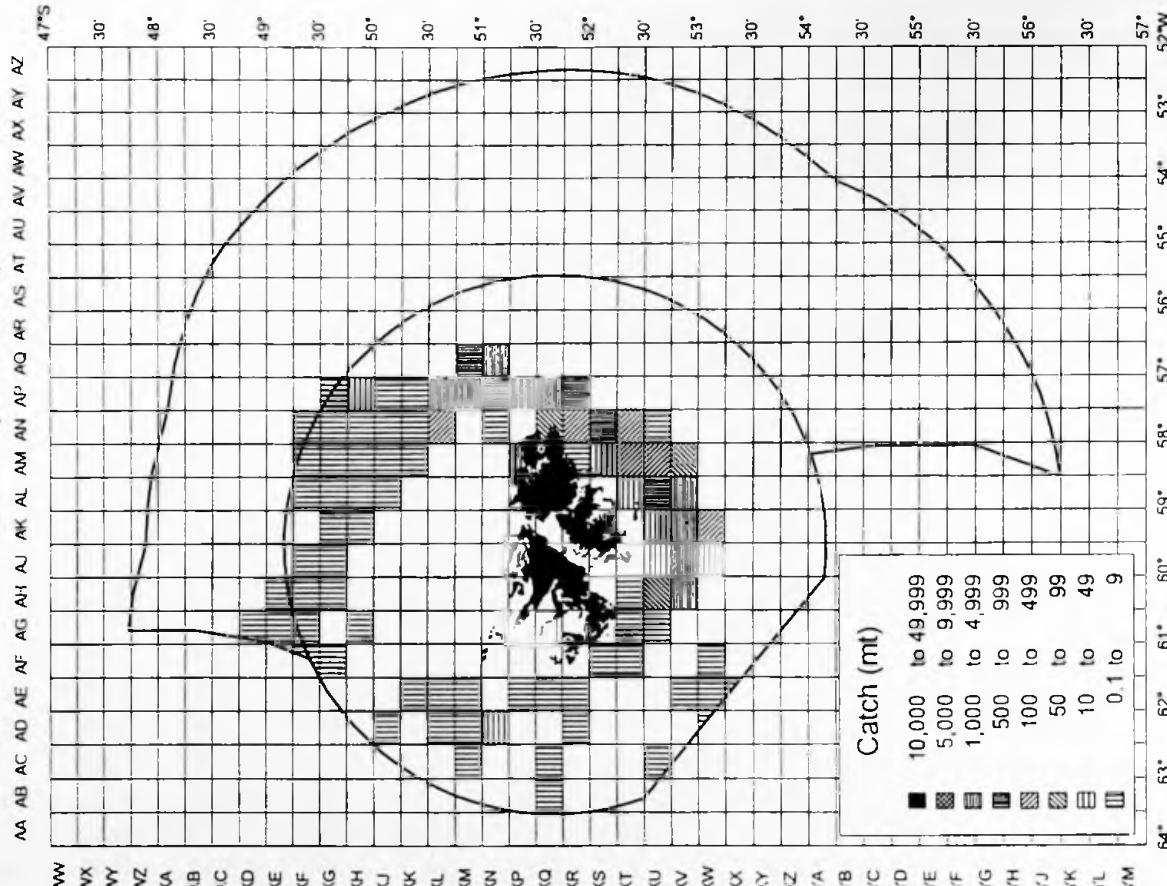
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					1	1931	3078	1712		
1000-1199	6299	2349	233	4011	2831	125	6	0		
1200-1399	5840	2952	606	2595	1647	1898	3	4	74	7
1400-1599	2996	303	5354	6276	2057	914	46	0	1114	2523
1600-1799	2598	343		4	2151	17	1067	2836	475	840
1800-1999	2374	13674	6968	15645	6127	7048	11824	7285	3477	2610
2000-2499	32293	10113	13339	15423	11494	18572	22567	9539	5770	11530
2500-2999	13475	10418	7774	10963	6011	8272	7503	4566	1366	2825
3000-3999	40664	25585	12794	16792	8826	12748	31376	22804	8578	20608
>3999	12181	17253	6750	11675	11134	14233	20938	12629	5268	10474
	118720	82990	53817	83384	52279	65757	98409	61374	26122	51417

1996 *Loligo gahi*

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

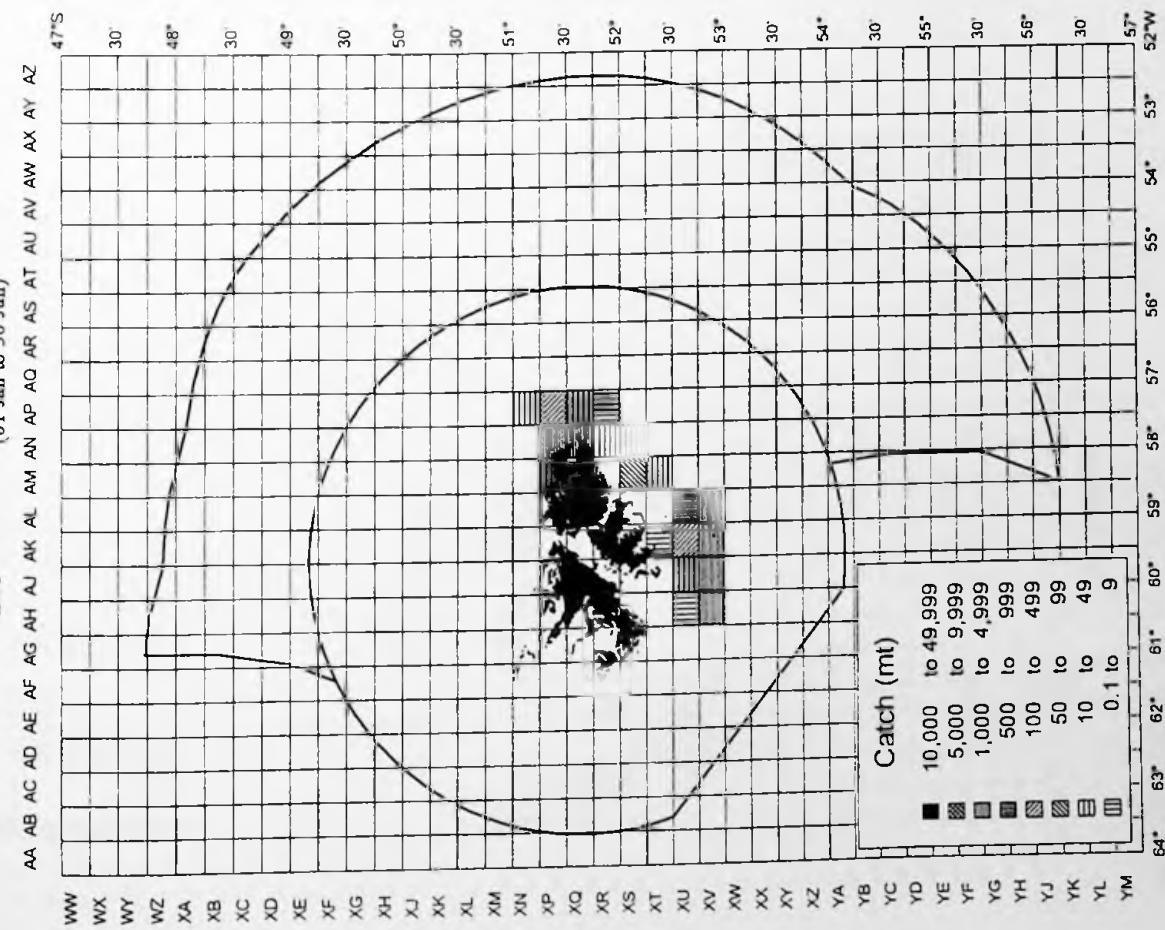


1997

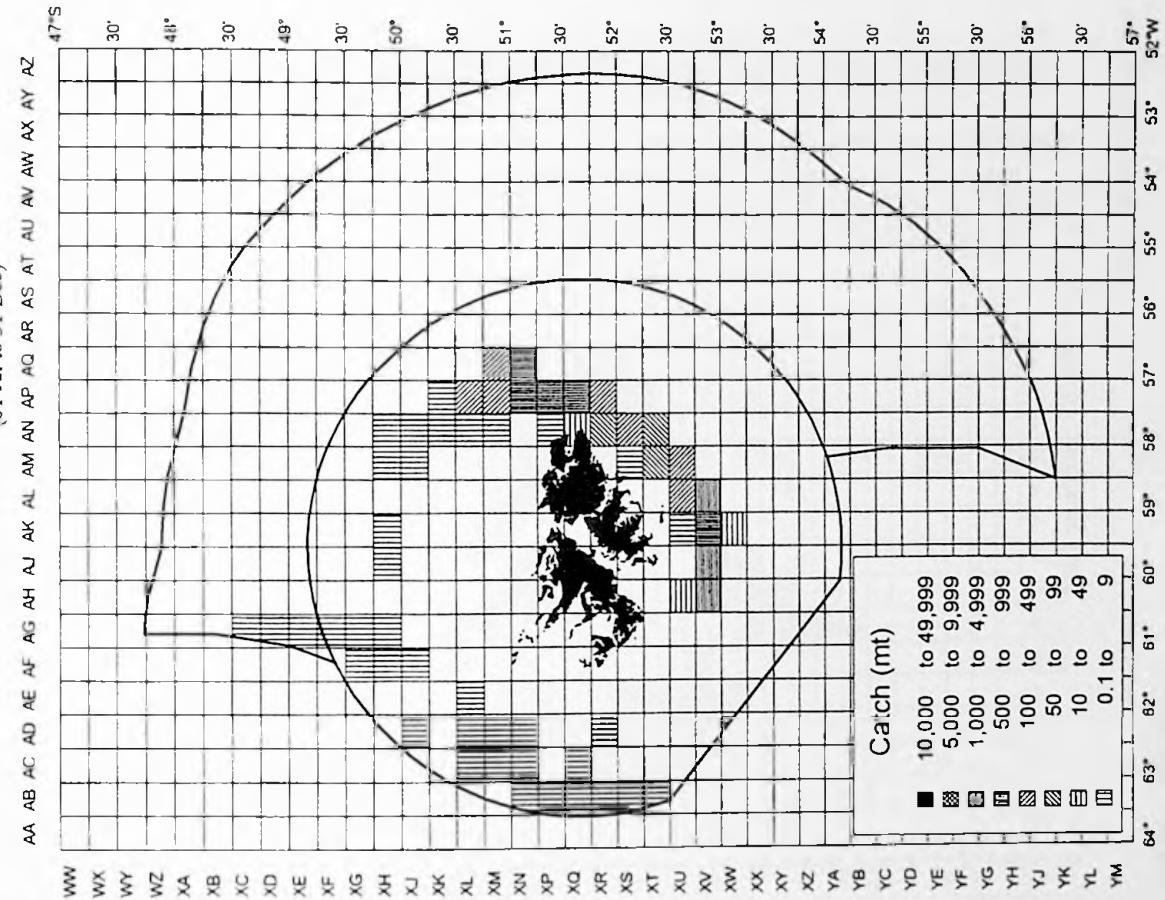
Loligo gahi

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

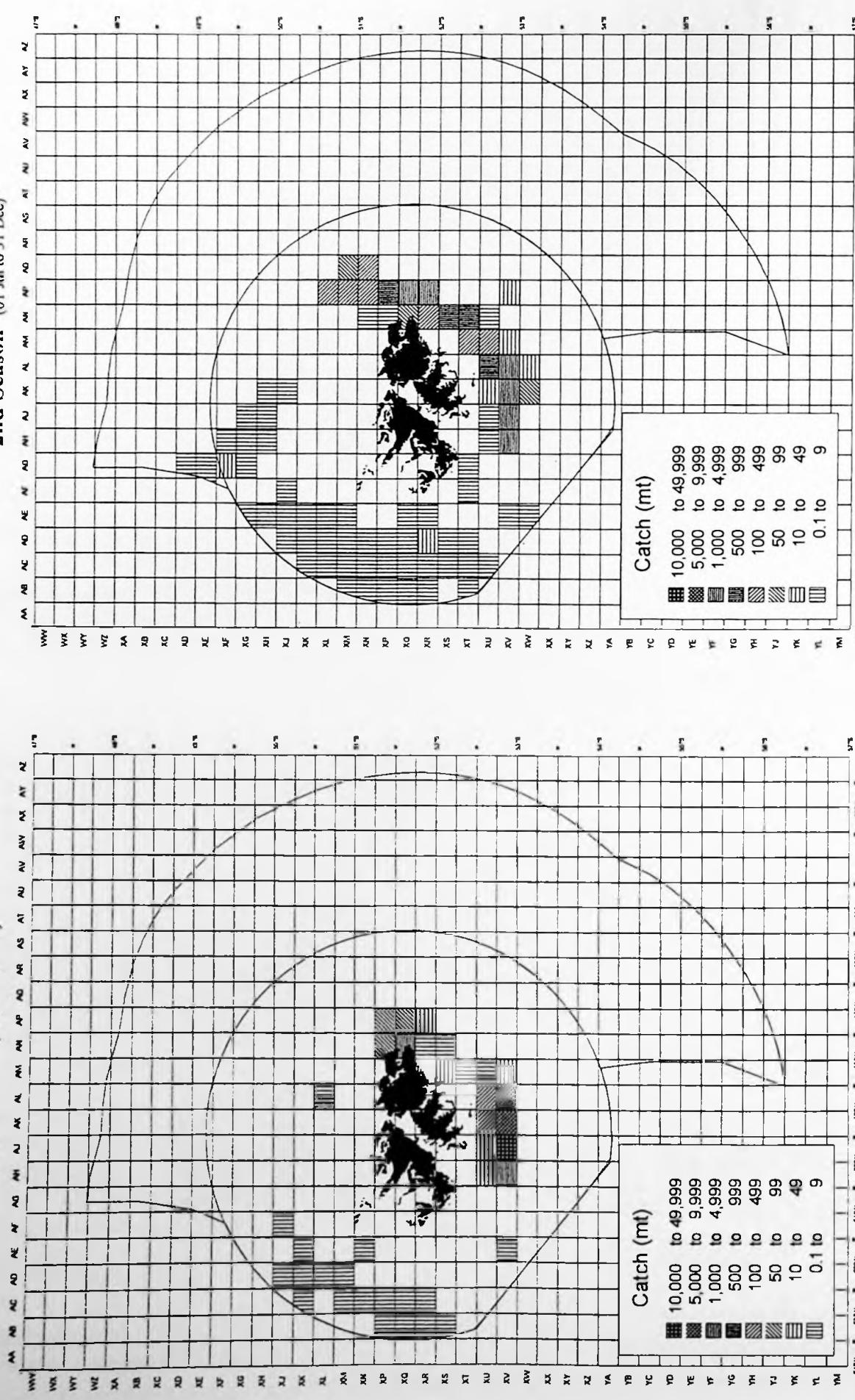


Catch (mt) by grid square

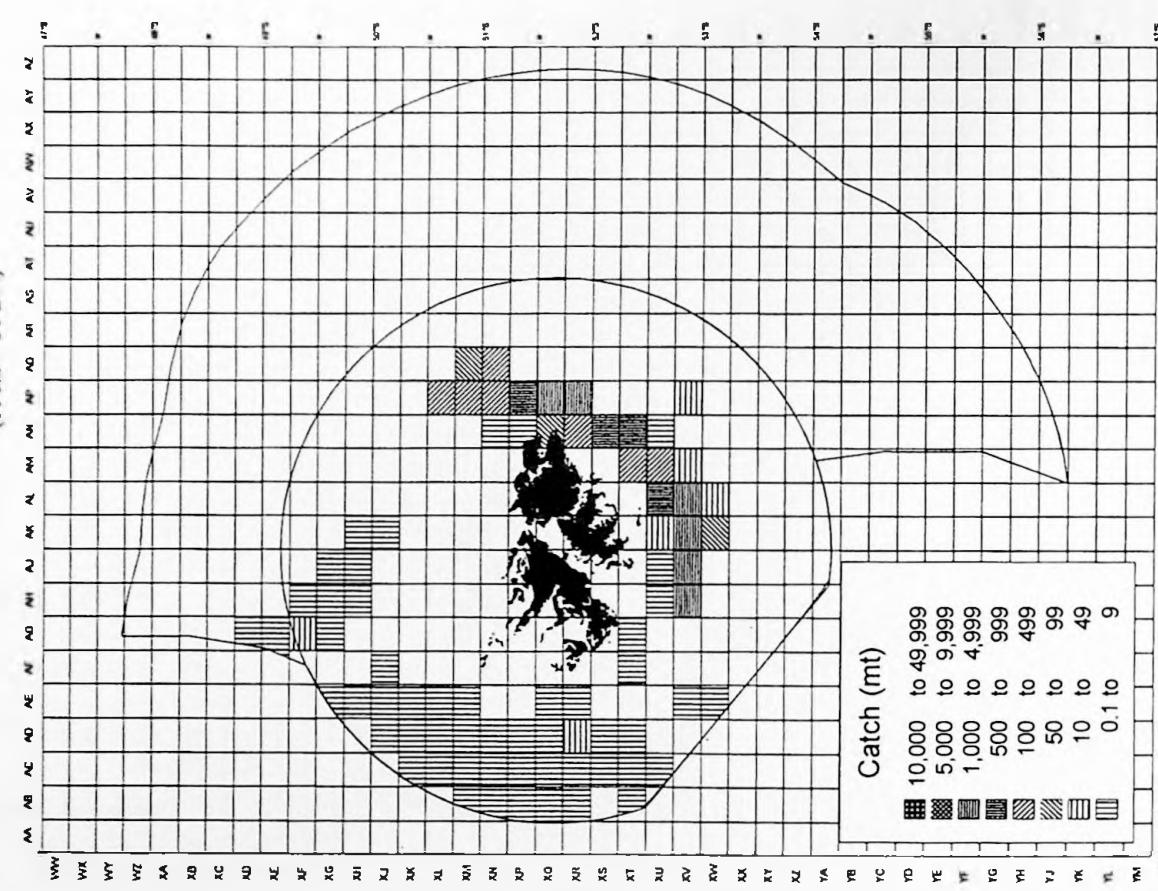
Loligo gahi - Patagonian squid

Catch (mt) by grid square

1st Season (01 Jan 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						
TR	0	3	3	1	20	0	5807	107	2099	
	0	4	141	1	33	0	5807	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						4	44	454		
July	0									
August					0					
September				1						
November					0		0			
December								3		
	0	4	141	1	33	0	5807	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				5322	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	5807	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			3884	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				
>2999		1			0				3	
	0	4	141	1	33	0	5807	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	249		27	
65-69			0	3			0	233	1	570
70-79			0	55	0		0	99	0	504
80-89		3	2		32					
>89		0			0				3	
	0	4	141	1	33	0	5807	111	2099	

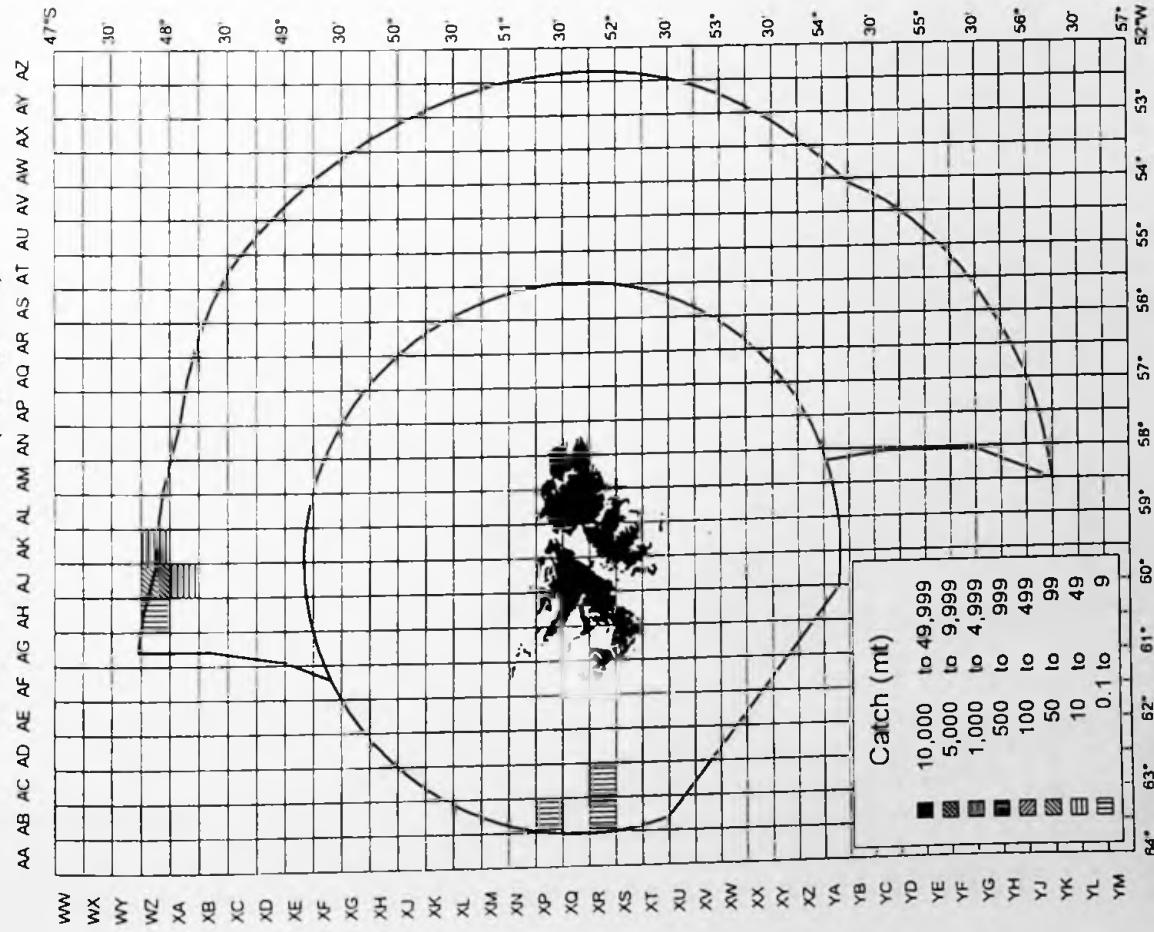
Table I.6 Total catch (tonnes) by brake horsepower (BHP) and year

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	712	
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	
>3999		1			0					
	0	4	141	1	33	0	5807	111	2099	

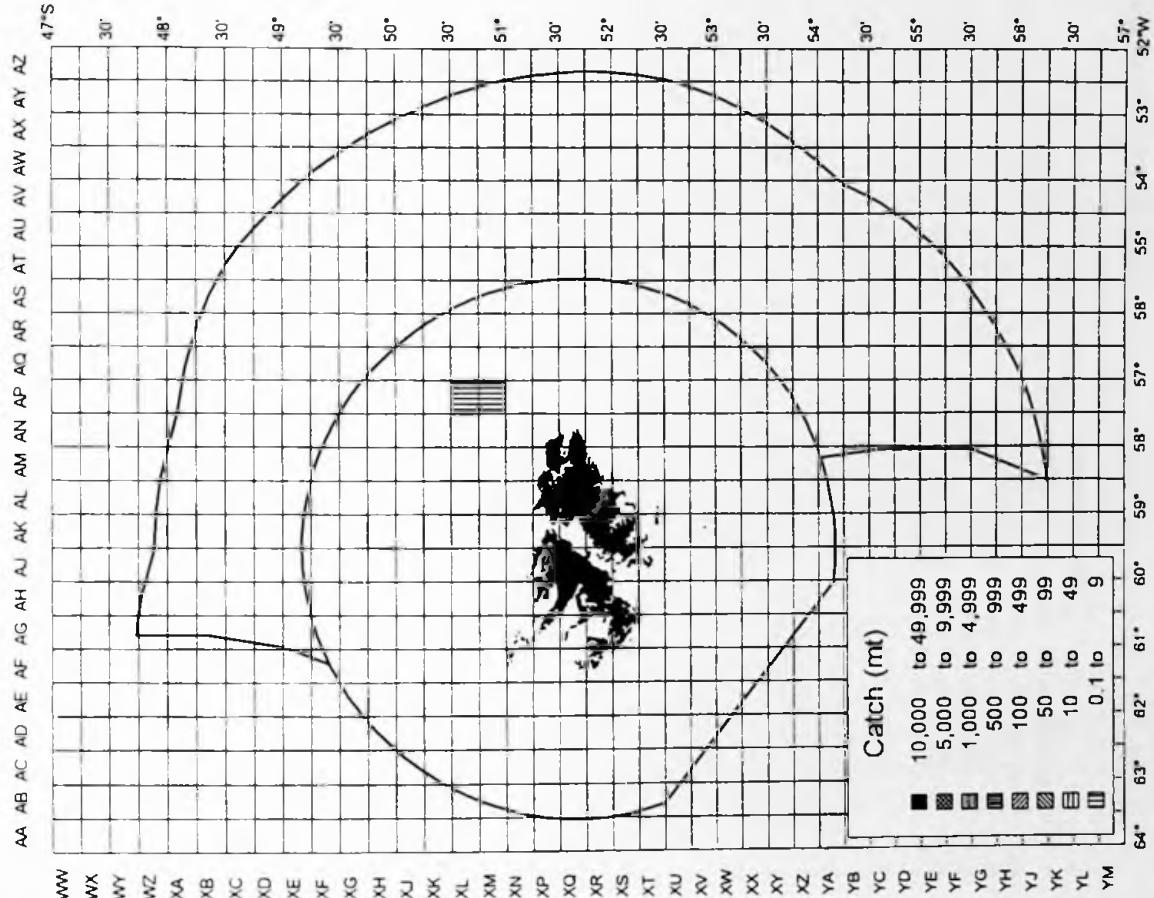
1996 *Martialia hyadesi*

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

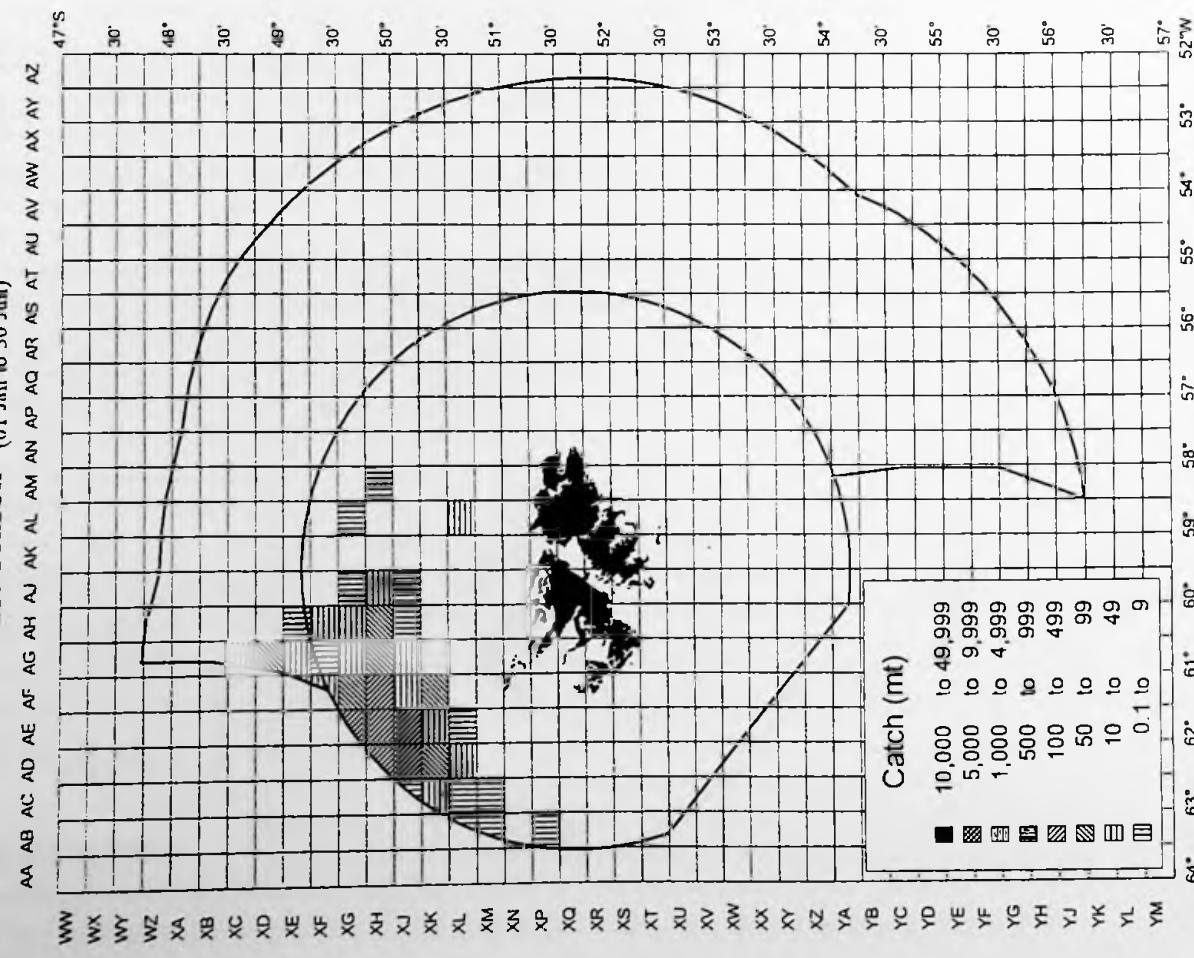


Catch (mt) by grid square

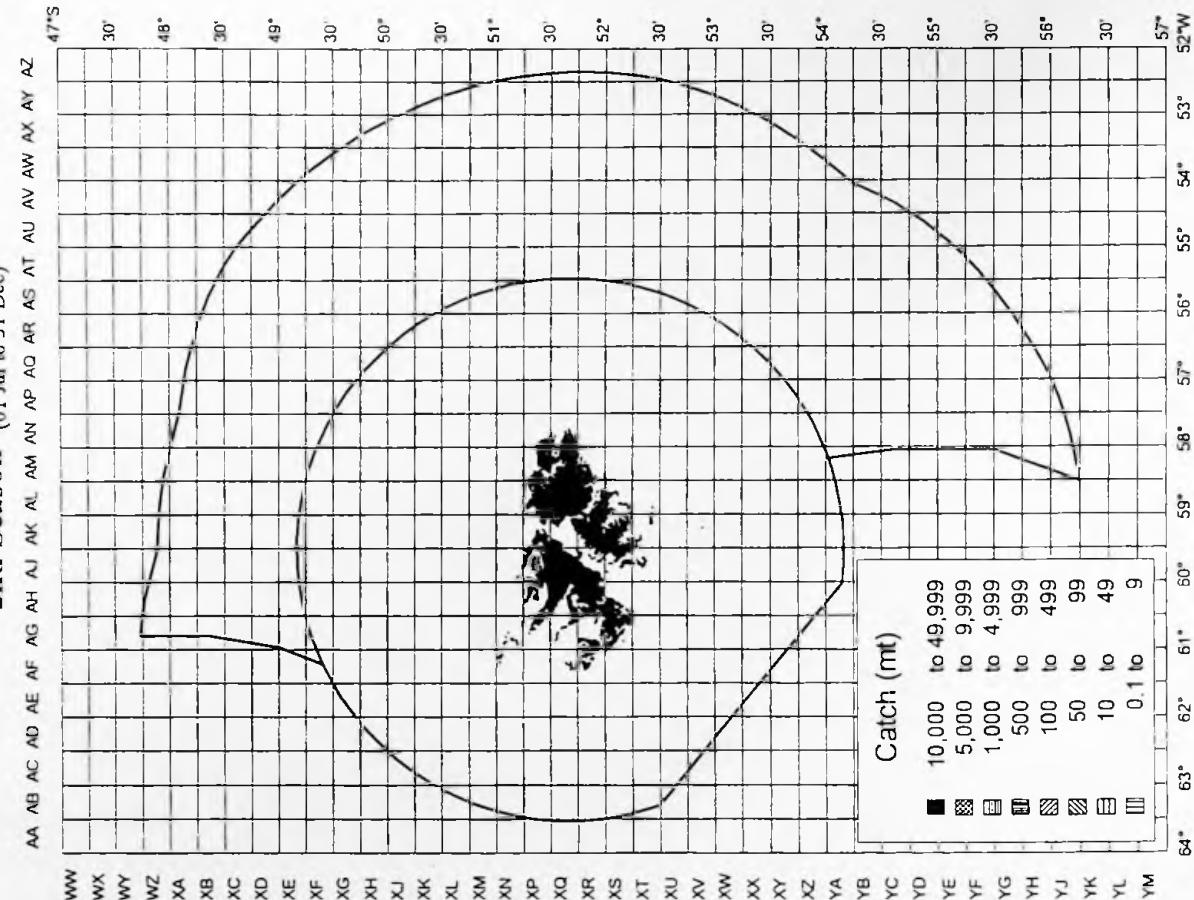
Martialia hyadesi - Martialia squid

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



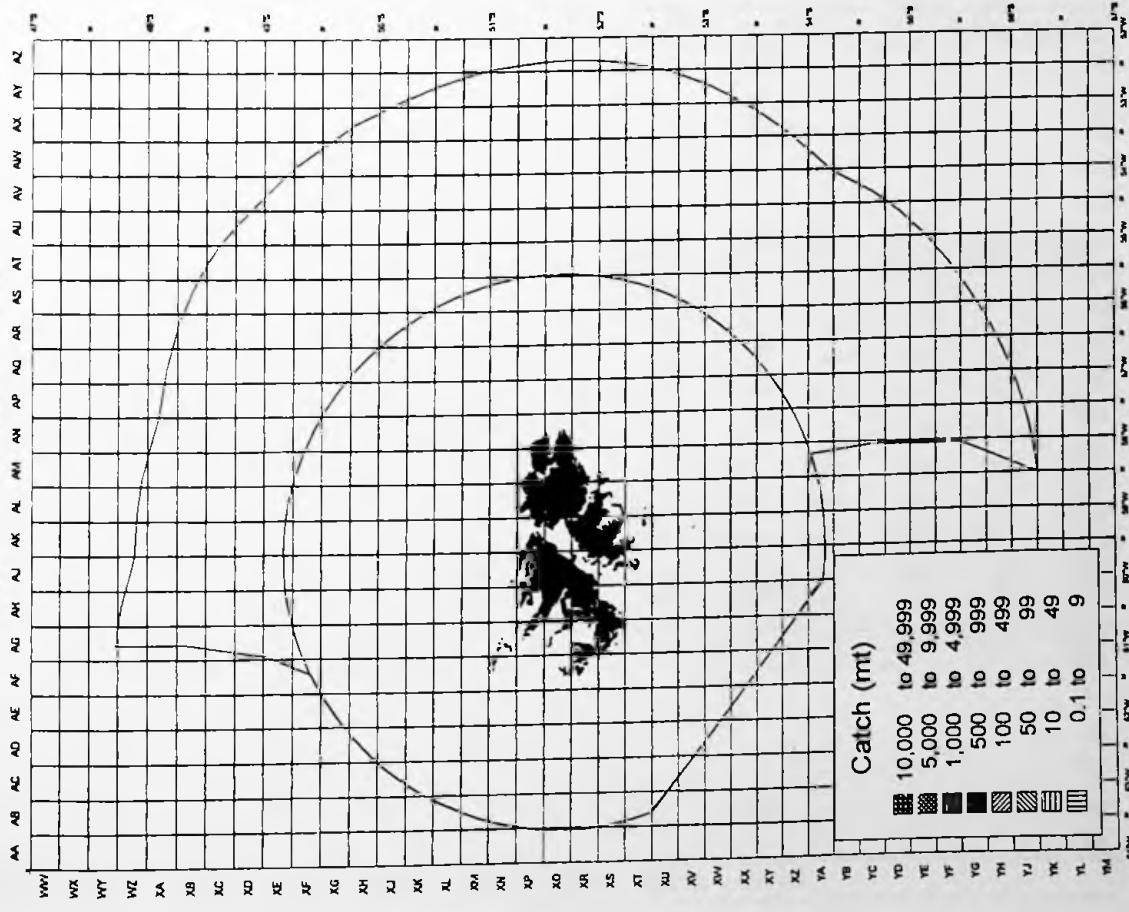
1998

Martialia hyadesi

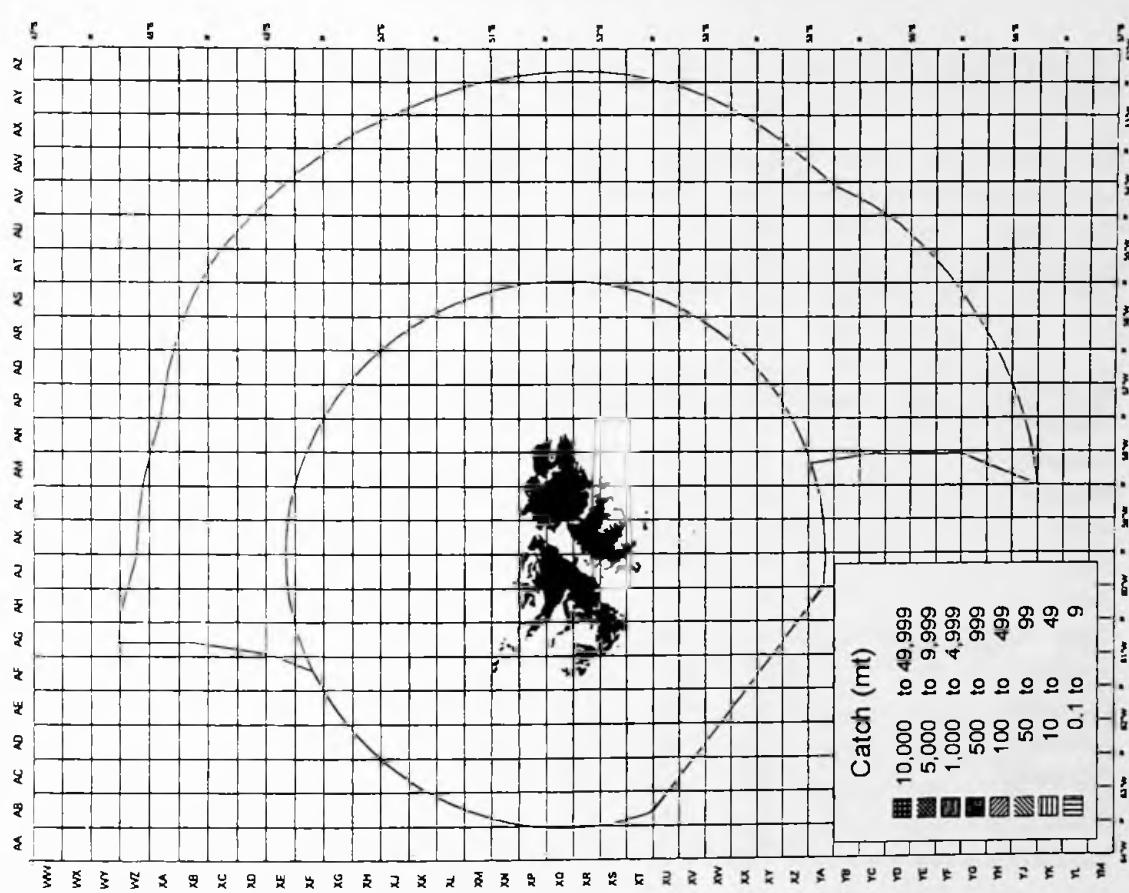
Martialia hyadesi - *Martialia* squid

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



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	36
TR	15118	11515	6591	3935	3029	1336	1872	1636	1493	3458
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

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		47
February	6	459	641	479	171	80	23	11	67	112
March	325	1846	1011	717	140	50	137	345	100	427
April	3211	2453	1000	586	466	188	230	352	92	540
May	462	1608	128	141	328	147	183	109	100	1063
June	142	359	43	16	92	58	108	84		312
July	2216	1468	1465	83	165	61	289	128	213	77
August	6016	1051	1182	789	392	221	334	277	341	305
September	3213	2041	533	445	352	155	275	133	304	401
October	870	404	192	246	337	128	171	77	256	152
November	10	129	256	301	239	103	91	46	75	57
December	14	82	77	106	55	27	114	16	4	2
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

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	0
ES	12336	10490	5995	3091	1693	967	1154	807	662	2381
FK	19	46	25	29	88	43	195	382	267	959
FR					20	5	17	4	3	
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	30
KR	60	136	290	390	446	197	371	241	517	86
NA								12	15	
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	18
AU										3
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

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	36
400-599	365	1589	456	185	241	103	130	71	58	89
600-799	445	83	603	220	327	111	129	125	161	244
800-999	1657	801	584	488	257	182	310	193	299	269
1000-1499	6765	3222	1409	1134	903	560	732	548	756	2239
1500-1999	3039	5486	1634	1336	444	146	283	375	73	218
2000-2999	3270	509	1832	409	577	202	201	187	93	370
>2999	921	209	1	5	55	31	75	84	54	30
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

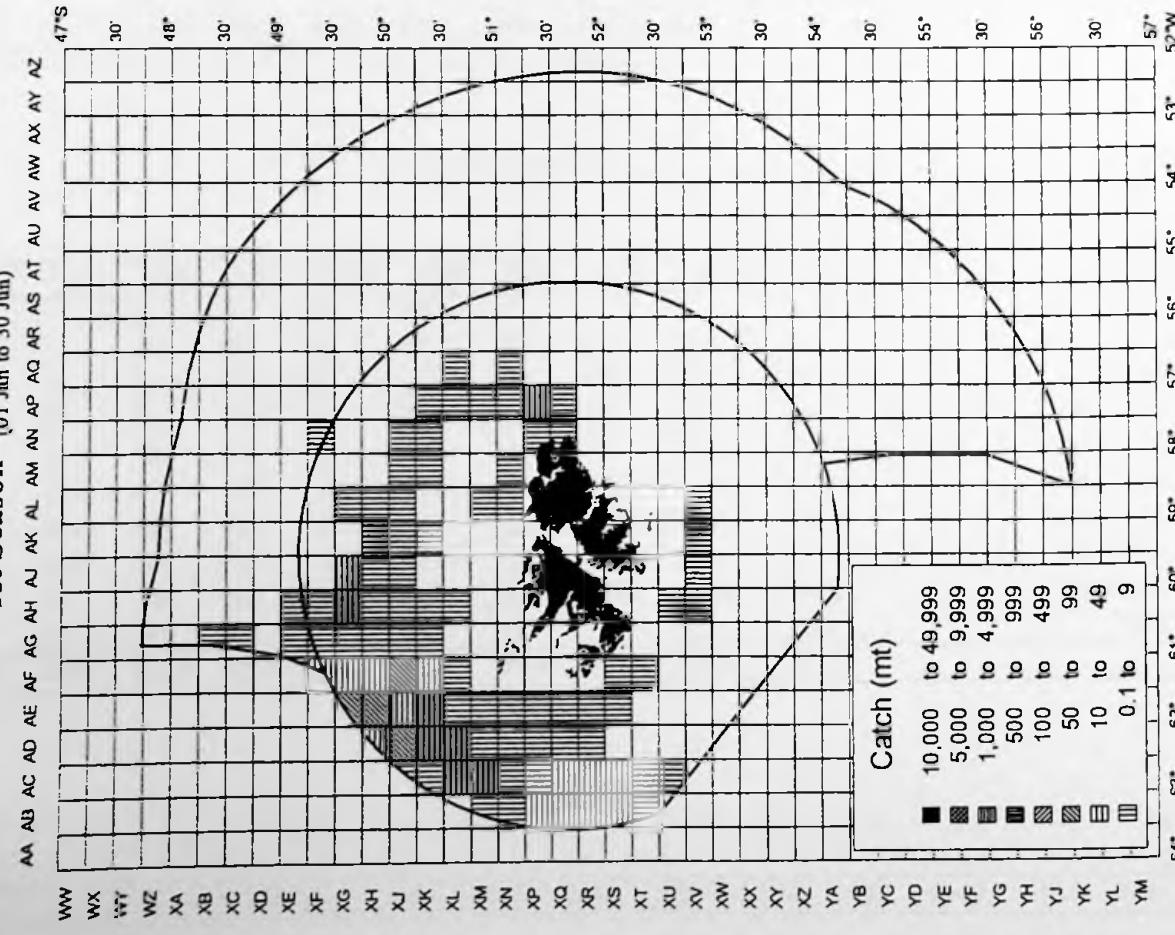
Table J.5 Total catch (tonnes) by length overall (m) (LOA) and year

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	11	1047	614	66	104	52	14		1	74
45-49	1085	325	287	294	90	159	231	145	51	268
50-54	1047	982	735	686	770	340	367	273	524	188
55-59	682	408	574	271	191	67	251	259	328	558
60-64	2304	812	384	602	272	217	371	203	287	400
65-69	2033	2726	621	296	127	121	241	185	130	1355
70-79	5394	4504	2664	1499	1231	349	349	442	154	548
80-89	2470	822	667	330	162	55	88	53	16	58
>89	1460	275	212	28	83	55	77	90	64	46
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

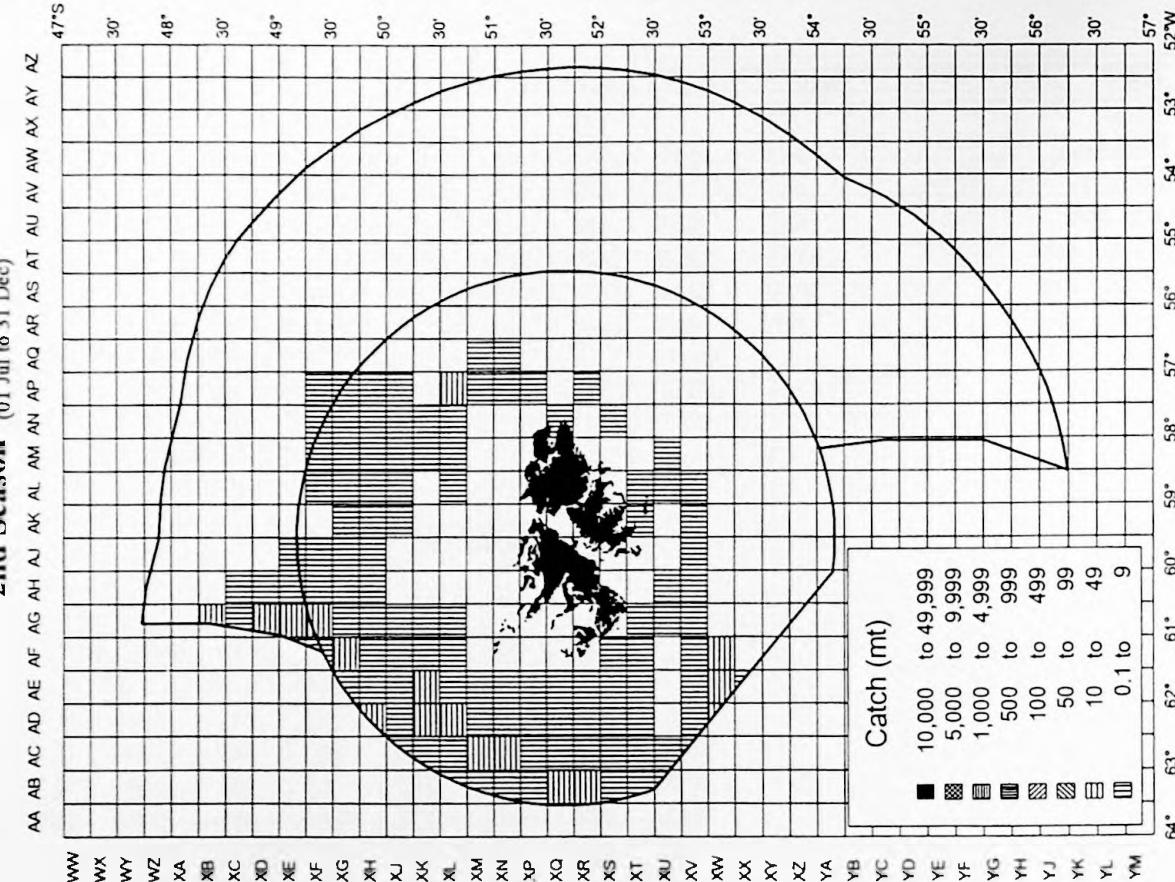
Table J.6 Total catch (tonnes) by brake horsepower (BHP) and year

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	94
1400-1599	978	477	329	86	192	79	198	69	95	352
1600-1799	747	819	31	41	3	25	56	89	91	321
1800-1999	2940	1045	478	713	433	400	434	378	491	1002
2000-2499	3587	5466	2049	1628	862	374	686	529	416	1231
2500-2999	2762	1429	603	523	734	182	255	162	255	77
3000-3999	2934	1001	1493	296	514	173	202	263	86	349
>3999	1642	439	725	347	123	83	79	97	73	69
	16485	11900	6759	4070	3029	1414	1988	1649	1554	3494

1st Season (01 Jun to 30 Jun)



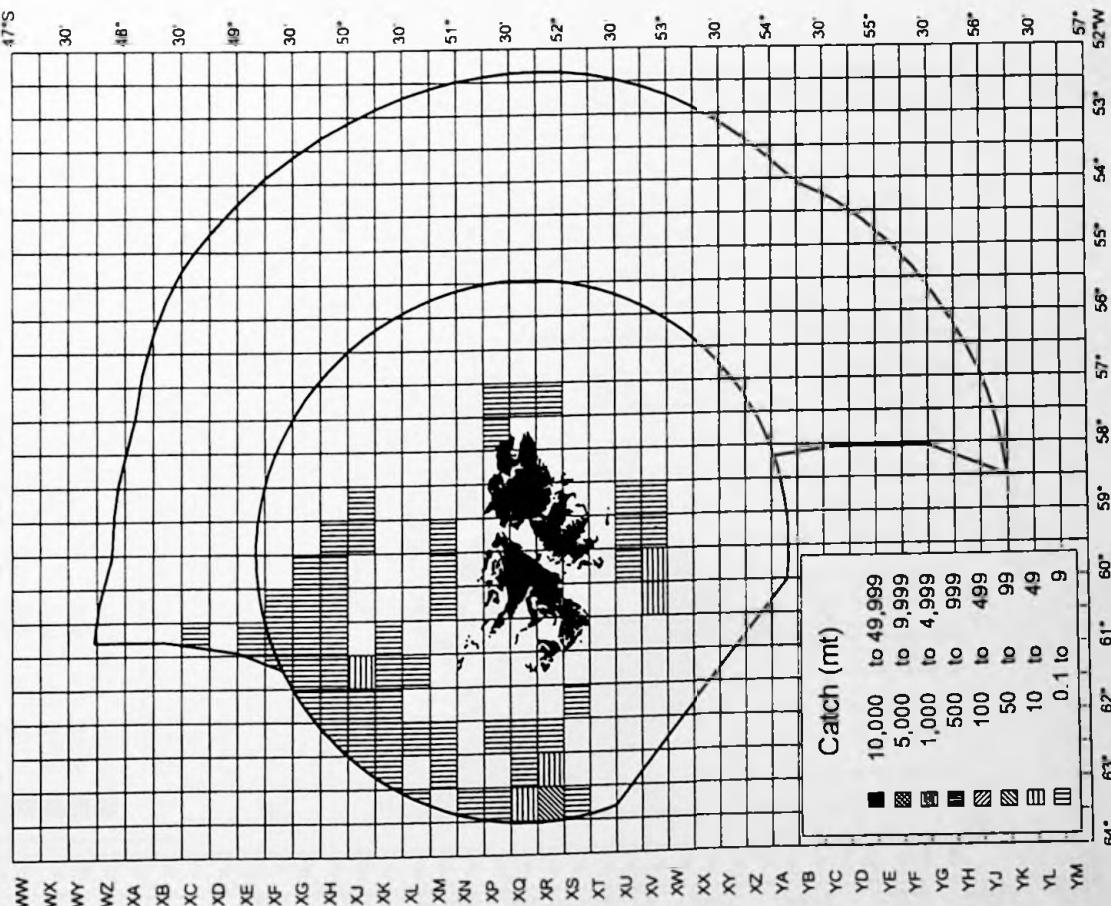
2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

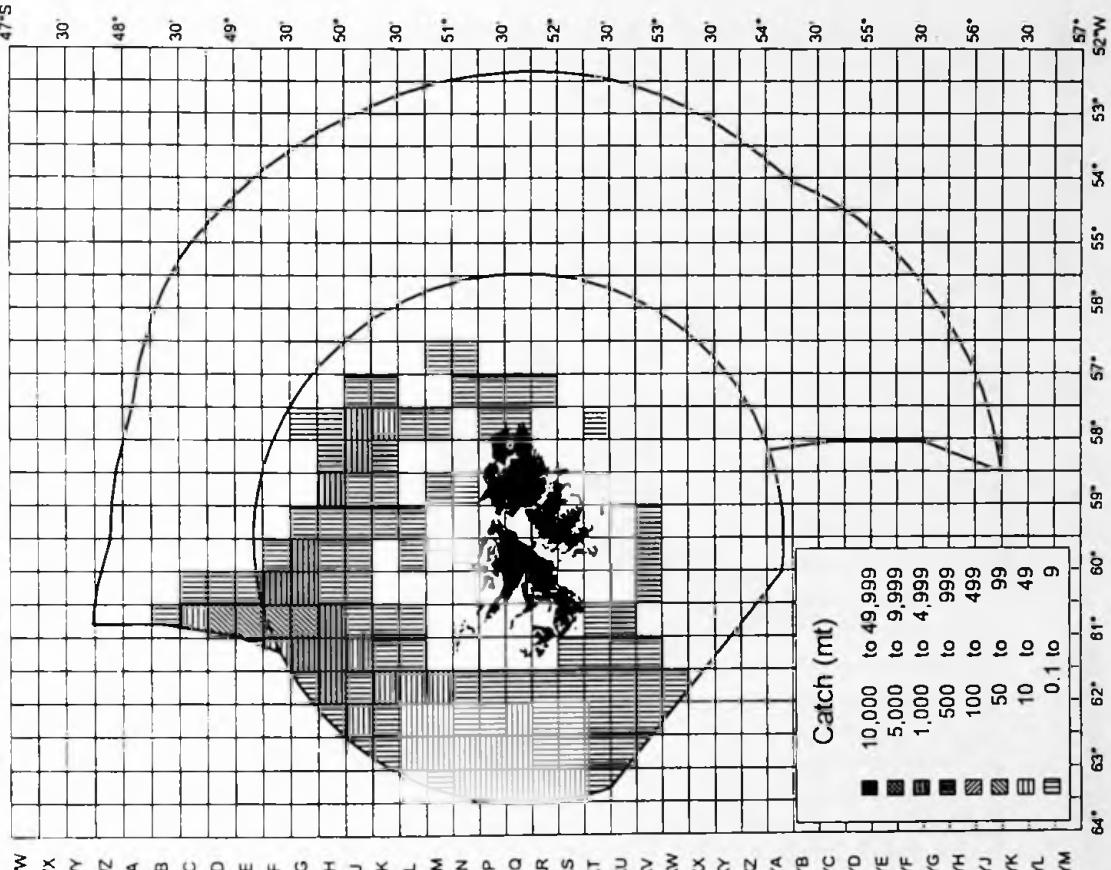
1st Season (01 Jan to 30 Jun)

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

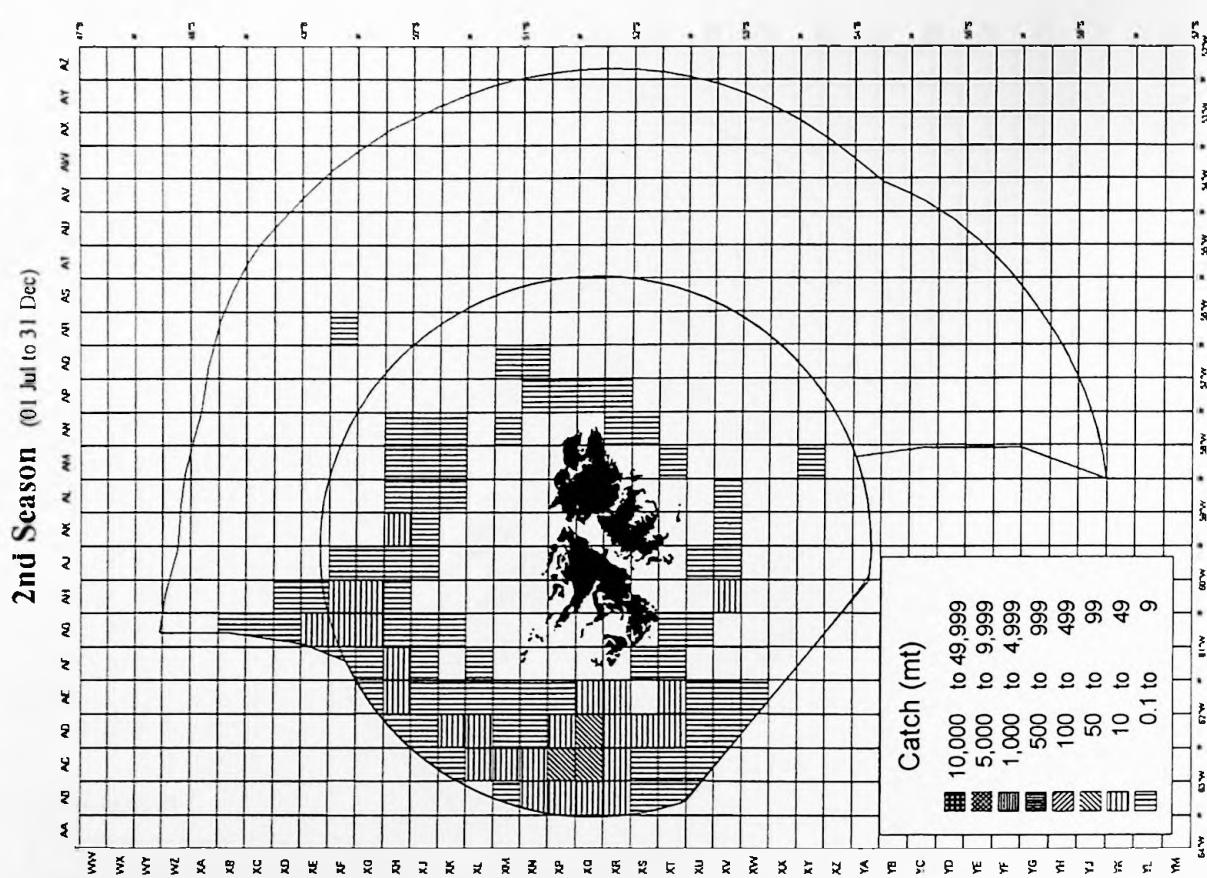
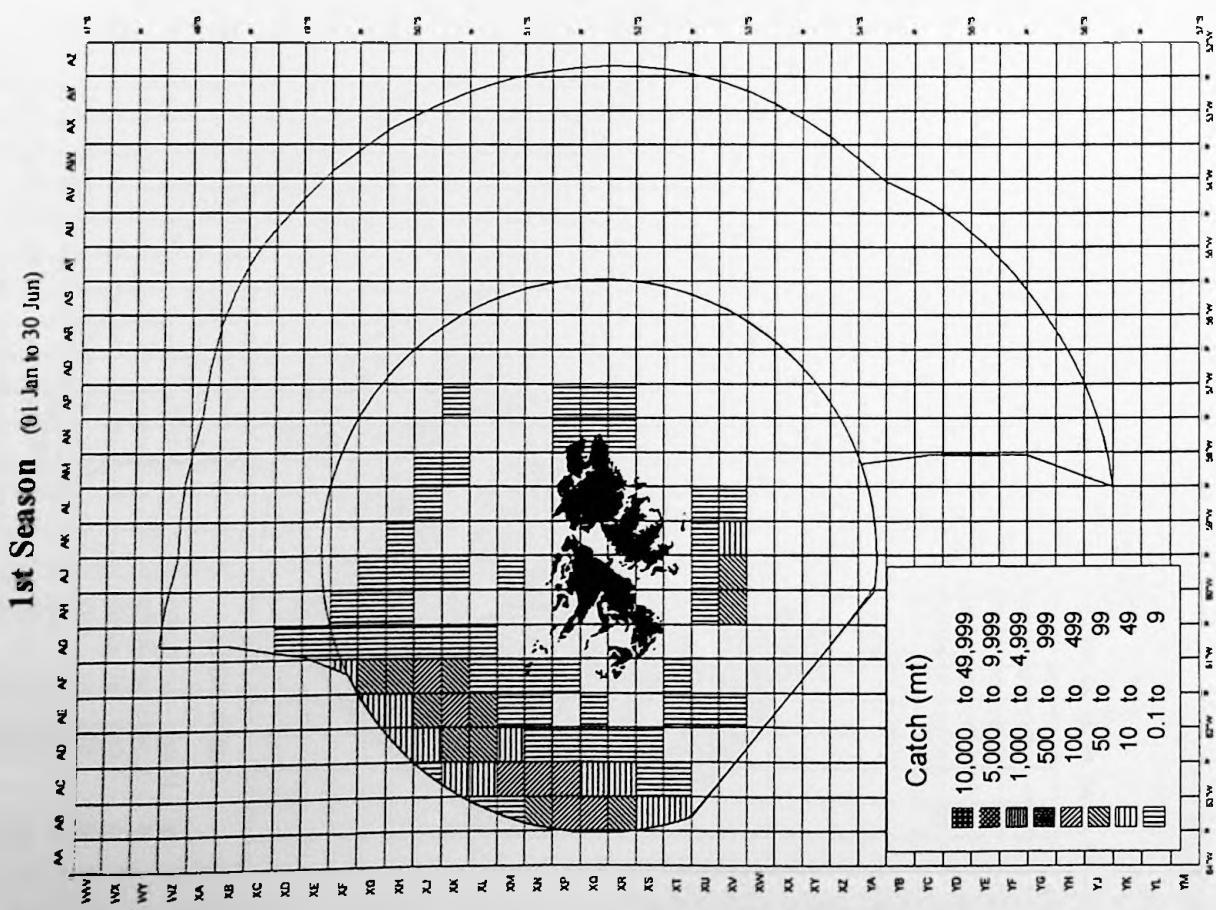


2nd Season (01 Jul to 31 Dec)

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



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	16
LO					3	2	15	46	315	92
TR	1743	1471	6467	7063	8509	4148	4029	3145	2922	977
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

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	40
February	16	29	71	129	131	277	15	13	80	46
March	0	89	91	147	57	65	43	86	39	80
April	14	73	55	53	58	85	38	53	22	74
May	18	59	13	8	102	63	261	15	18	96
June	4	34	3	7	23	308	399	182		22
July	106	85	274	17	1085	864	1007	320	423	48
August	506	349	1229	3520	2012	1327	1720	1103	1470	121
September	666	457	1558	2218	1962	833	904	654	902	314
October	414	270	1446	1089	1700	304	767	597	267	138
November	4	39	1543	826	1079	158	160	227	72	78
December	1	14	631	17	250	213	107	133	14	19
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

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								0	0
CL	2			3	19	16	9			
ES	695	791	1070	1223	838	469	397	226	246	454
FK	6	0	5	32	98	63	117	184	204	215
FR					20	5	9	3	1	
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	11
KR	963	672	2484	4122	4417	3665	4101	2124	2797	368
NA								3	14	
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	8
AU										3
UY										0
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

Rajidae - Skates and rays

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

GRT	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<400	117		3861	2825	2157	1556	962	847	386	81
400-599	43	734	284	711	855	446	742	99	193	21
600-799	12	13	23	360	1359	106	597	394	361	78
800-999	947	81	1516	2833	2605	2243	1680	1414	1374	112
1000-1499	280	349	957	816	469	610	1238	540	864	623
1500-1999	213	260	131	475	183	102	158	120	80	60
2000-2999	110	42	151	88	895	479	51	53	58	89
>2999	28	20	0		1		5	8	2	11
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

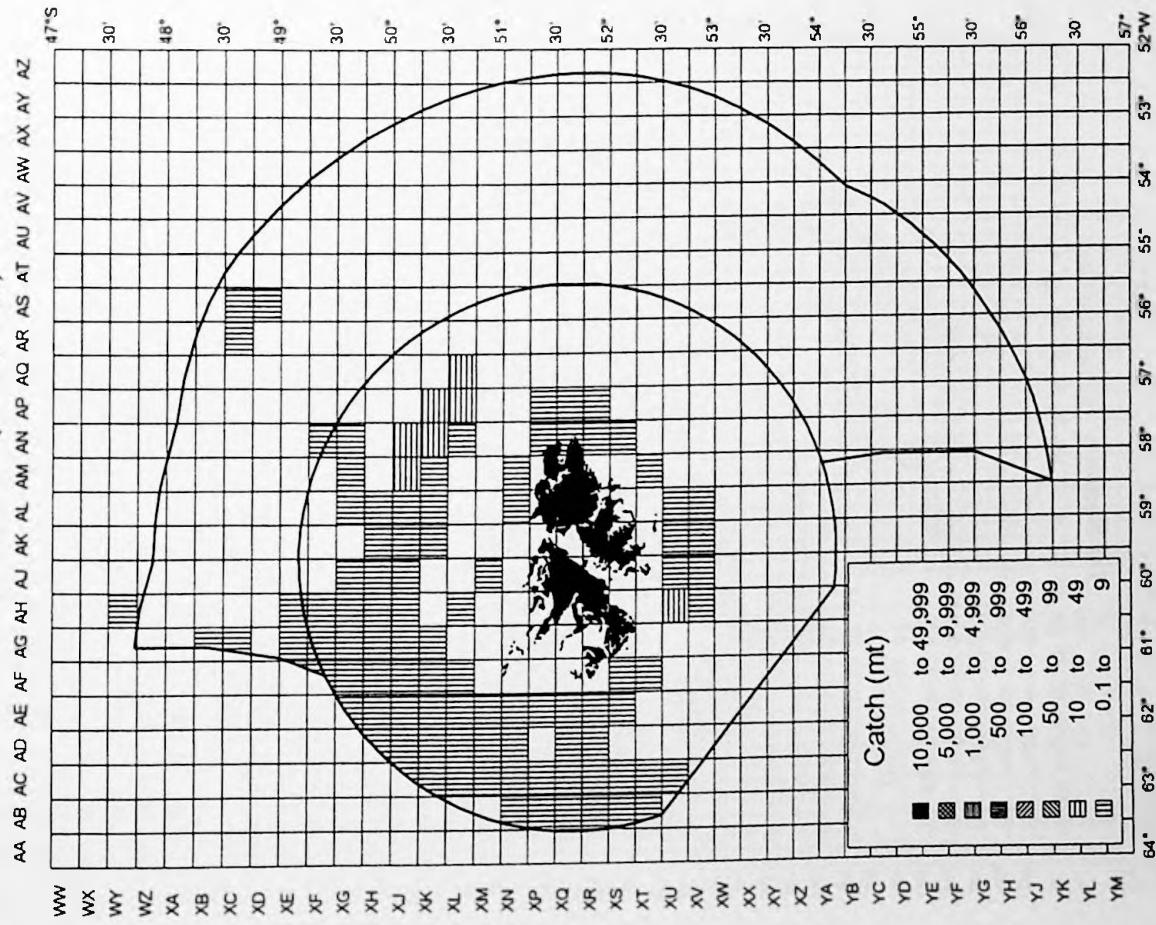
Table K.5 Total catch (tonnes) by length overall (m) (LOA) and year

LOA	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<45	1	27	83	50	72	16	4	275	43	24
45-49	22	44	109	276	188	105	87	24	25	78
50-54	213	812	3382	5045	4830	2851	3670	2283	2352	173
55-59	929	41	2638	1583	1827	1445	614	296	247	127
60-64	139	39	87	556	333	437	802	373	463	349
65-69	118	280	163	192	63	44	76	45	49	156
70-79	185	206	406	323	382	201	161	149	112	110
80-89	104	46	42	80	819	432	5	16	23	47
>89	39	4	12	1	8	12	14	15	7	11
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

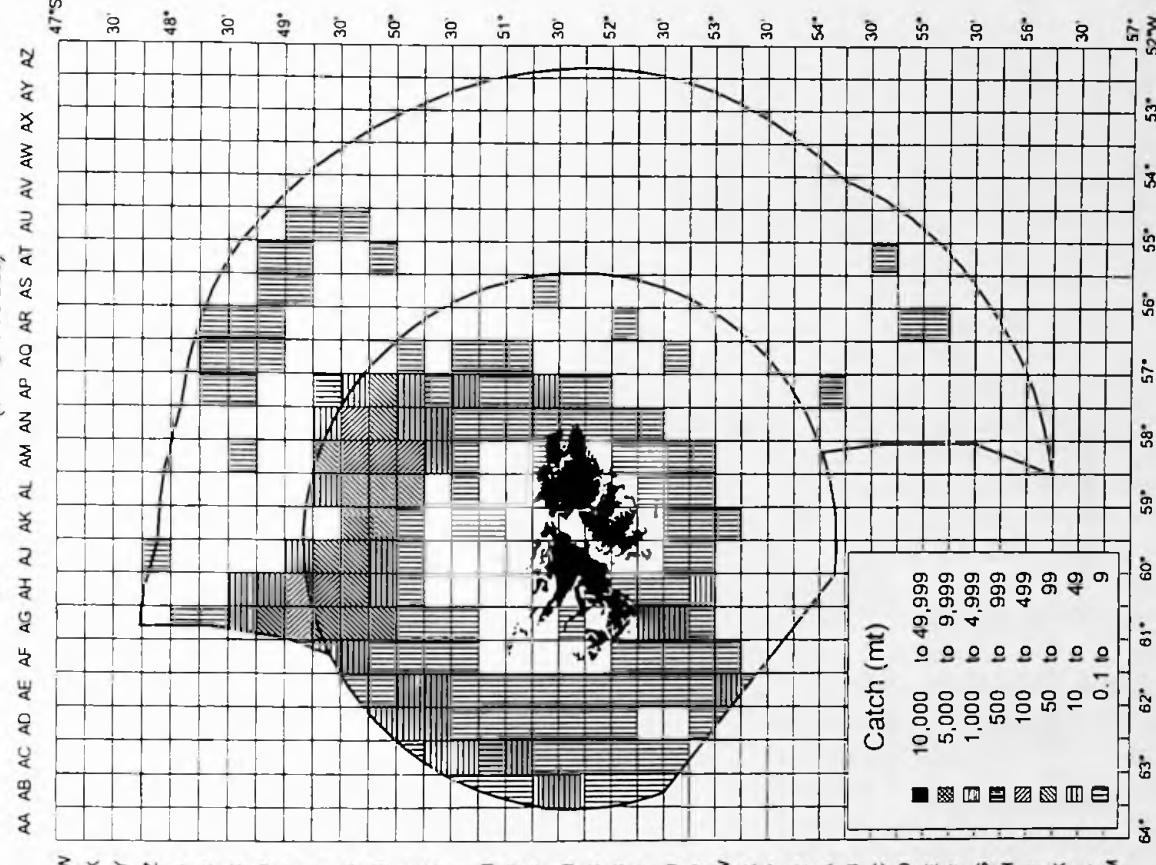
Table K.6 Total catch (tonnes) by brake horsepower (BHP) and year

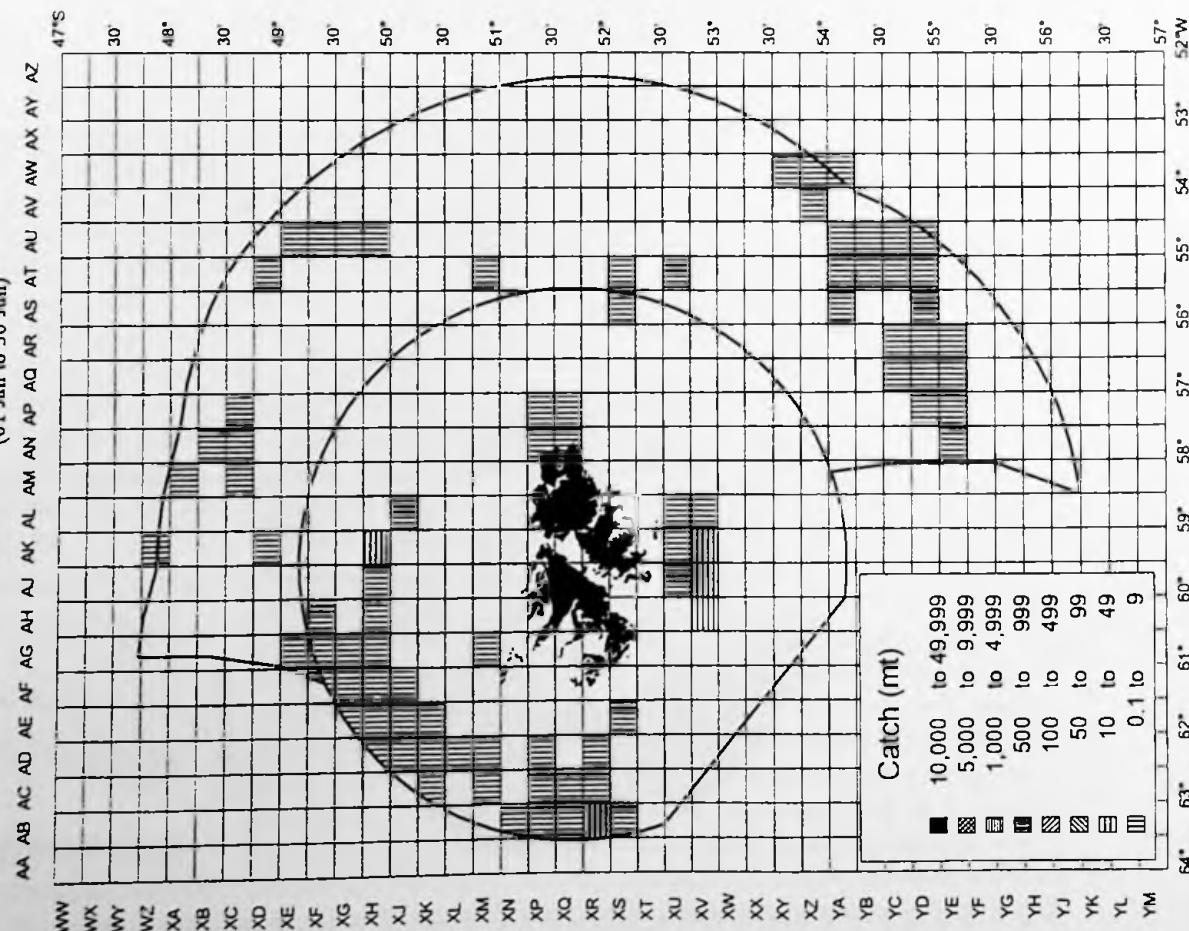
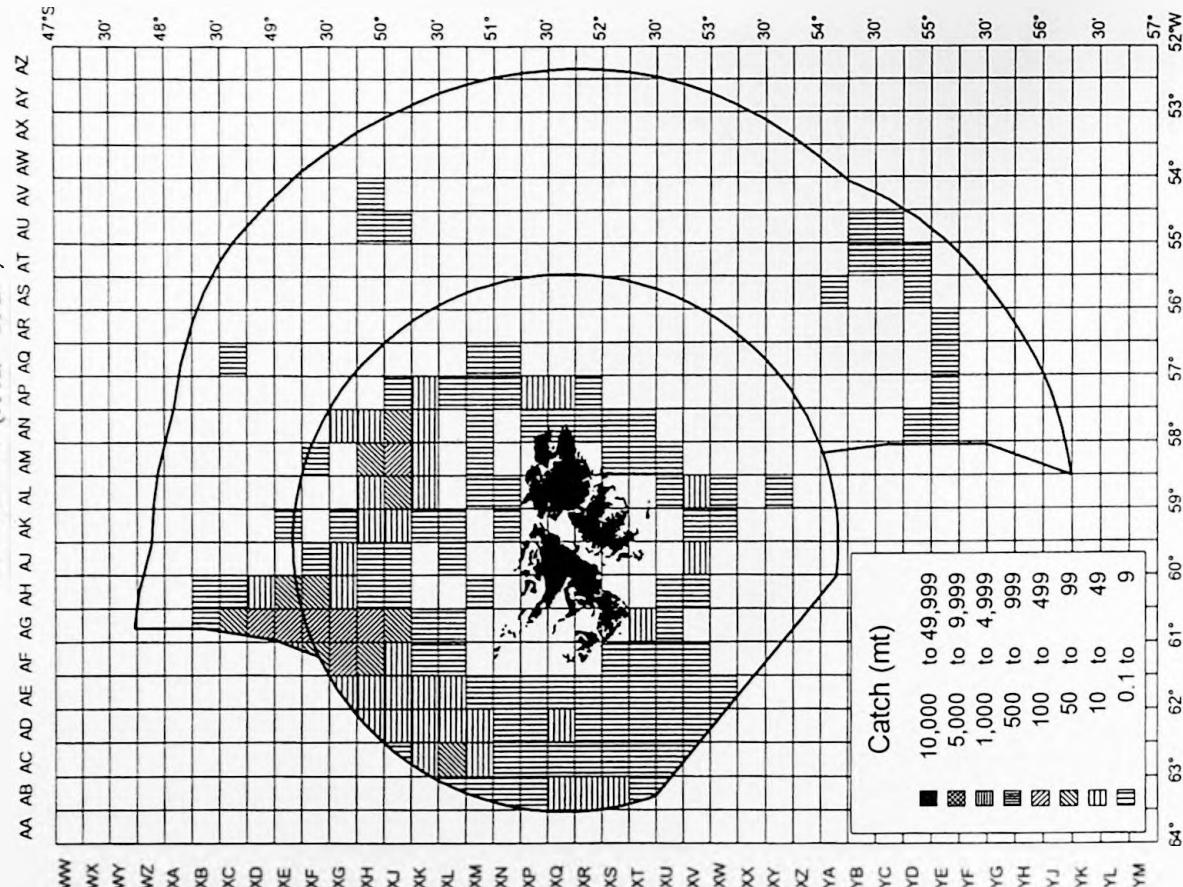
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					29	3	3	273	31	
1000-1199	2	14	29	139	77	32	21	5	9	
1200-1399	95	89	118	204	104	6	44	22	21	40
1400-1599	21	103	155	66	163	26	125	57	31	78
1600-1799	13	76	39	50	12	33	38	35	96	150
1800-1999	171	172	325	379	256	255	149	128	194	277
2000-2499	366	892	2627	4529	3266	1834	2544	1006	1573	120
2500-2999	898	80	3448	2634	3715	2855	2433	1868	1284	303
3000-3999	114	40	131	33	874	474	59	60	56	68
>3999	68	34	50	75	29	25	16	20	26	39
	1749	1500	6923	8108	8523	5542	5432	3475	3320	1075

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



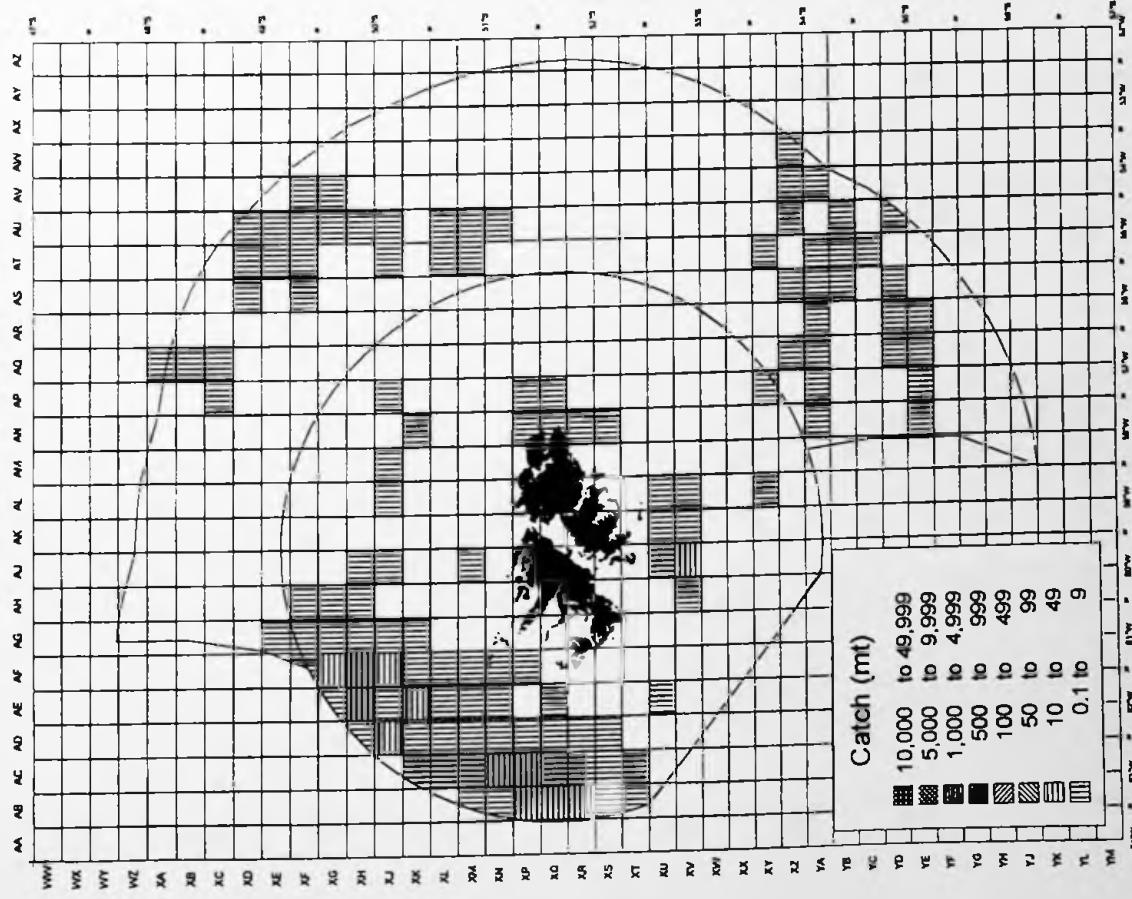
1st Season (01 Jan to 30 Jun)**2nd Season (01 Jul to 31 Dec)**

1998

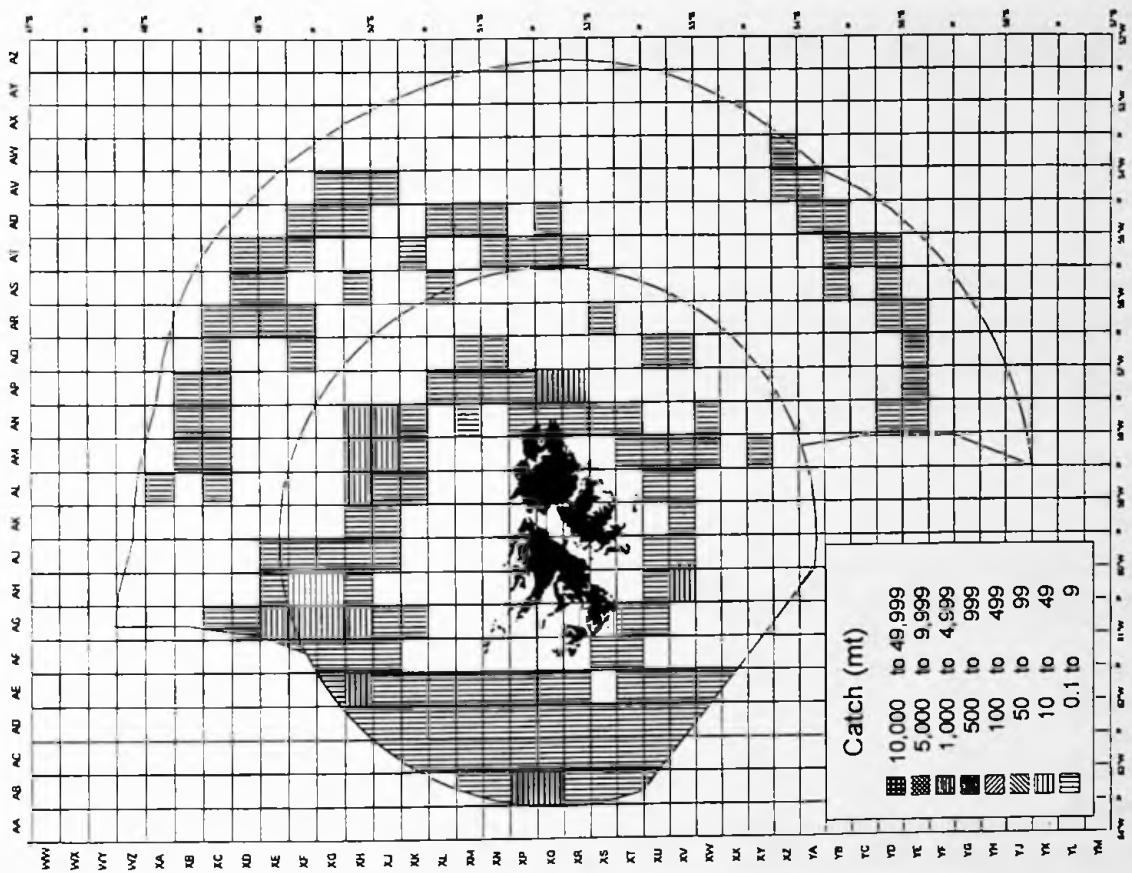
Rajidae

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

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	4
LO				120	8	2733	1746	513	1000	1469
TR	229	208	978	767	385	227	301	172	208	626
	236	208	980	912	393	2963	2069	685	1208	2099

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	151
February	0	44	24	77	35	25	183	11	127	110
March	1	3	60	113	15	11	123	14	128	136
April	2	2	33	87	29	218	221	14	98	195
May		10	8	44	40	366	214	4	28	212
June	3	0		0	11	457	92	9		112
July	8	1	22	0	7	435	47	7	9	103
August	40	74	186	145	41	230	181	107	30	238
September	4	42	411	241	50	198	212	137	117	242
October	1	21	108	53	71	295	148	136	300	207
November	81	4	108	113	48	397	190	107	33	266
December	96	7	18	9	14	274	142	116	134	127
	236	208	980	912	394	2963	2069	685	1208	2099

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	354
FK				0	11	18	34	50	178	570
FR						0	1	3	0	3
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	3
KR			3	90	54	31	488	386	644	1116
NA									2	21
NO		2						29	148	
PA			4	22	7	3	9			
PL				0						
PT	1	0	3	1			8	0		1
SC					8	2	0			
SL										
UK	3		1		2	1	1	1	12	18
AU										15
	236	208	980	912	393	2963	2069	685	1208	2099

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	1100
400-599		26	144	243	58	2424	1185	137	114	34
600-799		6	43	123	32	343	174	27	22	47
800-999	0	32	146	165	40	42	82	24	142	447
1000-1499	4	72	493	174	113	121	92	58	116	287
1500-1999	3	66	48	114	50	9	52	22	36	73
2000-2999	185	3	103	40	57	18	28	29	11	108
>2999	45	2	0	0	2	0	0	1	0	3
	236	208	980	912	393	2963	2069	685	1208	2099

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	387
45-49		36	95	246	42	1815	984	12	7	75
50-54	0	27	105	167	103	53	870	395	658	1147
55-59		4	23	90	29	21	59	28	36	94
60-64	0		46	133	48	34	53	29	53	76
65-69	0	70	312	76	6	4	40	8	20	132
70-79	7	67	220	78	125	69	50	48	48	143
80-89	184	3	5	36	17	8	3	1	4	40
>89	45	2	12	1	5	1	2	1	0	5
	236	208	980	912	393	2963	2069	685	1208	2099

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	50	
1400-1599	24	93	80	43	25	473	361	9	63	
1600-1799		155	56	8	13	25	12	632	1141	
1800-1999	0	30	209	169	67	95	74	34	79	183
2000-2499	6	99	168	145	81	334	209	38	169	505
2500-2999	4	1	12	73	91	46	66	32	24	28
3000-3999	188	11	87	32	44	16	28	30	22	107
>3999	38	2	17	37	16	2	3	2	2	21
	236	208	980	912	393	2963	2069	685	1208	2099

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	4
800-999					11		17			
1000-1499			3		13		3			
1500-1999	3	0								
2000-2999	2									
>2999	2									
	7	0	3	24		3	22	1	0	4

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	4
55-59						3	5	0		
70-79	3	0								
80-89	2									
>89	2									
	7	0	3	24		3	22	1	0	4

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	4
2500-2999	3					3	18	0		
3000-3999	2	0								
>3999	2									
	7	0	3	24		3	22	1	0	4

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	1096
400-599				101		2418	1166	130	112	
600-799				3		315	145			
800-999				17				122	374	
				120	8	2733	1746	513	1000	1469

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	374
45-49				98		1778	943			
50-54					8		794	354	618	1096
55-59				19						
					120	8	2733	1746	513	1000
										1469

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	1096
2000-2499						315	145		122	374
					120	8	2733	1746	513	1000
										1469

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	34
600-799		6	43	120	32	28	29	27	22	47
800-999	0	32	146	140	40	42	65	27	20	73
1000-1499	4	72	490	161	113	121	88	58	116	287
1500-1999		66	48	114	50	9	52	22	36	73
2000-3999	183	3	103	40	57	18	28	29	11	108
>3999	42	2	0	0	2	0	0	1	0	3
	229	208	978	767	385	227	301	172	208	626

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	13
45-49		36	95	148	42	37	40	12	7	75
50-54	0	27	102	143	95	53	58	41	40	48
55-59		4	23	71	29	18	54	28	36	94
60-64	0		46	133	48	34	53	29	53	76
65-69	0	70	312	76	6	4	40	12	20	132
70-79	4	67	220	78	125	69	50	48	48	143
80-89	183	3	5	36	17	8	3	1	4	40
>89	42	2	12	1	5	1	2	1	0	5
	229	208	978	767	385	227	301	172	208	626

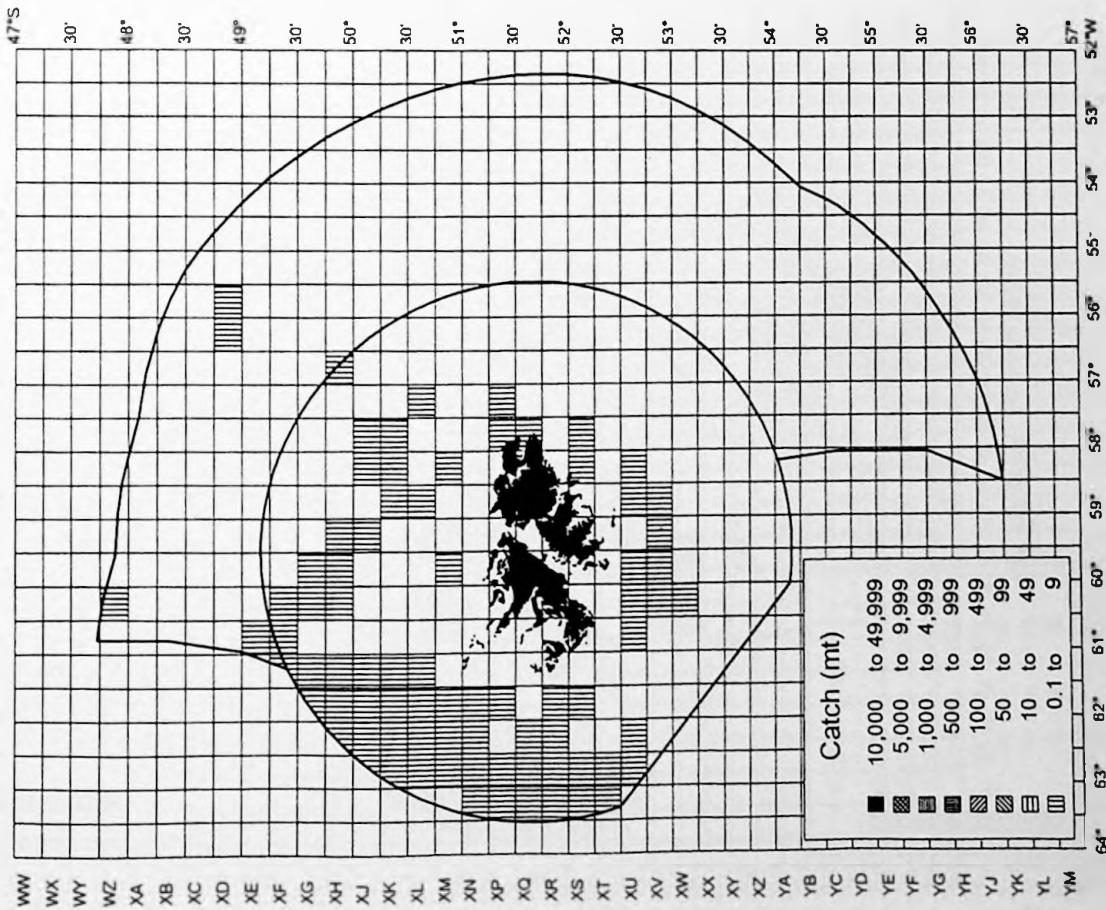
Table L.15 Total catch (tonnes) of trawlers by brake horsepower (BHP) and year

BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					2	1				
'000-1199		0	55	78	10	5	11	1		
200-1399		41	184	137	29	5	13	17	12	50
1400-1599		24	93	64	43	25	39	7	9	63
1600-1799			155	56	1	13	25	12	14	45
1800-1999	0	30	209	169	67	95	74	34	79	183
2000-2499	6	99	166	121	81	19	60	38	47	128
2500-2999	1	1	12	73	91	43	49	31	24	28
3000-3999	186	11	87	32	44	16	28	30	22	107
>3999	36	2	17	37	16	2	3	2	2	21
	229	208	978	767	385	227	301	172	208	626

Catch (mt) by grid square

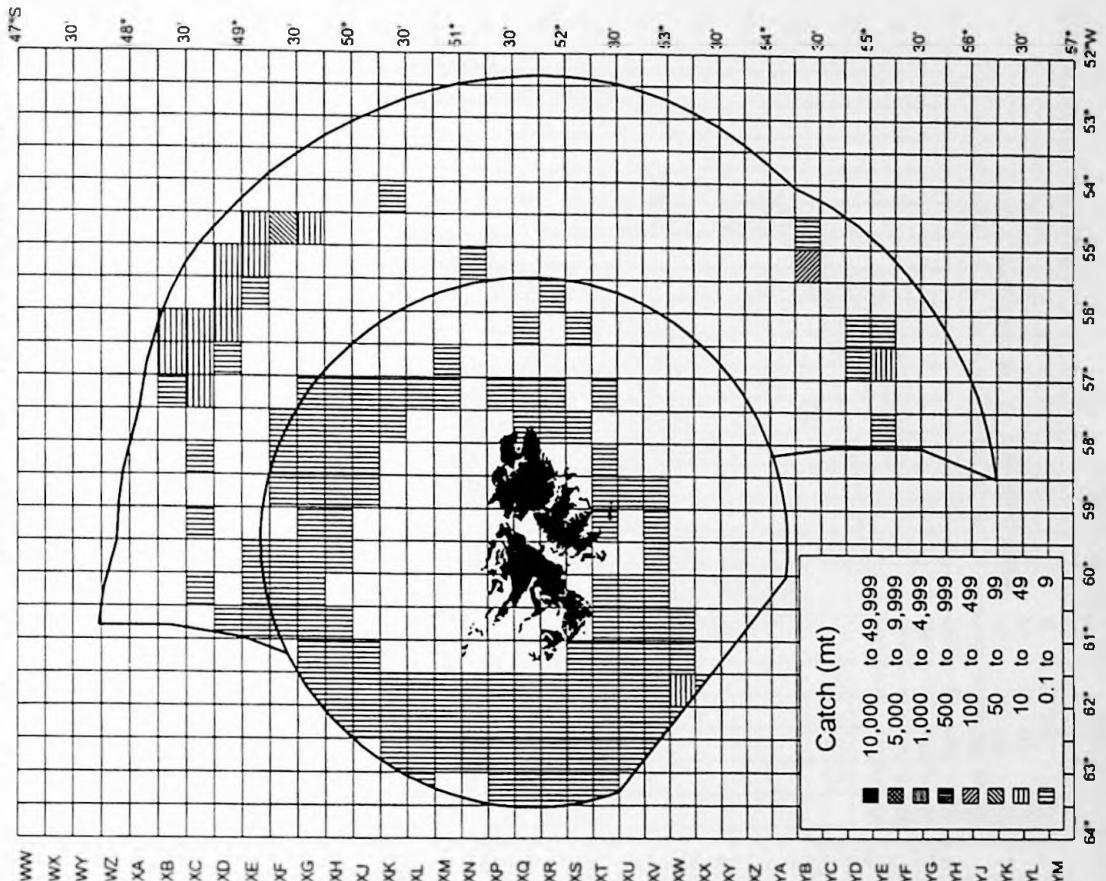
1st Season (01 Jan to 30 Jun)

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2nd Season (01 Jul to 31 Dec)

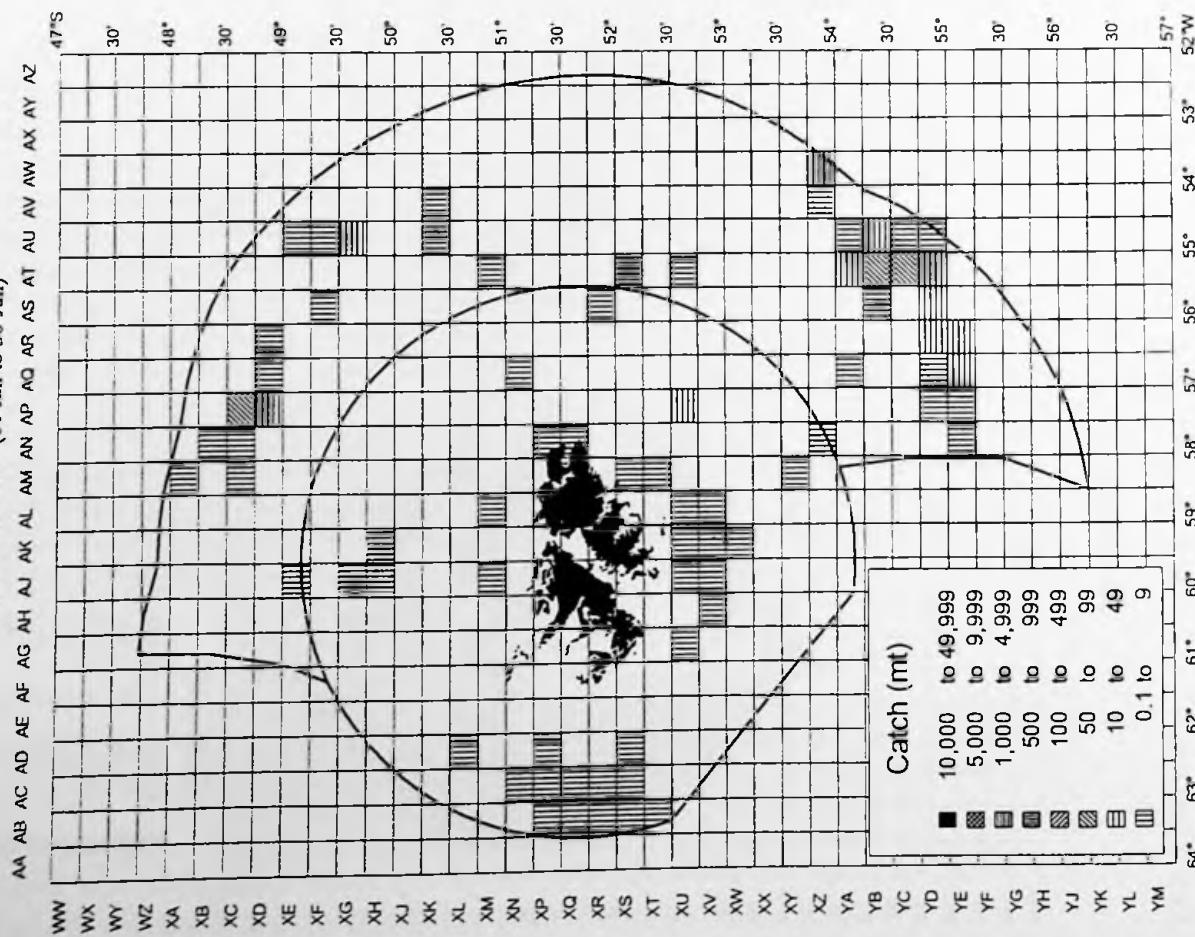
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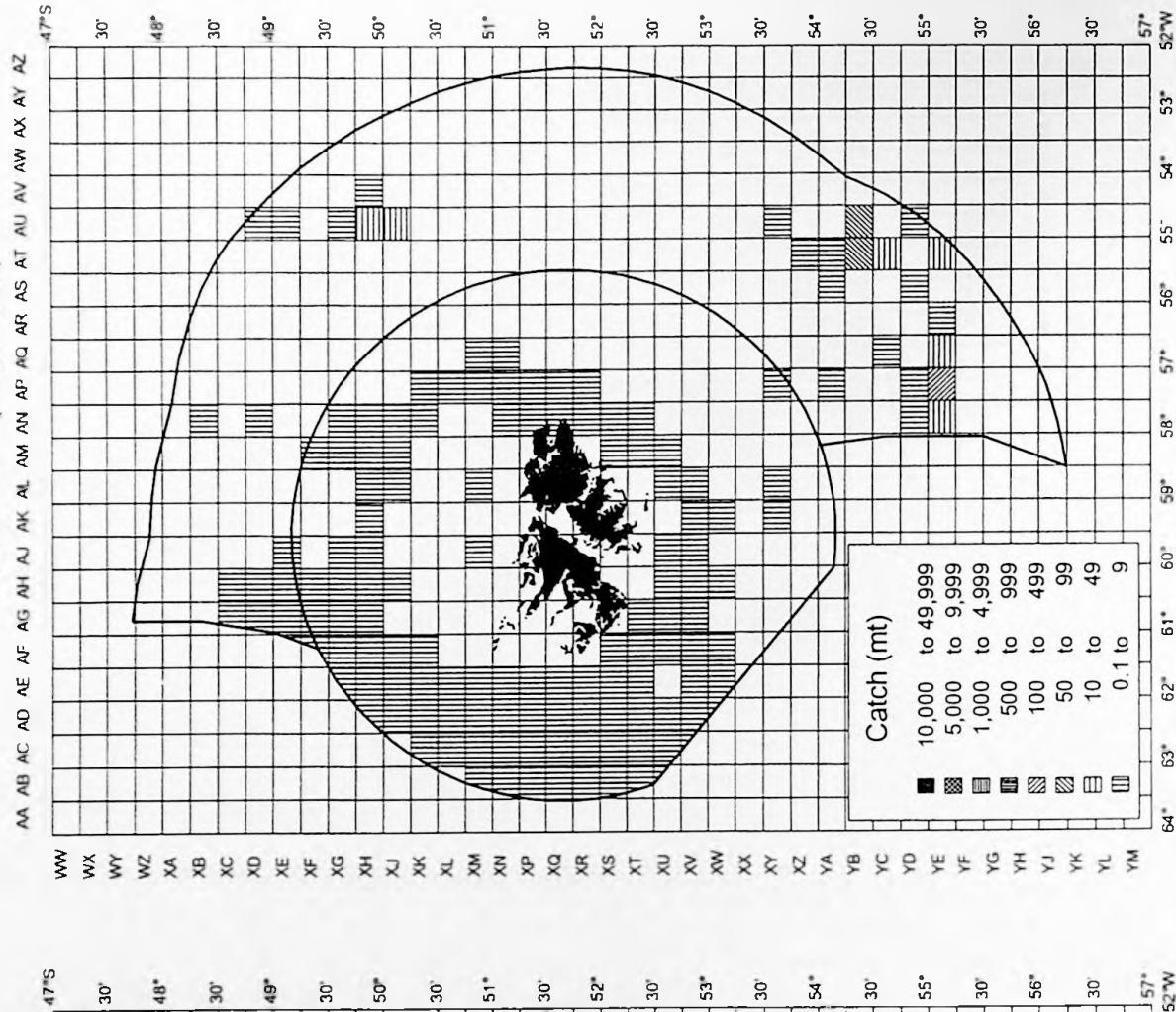
1997 *Dissostichus eleginoides*

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)

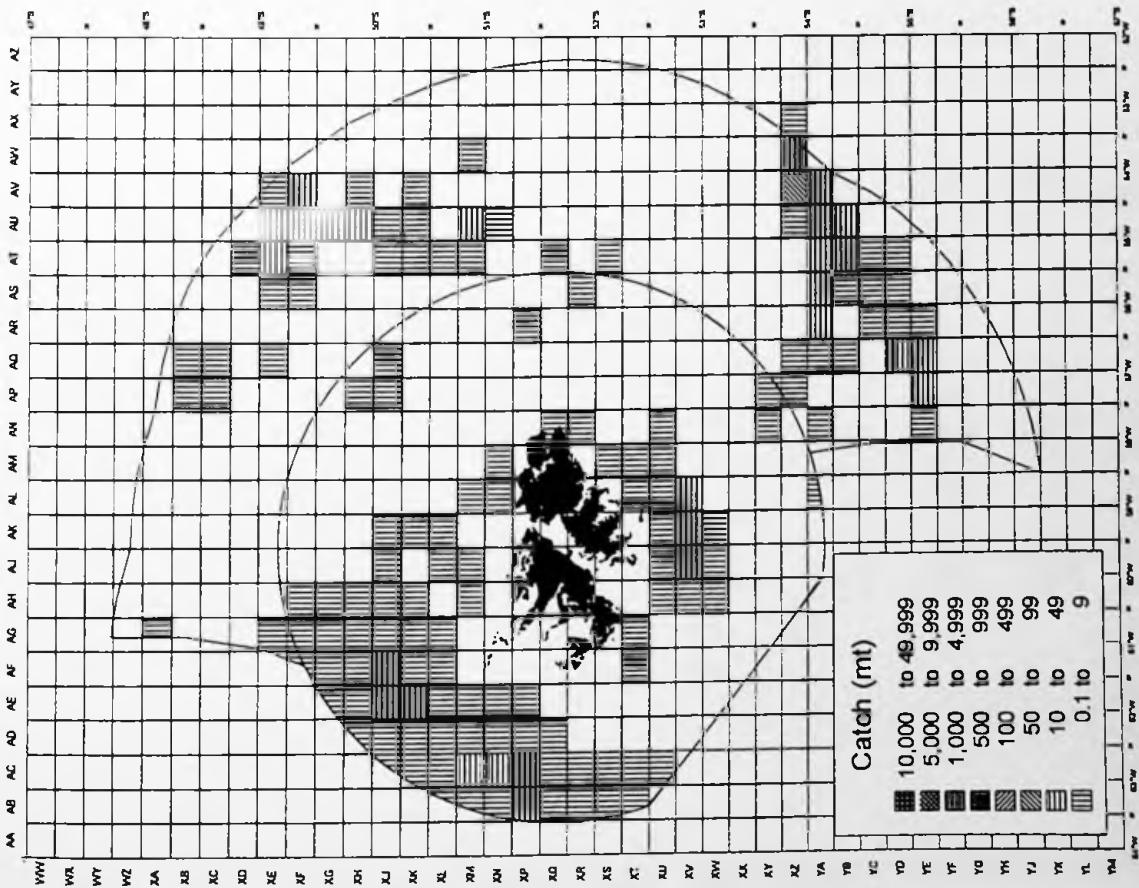


1998

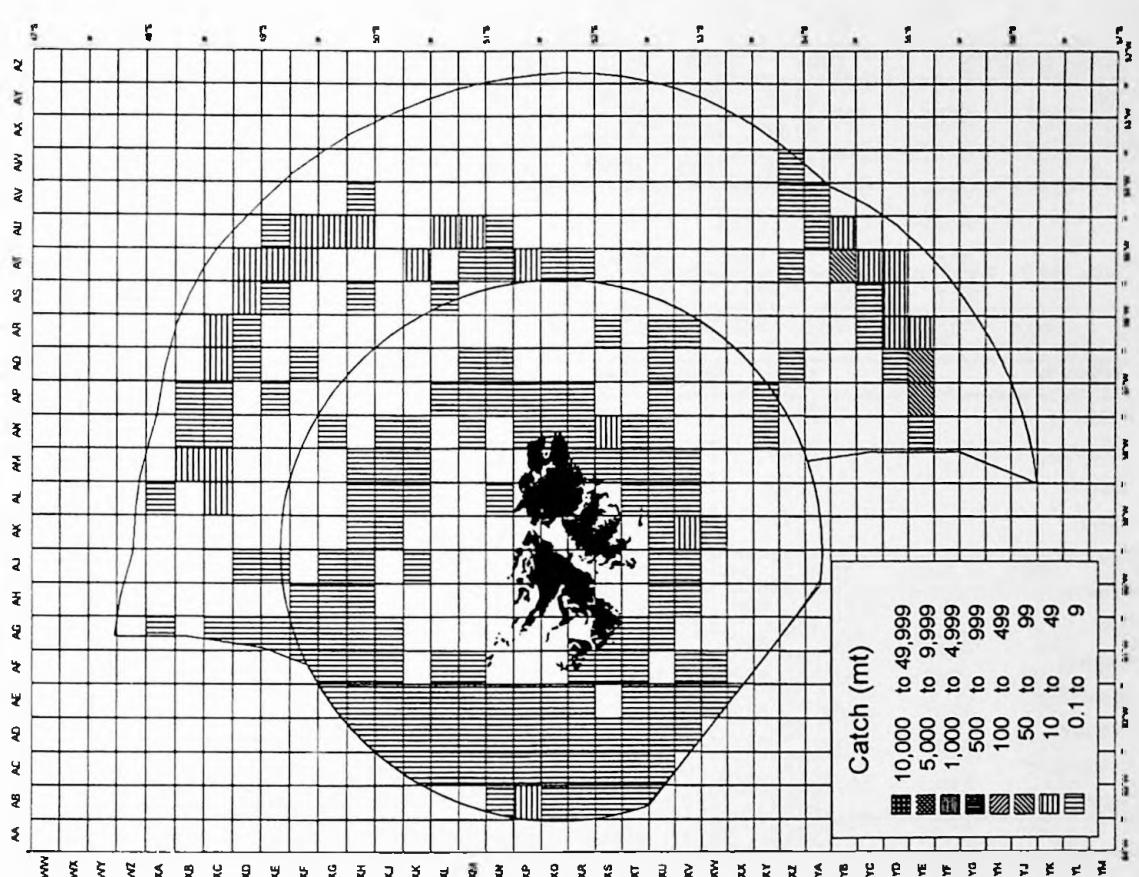
Dissostichus eleginoides

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
CO	8145	3900	1088	1847	1	329	783	32	256	153
TR	5168	3653	3411	12341	8505	9735	14820	13786	12751	22073
	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226

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

MONTH	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
January	2370		196	178	120	536	87	174	218	1219
February	2626	242	225	380	166	566	329	376	476	1432
March	155	1784	631	595	672	582	1993	3527	590	2711
April	75	2239	661	1297	707	384	2102	2089	421	3808
May	131	417	21	128	309	716	1964	735	155	4488
June	17	65	52	51	133	820	1108	584		930
July	1866	517	391	77	136	688	1004	698	1004	441
August	457	429	407	760	437	430	1321	1167	1175	1223
September	237	407	370	1364	689	1471	1291	585	1560	1293
October	526	361	627	4664	2193	2554	2028	1871	4956	2807
November	1785	370	746	4618	2445	702	1254	1542	2140	1492
December	3069	720	171	76	499	616	1123	470	313	383
	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226

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

Fishing fleet	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	
BG	1883	913	40	44					1	61	204
CL	1	5			2				1		
ES	425	1782	2973	5080	5608	6737	10655	7787	7439	16093	
FK	0			44	58	98	864	2569	1829	4189	
FR						114	15	30			
GR	73										
HN			57	940	251	797	1068	62			
IS					54	392	329	22		61	
IT					14	409	18	554	544	644	844
JP	1217	288	6	14	409	18	554	544	644	844	
KR	115	87	71	4283	908	1359	1238	1897	2673	658	
NA									98	205	
NL		0									
NO		28									
PA			61	1683	214	191	223	344			
PL	9565	4196	1281	1500	398	48			133		
PT	1	250	9	48	4	80	884	362			
RU						9				35	
SC					498	93	281				
SL			0		169	3	80	86	166	2	
UK	33	4								31	
AU	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226	

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	493	256	153
400-599		208	90	831	938	1159	596	312	92	655
600-799	11	46	62	480	888	1491	881	1538	1582	3520
800-999	52	246	396	3298	626	1121	1840	2017	1683	2859
1000-1499	5039	3813	1963	1421	3098	4027	5182	4158	7213	10808
1500-1999	143	975	492	2512	847	1325	4795	3634	766	1224
2000-2999	6945	1970	1341	1774	1408	561	807	986	711	1958
>2999	1049	295	6	14	409	18	554	678	705	1049
	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226

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	450
45-49	0	249	260	469	486	796	1616	1296	842	3245
50-54	85	221	292	4266	2145	3558	2005	2851	3019	2170
55-59	42	111	79	3237	1078	451	1990	2281	3061	4769
60-64	14	94	230	1453	358	1177	2869	995	1868	3336
65-69	1	168	451	493	767	1469	3049	1443	1394	3372
70-79	5312	4463	2161	2166	2109	1630	3427	3902	2093	3594
80-89	6642	1854	692	1623	653	207	55	362	11	234
>89	1218	384	189	155	626	108	557	688	717	1056
	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226

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	66		
1200-1399		286	120	328	588	70	239	806	734	1969
1400-1599	11	267	276	345	666	948	1433	840	732	3096
1600-1799		0	72	332	8	226	564	730	524	2636
1800-1999		0	517	888	1130	2057	3300	3269	2989	5262
2000-2499	303	560	617	6066	2080	2897	6269	5388	2696	2887
2500-2999	9202	4033	1294	4941	1026	1472	1929	846	1416	509
3000-3999	3073	1569	770	260	1150	623	894	1587	926	1933
>3999	724	318	330	574	669	60	561	554	717	1076
	13313	7553	4499	14188	8506	10064	15603	13817	13008	22226

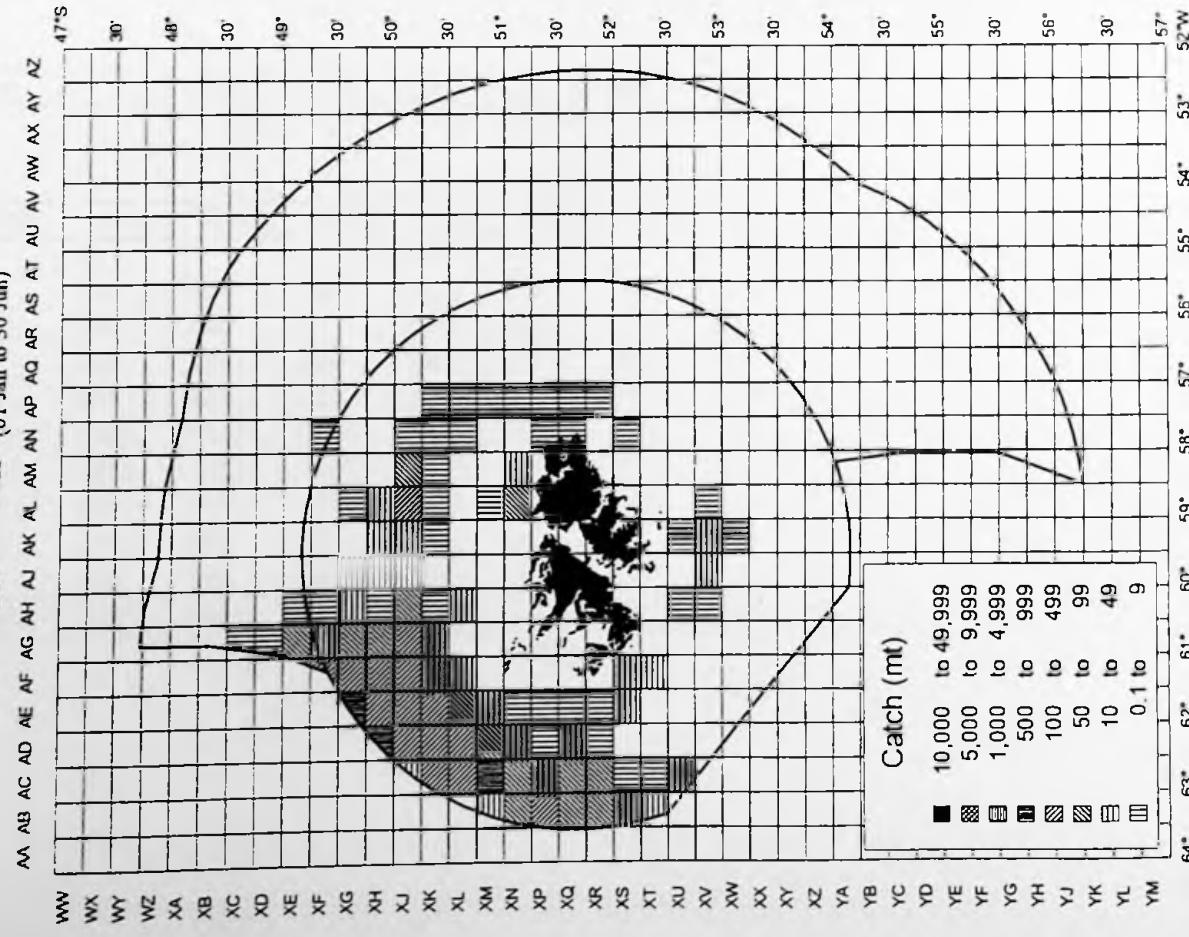
1996

Macruronus magellanicus

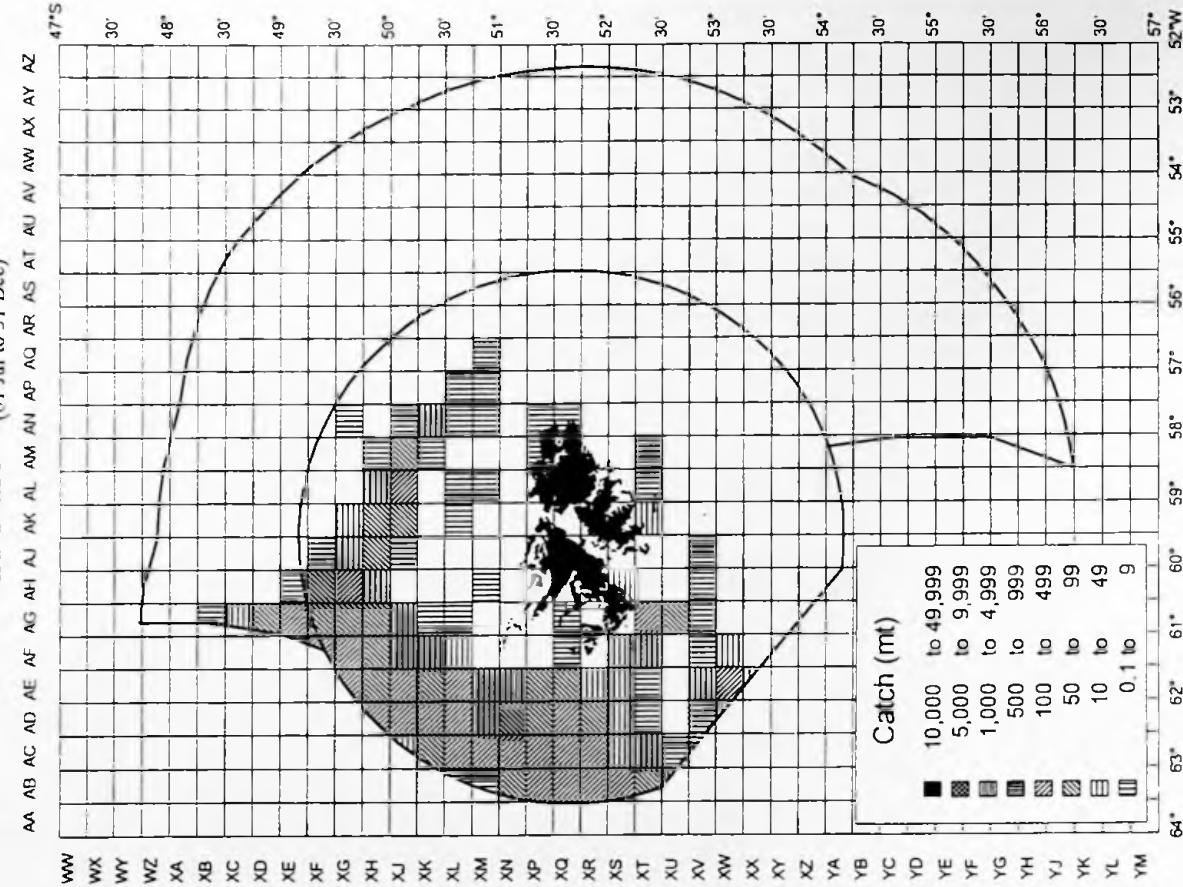
FICZ and FOCZ

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



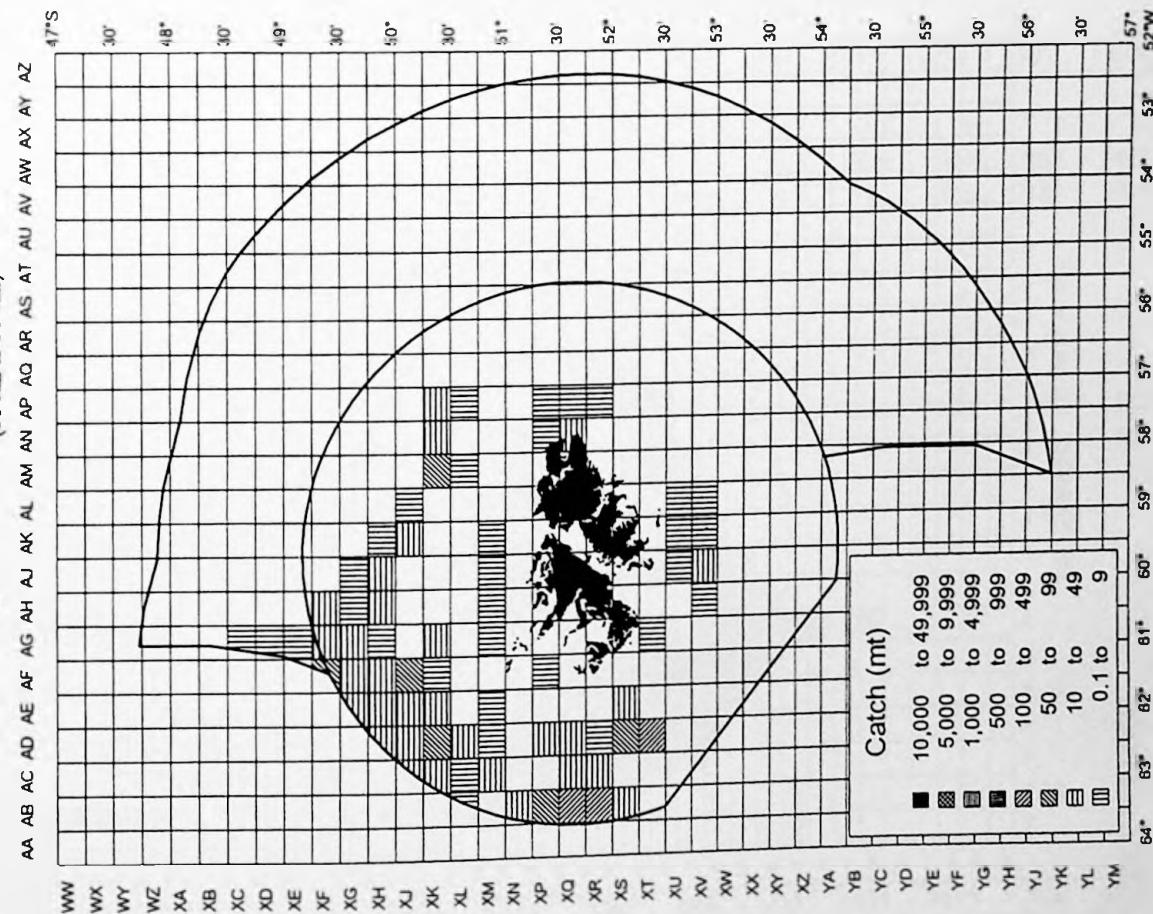
Macruronus magellanicus - Hoki

1997

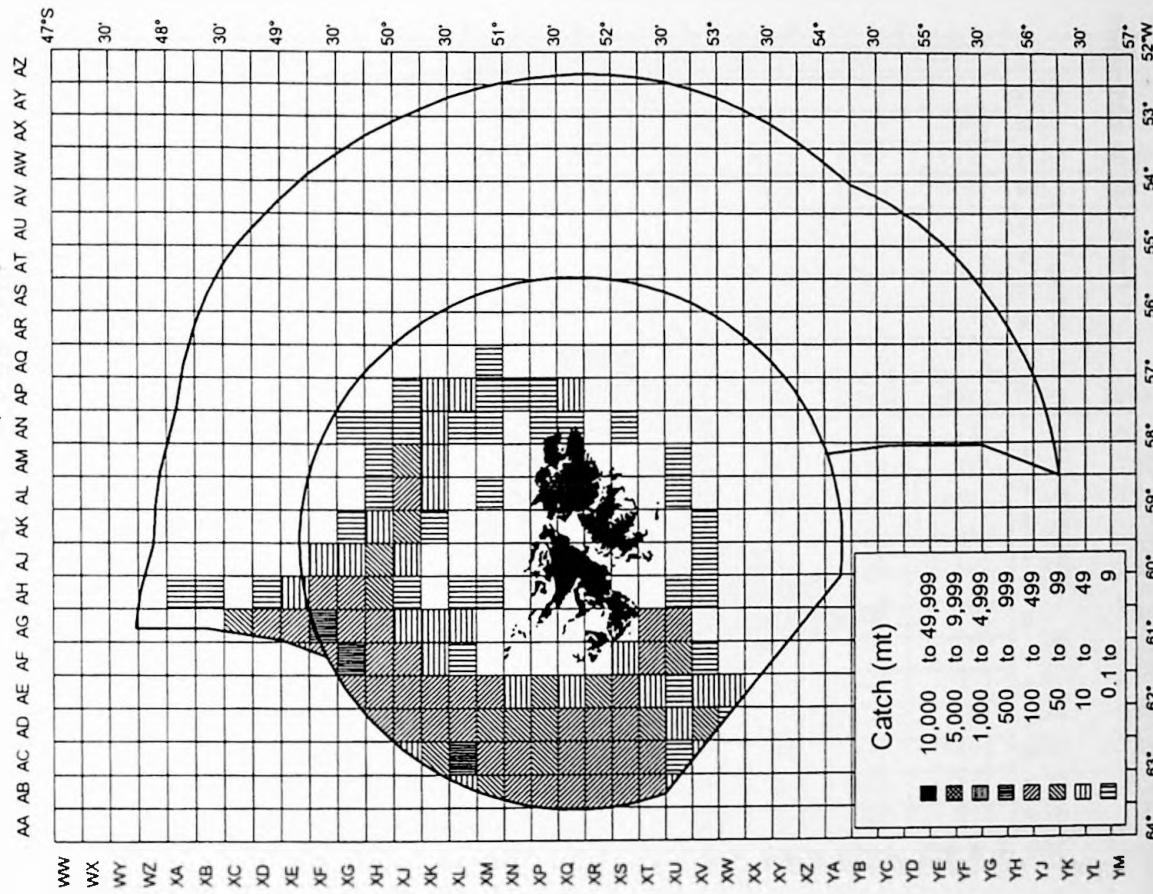
Macruronus magellanicus

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)

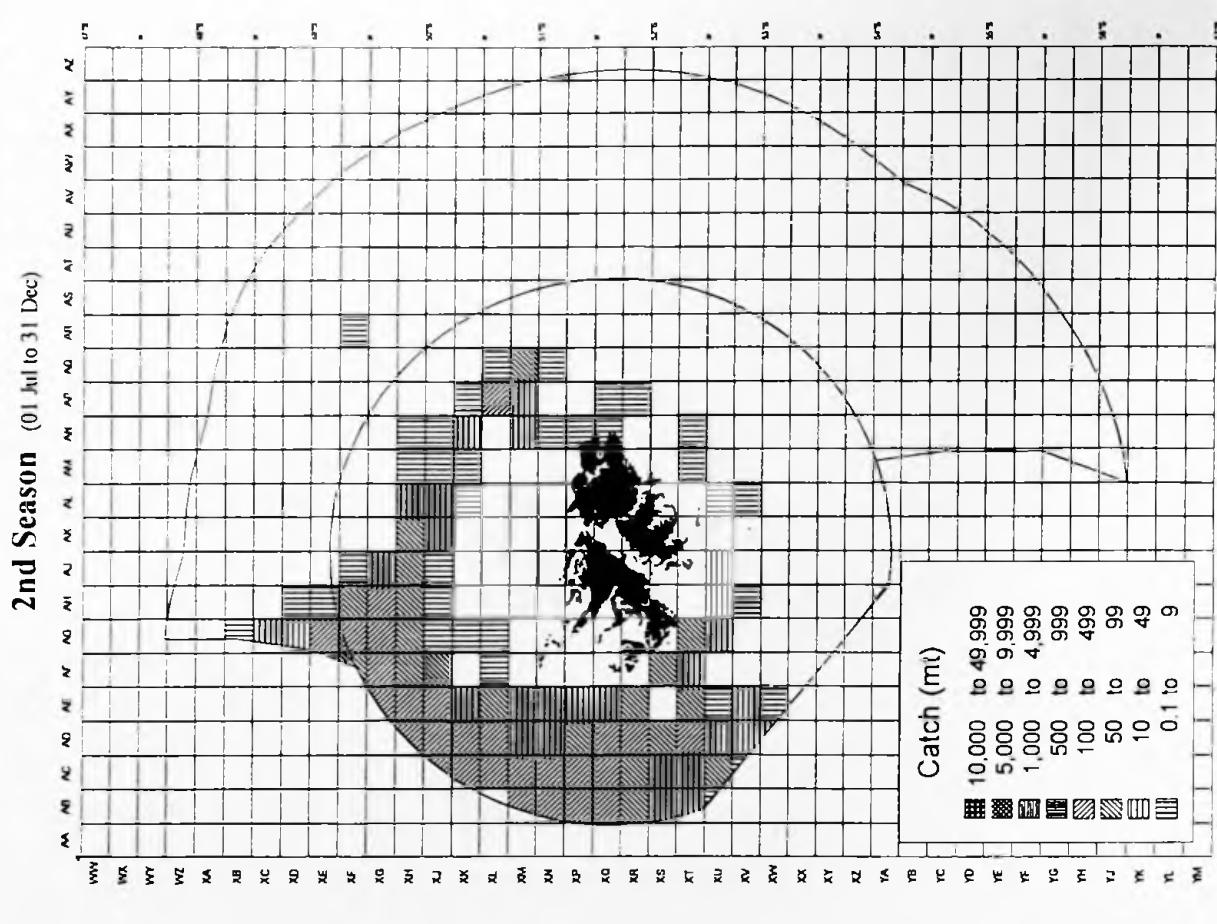
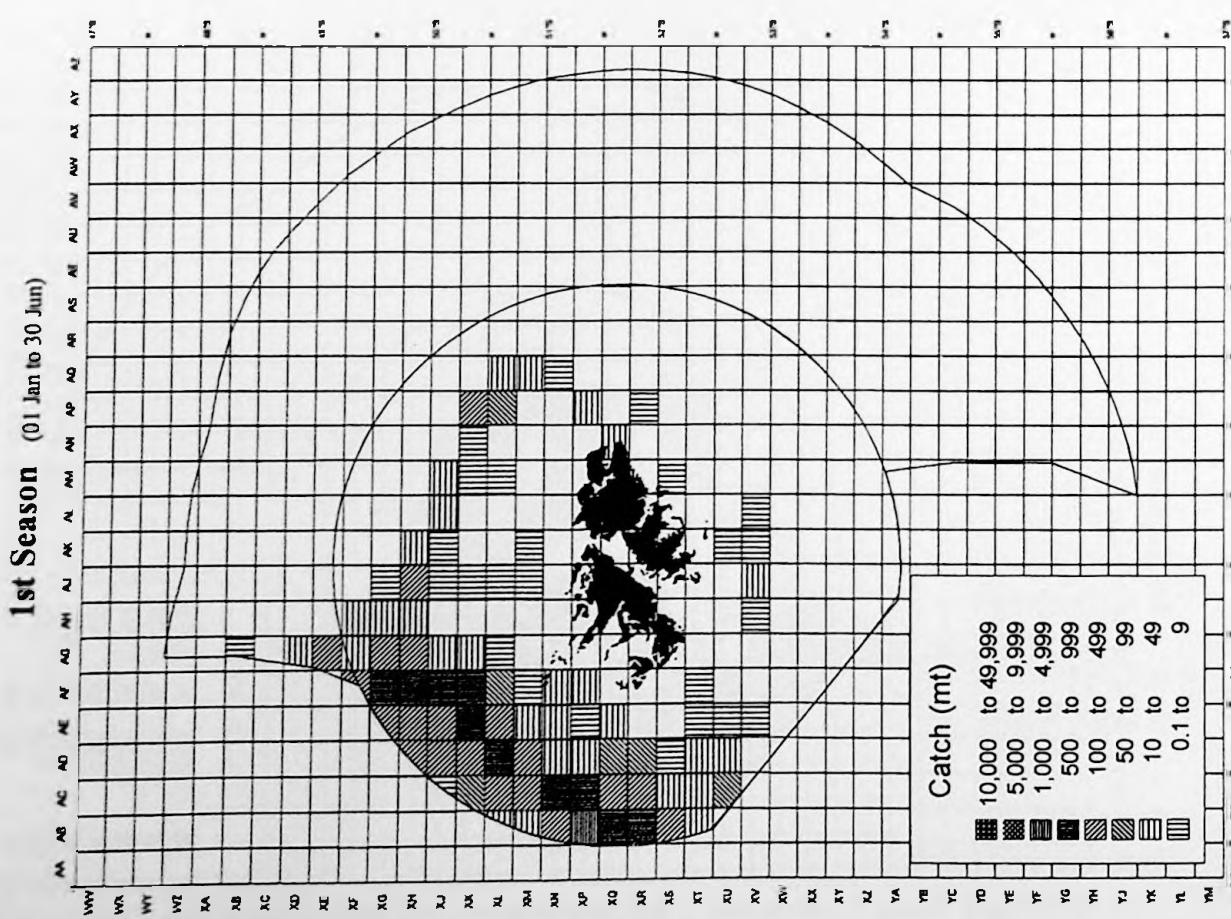


2nd Season (01 Jul to 31 Dec)



Catch (mt) by grid square

Macruronus magellanicus - Hoki

Macruronus magellanicus - Hoki

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	1
LO				11		107	110	164	150	231
TR	4804	1846	2305	1172	890	317	1387	1851	757	3009
	5036	1989	2317	1196	890	423	1514	2015	916	3241

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	144
February	29		26	26	9	11	11	21	81	713
March	13	81	42	40	1	10	64	180	60	227
April	21	115	18	20	21	8	60	75	94	288
May	2	54	1	1	8	29	22	19	50	346
June	1				1	7	8	10		151
July	142	1	29	3	1	11	24	16	36	8
August	278	59	166	204	14	20	125	245	67	252
September	23	24	330	410	107	40	173	776	236	539
October	104	1	155	66	280	166	832	486	205	394
November	2611	286	1414	376	430	99	132	113	36	143
December	1813	1369	137	16	13	15	45	57	16	36
	5036	1989	2317	1196	890	423	1514	2015	916	3241

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			11		107	53	0	1	9
ES	72	64	815	1053	550	219	1090	948	387	1461
FK	0			22	78	17	50	370	181	925
FR						8	15	2		15
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	362
KR	1	75	1	39	97	6	96	361	113	102
NA								4	16	
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				
SC									6	
SL				6	0					
TW					0					
UK		2			5	0	21	48	38	124
UR						8				
AU										228
	5036	1989	2317	1196	890	423	1514	2015	916	3241

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	100
400-599	2	1	119	297	297	149	222	146	59	22
600-799			2	181	67	50	154	542	150	247
800-999	15		93	114	71	33	160	157	77	182
1000-1499	131	23	443	188	282	133	486	448	227	1292
1500-1999	64	58	14	349	84	41	292	157	76	330
2000-2999	4608	1836	1637	40	73	9	52	263	143	696
>2999	215	72		0	16	8	76	123	104	371
	5036	1989	2317	1196	890	423	1514	2015	916	3241

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	138
45-49	15		15	235	154	102	415	72	15	97
50-54	1	4	96	102	242	65	148	654	219	463
55-59	5		4	86	7	6	112	413	73	129
60-64	22	3	14	195	55	26	252	27	34	322
65-69	20	54	284	68	65	10	257	235	142	781
70-79	149	24	220	298	200	113	231	297	161	629
80-89	4607	1903	1556	26	57	1	1	33	24	282
>89	215	1	9	0	16	8	97	185	139	399
	5036	1989	2317	1196	890	423	1514	2015	916	3241

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

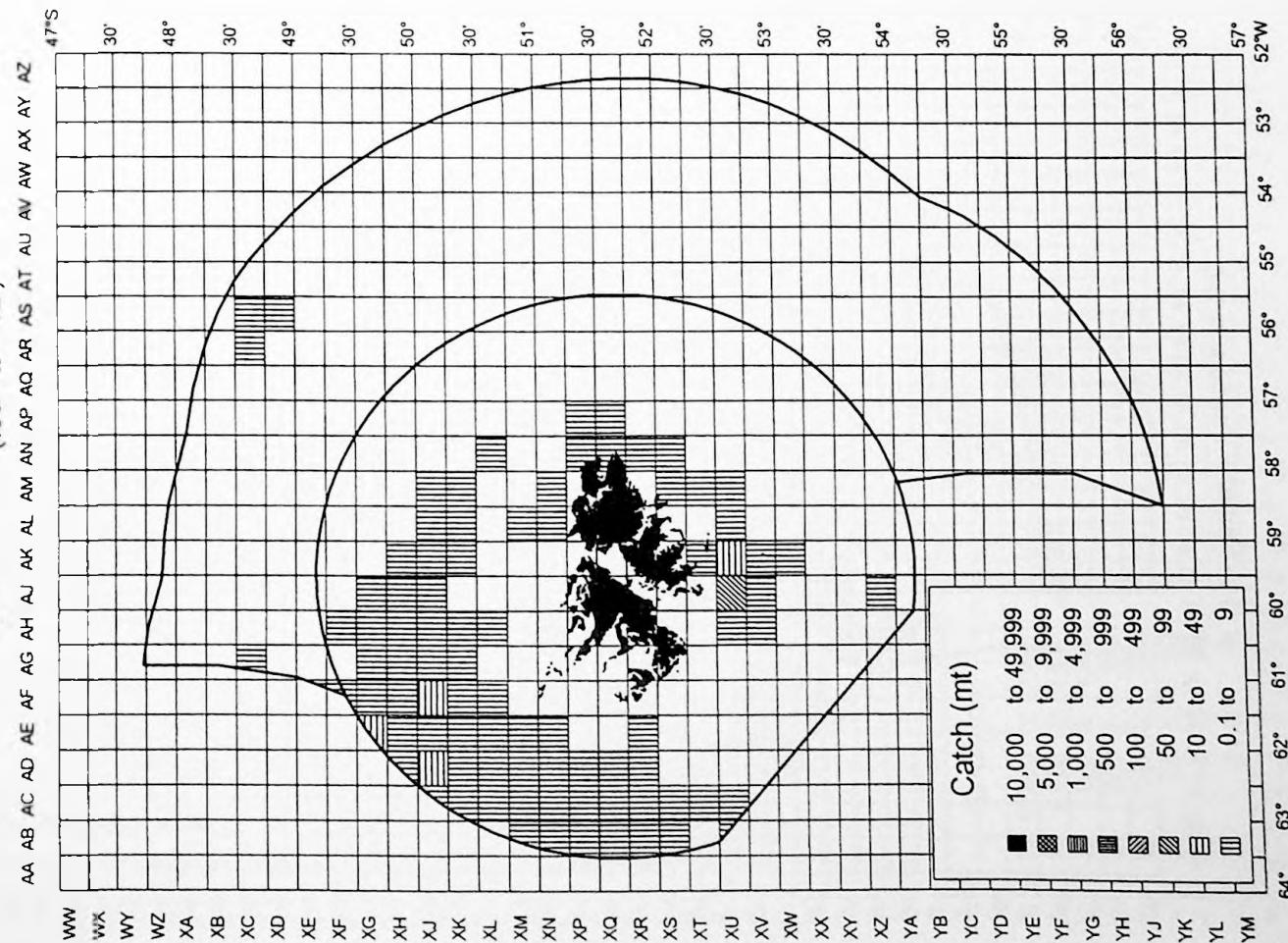
BHP	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
<1000					5	0	19	17	31	
1000-1199		1		108	106	109	199	83	51	
1200-1399	2		194	187	156	11	18	432	116	43
1400-1599	13	4	18	160	108	87	369	103	32	151
1600-1799			189	98			39	79	44	362
1800-1999	14	1	181	203	155	101	390	356	181	787
2000-2499	41	57	85	301	69	77	284	346	97	652
2500-2999	251	76	18	102	221	21	31	163	76	54
3000-3999	4555	1773	1550	17	55	17	66	252	138	714
>3999	160	77	82	22	16	0	98	188	149	478
	5036	1989	2317	1196	890	423	1514	2015	916	3241

1996

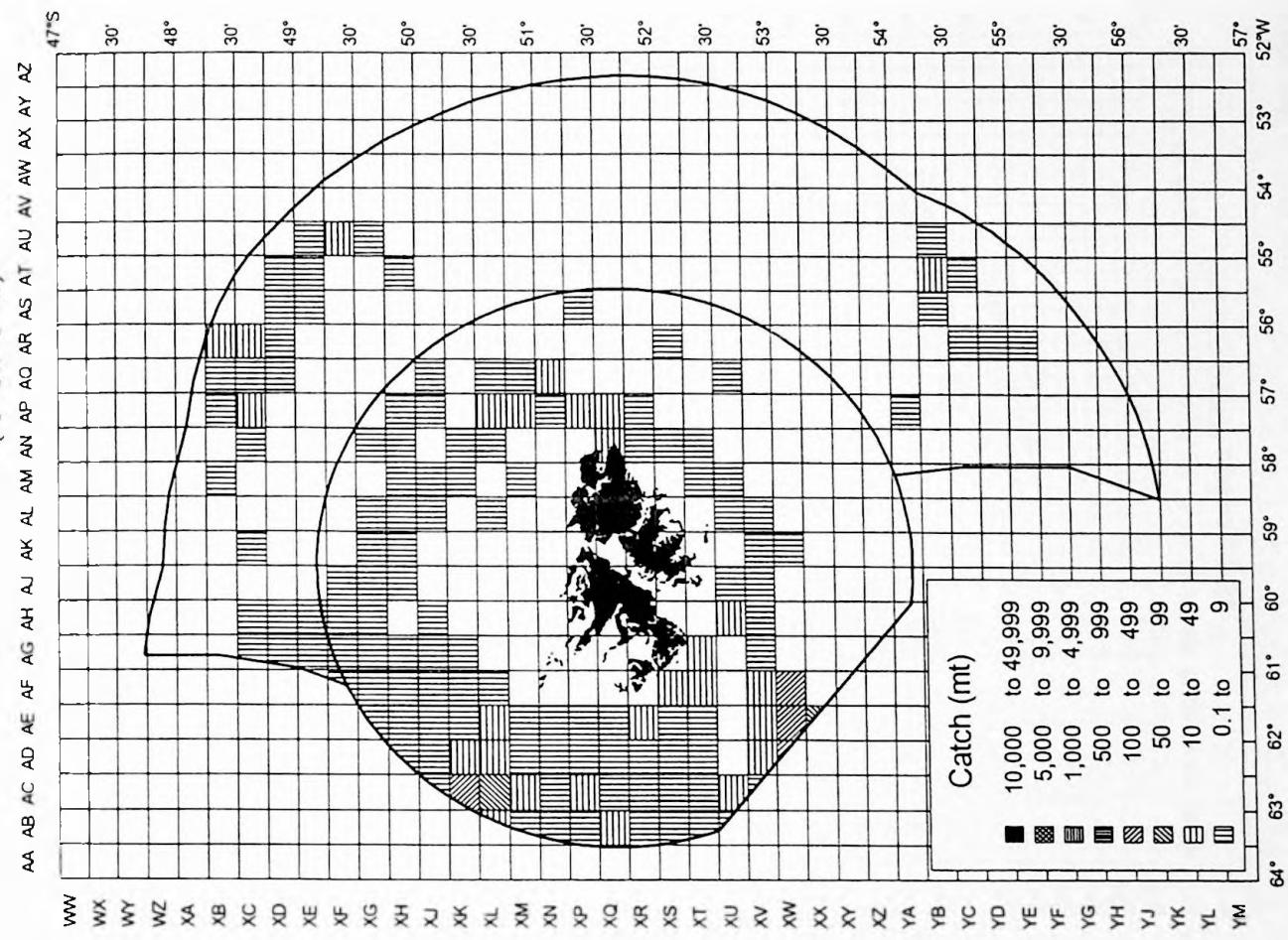
Other

FICZ and FOCZ

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



Others

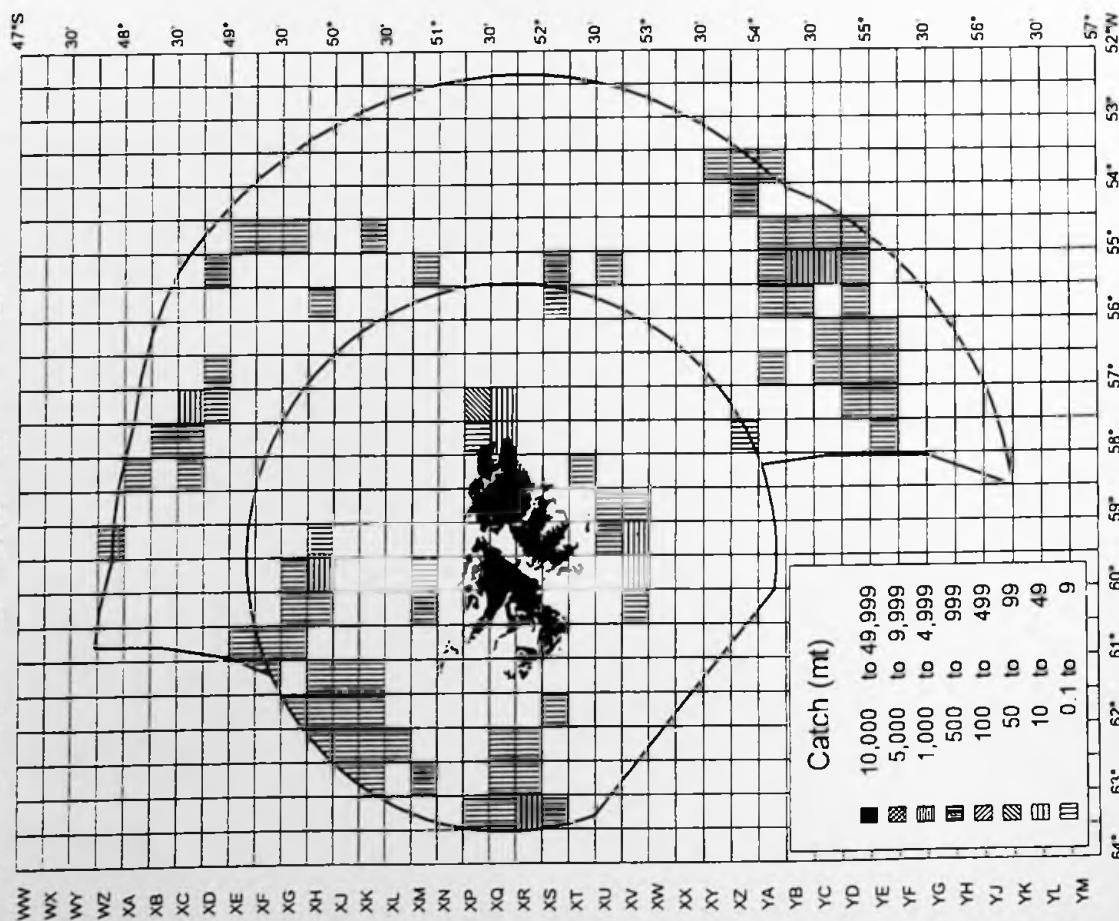
Catch (mt) by grid square

1997

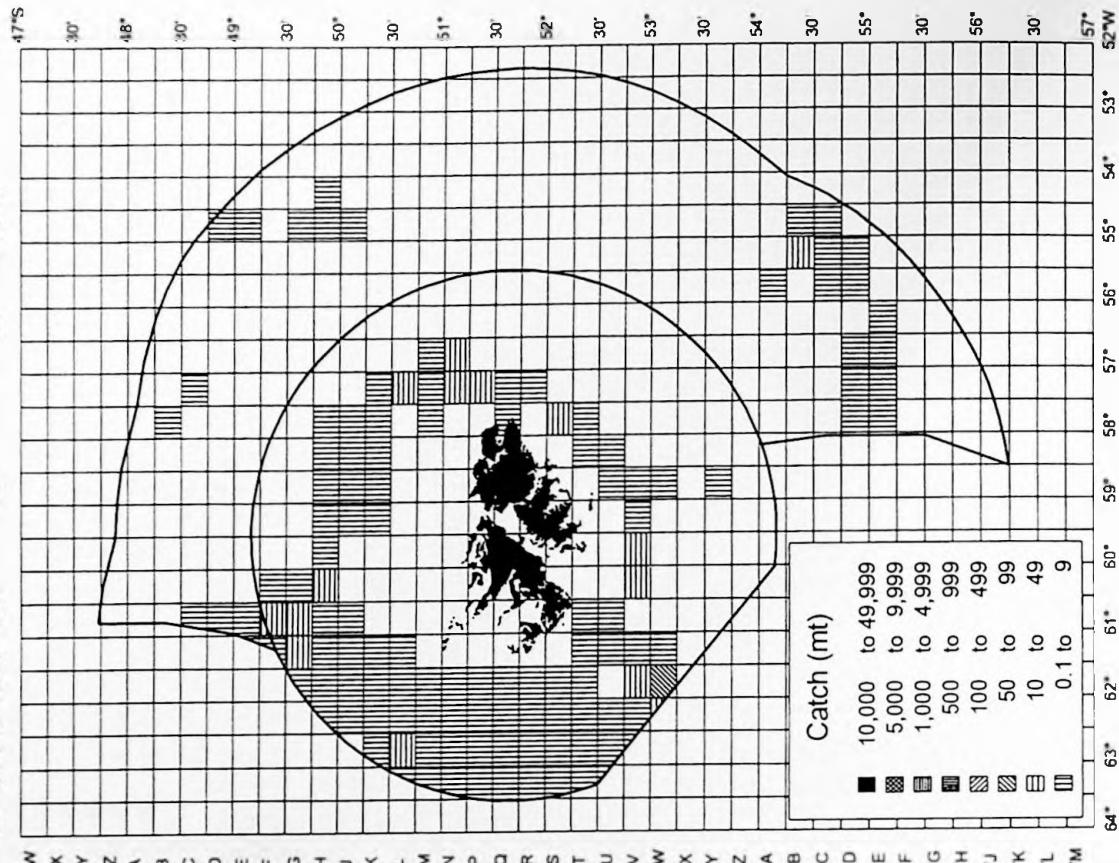
Other

FICZ and FOCZ

1st Season (01 Jun to 30 Jun)



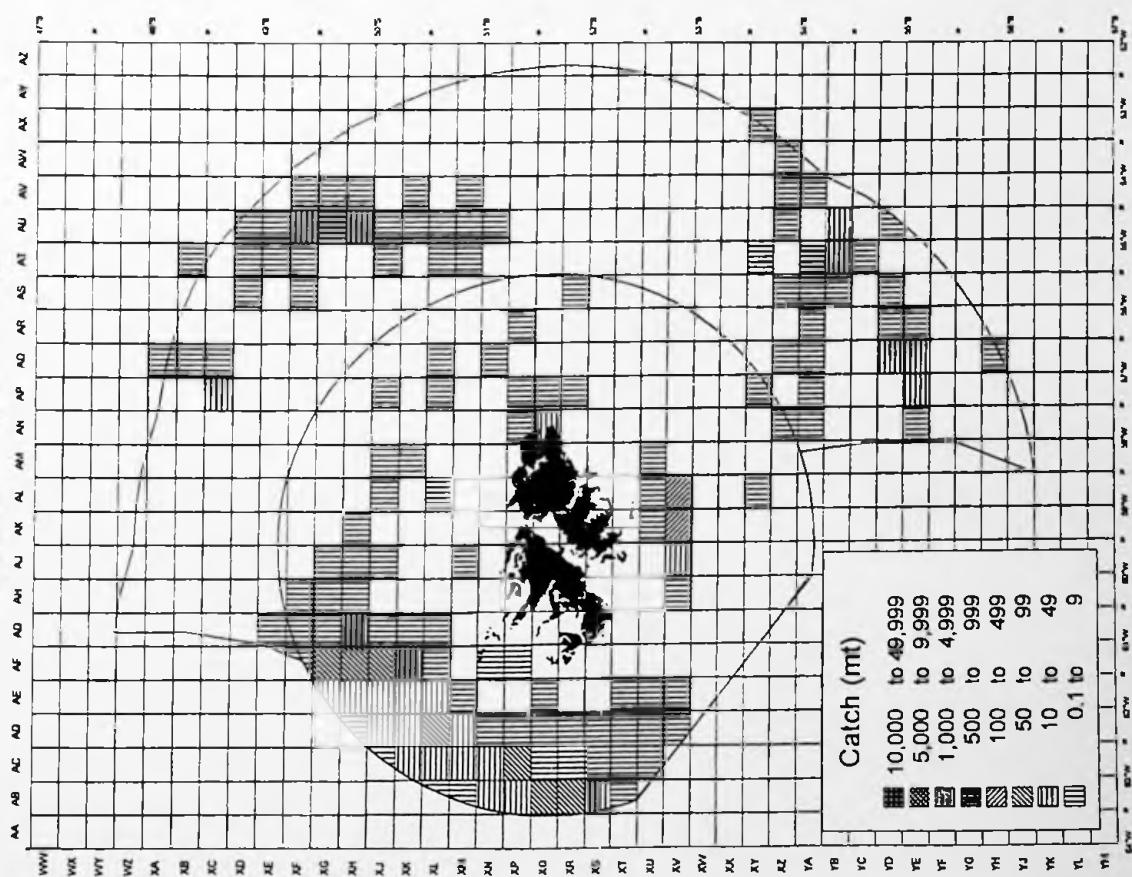
2nd Season (01 Jul to 31 Dec)



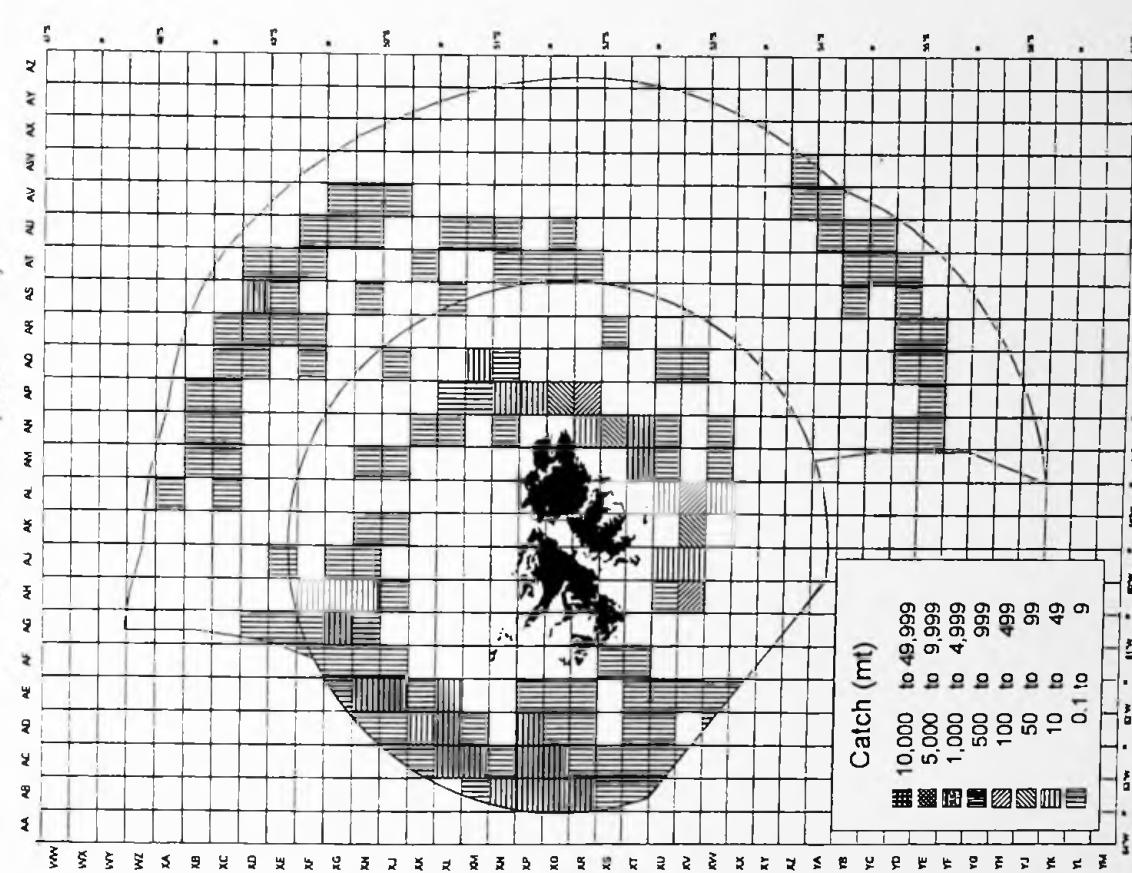
Others

Catch (mt) by grid square

1st Season (01 Jan to 30 Jun)



2nd Season (01 Jul to 31 Dec)



Others