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Dr. P. HOVART and Dr. R. DE CLERCK
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Intern. Report - Contract nr 2199-EEC-23/12/80

Note: This report does not necessarily reflect the views of the Commission, and in no way commits the Commission as to its future position in this field.

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OBJECTIVE.

Daily recordings in the different ports of the Southern Bight and the Eastern part of the Channel were made to obtain information on the by-catch rates of commercial fish species in the shrimp fishery.

Article 8 of the EEC regulation nr. 2527/80 allows a limit of 10 %.

INTRODUCTION.

The shrimp fishery is a typical coastal activity. The main fishery is carried out along the continental coastline from Royan (France) up to the Danish coast.

Shrimping in the EEC thus extends over a wide area, which means that landings are highly decentralized and also indicates the considerable regional importance of the activity.

The relative small vessels remain in general at sea for short periods only ; in the Netherlands and the Federal Republic of Germany, however, some trawlers go out for several days or even a week at a time.

Although the shrimp catch in the EEC countries does not account for a very high proportion of the total production of marine resources, world landings of shrimps are mainly concentrated in the EEC countries. Seasonal variations in landings are connected with the activity of the fleet and the behaviour or density of the shrimps. Predation by cod and whiting causes the highest mortality in the shrimp stock. The density of the shrimp stock depends on the abundance of these two fish stocks.

WORKING PROCEDURES.

The area under investigation was limited to the coastal line from the Baie de Somme (Channel) to Scheveningen. The investigations were carried out on a national sample scheme. The Fisheries Institutes of Boulogne and Ostend provided the information for the French and Belgian shrimp catches. Mr. J.W. VAN DEN HEUVEL, fishery assistant at Breskens kindly sampled the Dutch shrimp catches at Breskens and Colijnsplaat.

1. Belgian landings.

Daily measurements per haul were carried out on a number of representative shrimp vessels from Zeebrugge, Oostende and Nieuwpoort.

Four shrimpers from Zeebrugge, three shrimpers from Ostend and two shrimpers of Nieuwpoort cooperated in this project. The information from the Nieuwpoort fleet was however limited to four months.

Two investigations were carried out, viz. an investigation of the shrimp catches and the by-catch per species on a weight basis together with general information on the fishery (appendix 1) and a detailed investigation of the distribution per length class of the most important species of the by-catch (appendix 2).

Appendix 1 gives an example of the detailed information of the total catch per haul. In addition to the date and the area fished the time and the duration of the haul, the amount of uncooked and cooked shrimps, the weight of the by-catch of commercial sized fish as well as the wind speed and direction are recorded. In general the number of hauls varied from 6 to 10 per trip.

The by-catch per haul was also measured to the nearest cm for the most important commercial fishes, viz. sole, plaice, dab, whiting and cod. This information was also recorded on a standard form as given in Appendix 2. The aim was to obtain a more precise indication on the length and size classes which were fished as a by-catch.

2. Dutch landings.

Recordings of the shrimp catch and of the by-catch were made of the daily landings by several shrimp vessels from Breskens and Colijnsplaat.

The detailed information of the by-catch was obtained by using standard forms as shown in Appendix 3. For the most important species as sole, plaice, cod, whiting and dab the distribution in market categories was recorded. For the other fish species in the by-catch the total catch weight was given. Apart from this the fishing area, the engine power of the vessel and the weight of the shrimp catch was inserted.

3. French landings.

The recordings in the fishing port Dunkerque were identical to those made in Breskens and Colijnsplaat.

The surveys however were restricted to the period March and April as some technical difficulties arose.

However in the Institut de Pêches Maritimes of Boulogne some studies were made in order to assess the total by-catch in the shrimp fishery in the Eastern Channel for the years 1980 and 1981. The area involved was the Baie de Somme and the vicinity of the fishing port Tréport. The by-catch of commercial fish species was specified but the report only refers to the most important species.

DESCRIPTION OF THE DIFFERENT FISHERIES.

1. Belgian shrimp fishery.

In general the shrimp fishery is carried out in a relative small area, viz. the coastal zone up to 10 miles from the coastline. The areas covered by the sampling of this report are shown on figure 1.

About 75 % of the total shrimp catch in Belgium is obtained by the shrimp fleet of Zeebrugge, whereas the ports of Oostende and Nieuwpoort are landing respectively about 15 % and 10 %.

Although the capacity of the fleet never showed great differences from year to year the variations in the shrimp catches are important (table 1). These variations are mainly due to abnormal reproduction in some years or to variable predation by cod and whiting.

Taking into account these variations the importance of the shrimp fishery in comparison with the total Belgian fleet oscillated between 2 % and 5 % on a weight basis and between 4 % and 8 % on a value basis.

Table 2 gives some information on the characteristics of the Belgian shrimp fleet in 1981. The number of vessels engaged in shrimping decreased from about 120 in 1960 to 51 in 1981. On the other hand there has been a substantial increase in the engine power from 65 Hp in 1960 to 183 Hp in 1981.

2. Dutch shrimp fishery (Southern part).

Dutch fishing grounds and landings of shrimps are shown in figure 2 and table 1.

The characteristics of the fleet are given in table 2. From this table it appears that the shrimp fleet in Breskens is rather similar to the one in Zeebrugge. The shrimp fleet of Colijnsplaat however is characterised by a rather high mean engine power of 284 Hp compared to the other fleets.

3. French shrimp fishery (Eastern part of the Channel).

Data on landings of Dunkerque are given in table 1. The yearly landings in the Baie de Somme and Le Tréport are shown in table 78.

The characteristics of the fleet of Dunkerque are mentioned in table 2. The mean engine power of 88 Hp is very low compared to other fleets.

Figure 3 indicates the main French fishing ground (part Dunkerque).

RESULTS.

1. Belgian results.

The individual measurements per haul and per vessel are summarized per day and per month in tables 3 to 33. Tables 3 till 17 deal with the results from the fleet of Zeebrugge, covering the period March 1981-April 1982. The observations for the period May 1981-April 1982 of the Oostende fleet are given in the tables 18-29. Tables 30-33 show the results of the observations of the Nieuwpoort fleet for the period June-September 1981.

Each table includes the date, the weight of the shrimp catch and the total by-catch, the percentage of fish to the total catch and the total by-catch in kg of sole, plaice, dab, whiting, cod and others.

In the catches of the shrimp vessels of Zeebrugge a continuous decrease in the by-catch level occurred from March (26 %) to September (8 %) as shown in table 36 and figure 4. Later the by-catch level increased again and was well above 20 %. The shrimp catch of the port of Oostende also showed an increase of the by-catch level up to 48 % in the winter period. The limited number of observations in the fleet of Nieuwpoort indicated low by-catch levels in the summer period which is in line with the other results.

However with a few exceptions nearly all by-catch levels over the periode March 1981-April 1982 were beyond the 10 % level in the Belgian fleet.

Important differences occurred per day. Comparing the percentages haul by haul high variations were found as shown as an example in Appendix 1.

Detailed information of the total by-catch of the four main species in respect to their market value is given in table 64. On the basis of the monthly mean values an assessment was made of the total by-catch of sole, plaice, whiting and cod per fleet. In all series the same trend was observed, viz. the major part of the by-catch during the summer period was composed by flatfish species whereas during the winter period roundfish species became predominant. On average about 5 kg plaice and 3 kg sole per 100 kg shrimps were caught during the summer time. During the winter period cod became the most important by-catch species in the catches of Zeebrugge with a mean weight of 7 kg per 100 kg shrimps followed by whiting with 2 kg. In the catches of Oostende these weights were 15 kg whiting and 12 kg cod.

The distribution of the total by-catch species composition is given in table 65. Although variations in the composition occurred from port to port, in general, the by-catch was mainly composed by dab, plaice, flounder, sole, whiting, cod and eel. In total 23 different species of commercial value were observed.

The length distribution of sole, plaice, dab, whiting and cod in the by-catch is shown in tables 66 to 76. The results can be described as follows :

Sole.

More than 85 % of the total landings of sole were composed by the sole class 24-28 cm, e.g. the first market category (table 66). This was mainly due to the presence of the strong 1979 yearclass which is not a normal feature in the shrimp landings. On the other hand the young soles tend to concentrate in the shallow waters.

From the monthly length distributions it is also clear that during spawning (April-June) an important proportion of mature soles were present in the catches (tables 67 and 68).

Plaice.

The major part of the plaice by-catch consisted of the length classes 27-32 cm, which are mainly 2- and 3 years old fish (table 66).

The highest catches were obtained during July and August in the fleet of Zeebrugge. No clear trend could be observed in the catches of the fleet of Oostende. Different fishing ground could be the major reason for this difference between fleets (tables 69 and 70).

Dab.

The dab catches were composed by different age-groups with a length from 15 to +32 cm. However the most important age-groups in the catches were the II- and III-groups (table 66).

The highest catches were observed in the winter period in all fleets (tables 71 and 72).

Whiting.

The majority of the whiting catches had a length of between 27 and 32 cm, e. g. the age groups II- and III (table 66).

Spring and summer periods showed a higher proportion of the I- and II-groups, whereas during the other seasons older whiting became predominant (tables 73 and 74). The density was the highest during autumn and winter period.

Cod.

Length classes from 30 up to +47 cm were recorded in the by-catch of cod (table 66). Nearly half of the length distribution was composed by older cod (more than 47 cm).

The catches were limited to the period September-April (tables 75 and 76). There seems to be no clear difference between the monthly length distributions in that period.

2. Dutch results.

From the individual observations as explained in the section "working procedures" the daily and monthly shrimp landings and their composition in by-catch are given in tables 34 to 47 for the catches in Breskens. The same information for the catches in Colijnsplaat is shown in tables 48 to 62.

The overall trend is also summarized in table 63. From this table it is clear that the by-catch level in the Breskens fleet is rather similar to the one observed in the Zeebrugge fleet, viz. lower rates during the summer and increasing rates during the winter period. On the other hand no clear trend is obtained by studying the by-catch levels in the Colijnsplaat fleet. However in most cases the by-catch level is well above 10 %.

Table 77 shows the by-catch composition of the most important fish species as sole, plaice, whiting and cod. The same observations as described for the Belgian fleet are valid for the Dutch fleet. Indeed the by-catch is predominantly composed of flatfishes during spring and summer. During the autumn and winter period whiting and mostly cod become predominant.

On a year basis the by-catch per 100 kg shrimps can be estimated at 2 kg sole, 3 kg plaice, 1 kg whiting and 6 kg cod. This is more or less in agreement with the Belgian results.

The total species composition, given in table 65, indicates a rather similar pattern as observed in the Belgian catch.

3. French results.

The French results derived from the Eastern Channel area are less detailed than the two other areas.

The information on the survey of the Dunkerque fleet are given in table 63 and show very high by-catch rates, viz. 62 % and 66 % for the period March-April 1981. These rates are much higher than those obtained from other areas.

The species composition is shown in table 65 and indicates the predominancy of plaice, dab and sole.

On the other hand information became available on a yearly basis from the areas Baie de Somme and Tréport. The study was carried out in three areas, viz. the estuary, the three mile zone and the zone between three and twelve miles from the coast. No clear trend is found in the species composition beyond the three mile distance (table 78). In the estuary area lemon sole seemed to be predominant. No major differences became apparent on comparing the species composition with the one in other areas. The main species were also cod, whiting, plaice, dab and sole. Only mackerel appeared in rather high concentrations as reflected by a by-catch level of about 15 %. This could be the main reason for the substantially higher total by-catch level of about 55 % in the area, compared to the Belgian and Dutch levels of 20-40 %.

CONCLUSIONS.

The general conclusions of these investigations covering the period March 1981-April 1982 on the by-catch levels in the Southern Bight and the Eastern Channel can be summarized as follows :

1. In nearly all cases the by-catch level in the Belgian, Dutch (Southern part) and French shrimp fishery (Eastern Channel) is well beyond the 10 % limit. Indeed the overall mean by-catch level obtained from this study is as follows :

Nieuwpoort : 11 %

Zeebrugge : 18 %

Oostende : 24 %

Breskens : 13 %

Colijnsplaat : 18 %

Baie de Somme (1980) : 53 %

Baie de Somme (1981) : 51 %

Tréport (1980) : 57 %

Tréport (1981) : 74 %

Dunkerque : 64 %

2. The main composition of the by-catch consisted of plaice, sole, cod, whiting, dab, flounder and eel. In the Eastern Channel mackerel contributed an important part to the total.

3. Most of the by-catch is composed of the age groups II and III.

4. During the yearly cycle a different trend was observed according to the seasons. During spring and summer flatfishes were predominant, whereas during autumn and winter roundfishes as cod and whiting formed the bulk of the by-catch.

5. The total estimated by-catch of sole, plaice, whiting and cod from the catches in Oostende, Zeebrugge, Breskens and Colijnsplaat and in the Eastern Channel is summarized in table 79. In addition the total North Sea catch of the directed flat- and roundfish fishery for the year 1981 is also given in the table in order to illustrate the relative importance of the by-catch of the shrimp fishery. The catch of sole

in the Belgian and Dutch shrimp fishery reached 0.2 % of the total international directed fishery. The corresponding values for plaice are 0.06 %, for whiting 0.02 % and for cod 0.03 %. In the Eastern Channel the percentages are 3.5 % for sole, 3.4 % for plaice, 0,5 % for whiting and 1.2 % for cod.

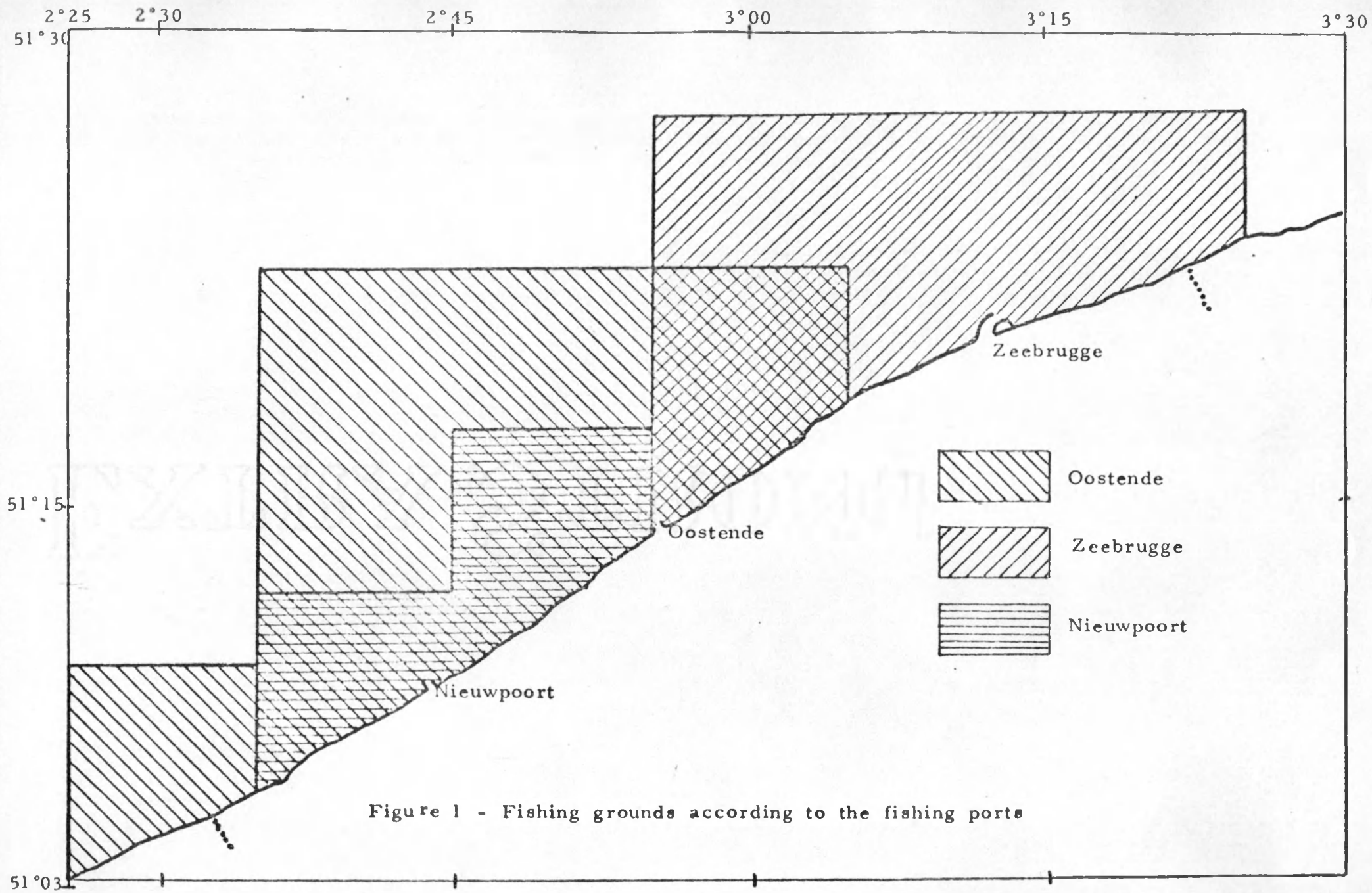


Figure 1 - Fishing grounds according to the fishing ports

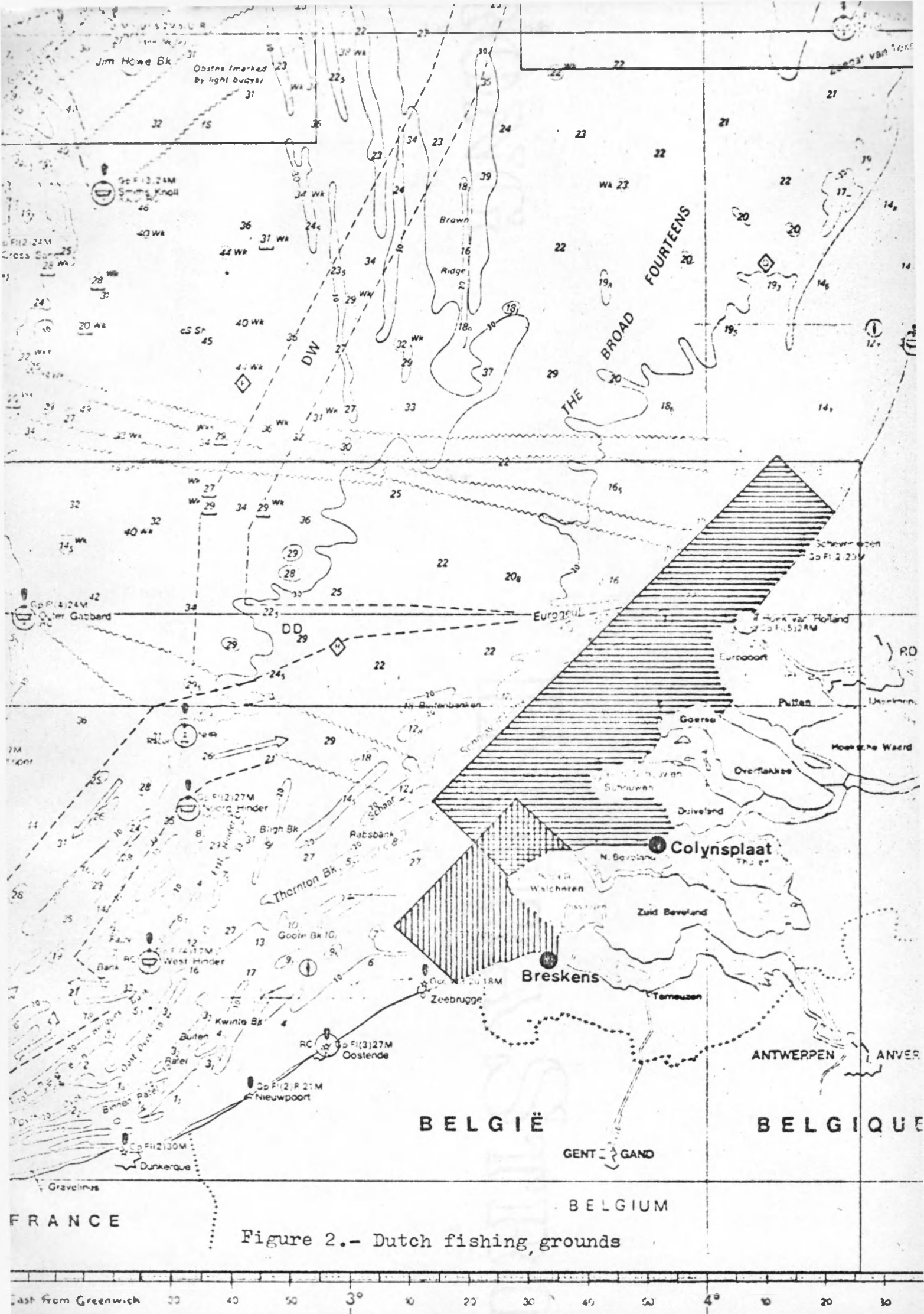


Figure 2.- Dutch fishing grounds

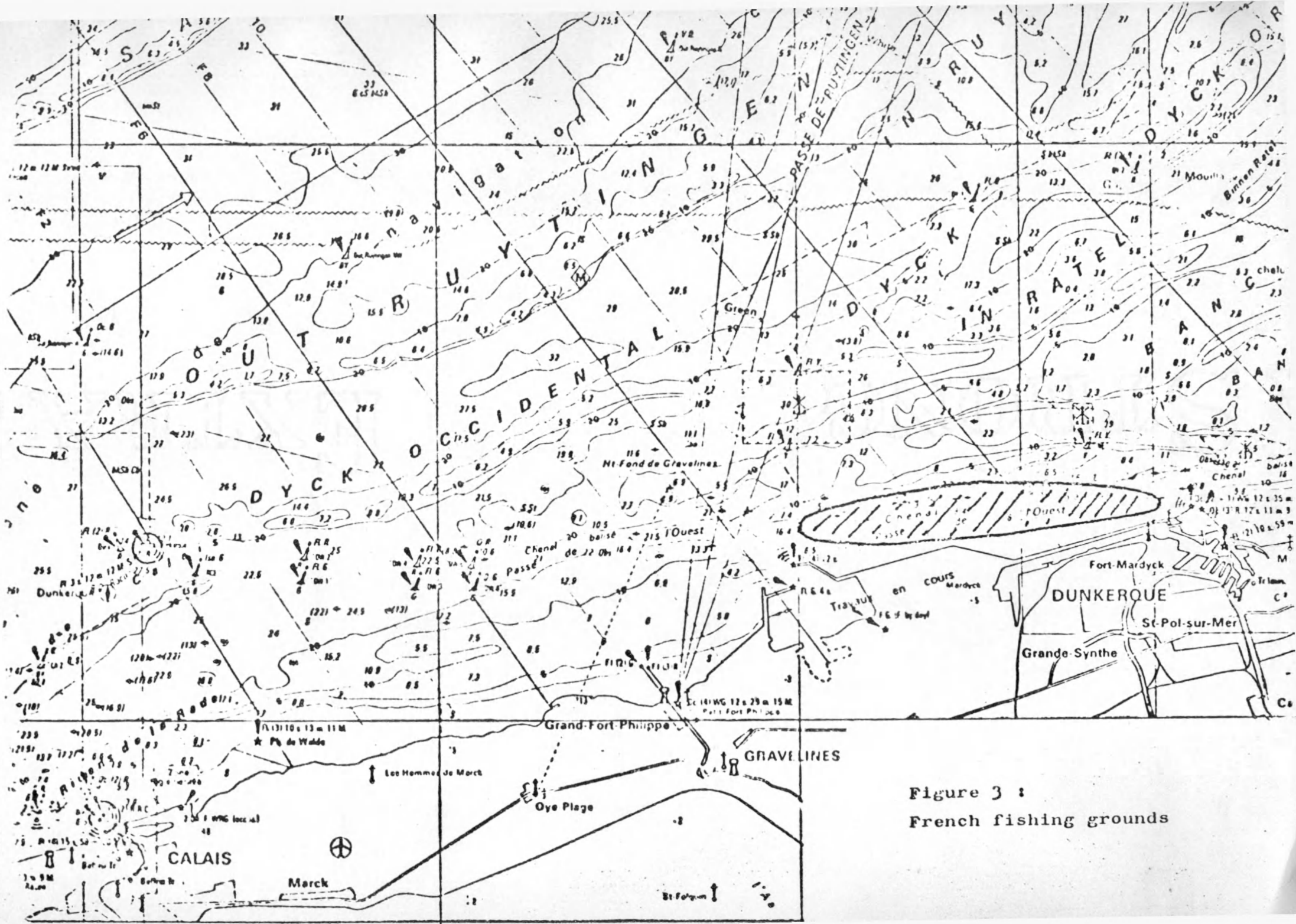


Figure 3 :
French fishing grounds

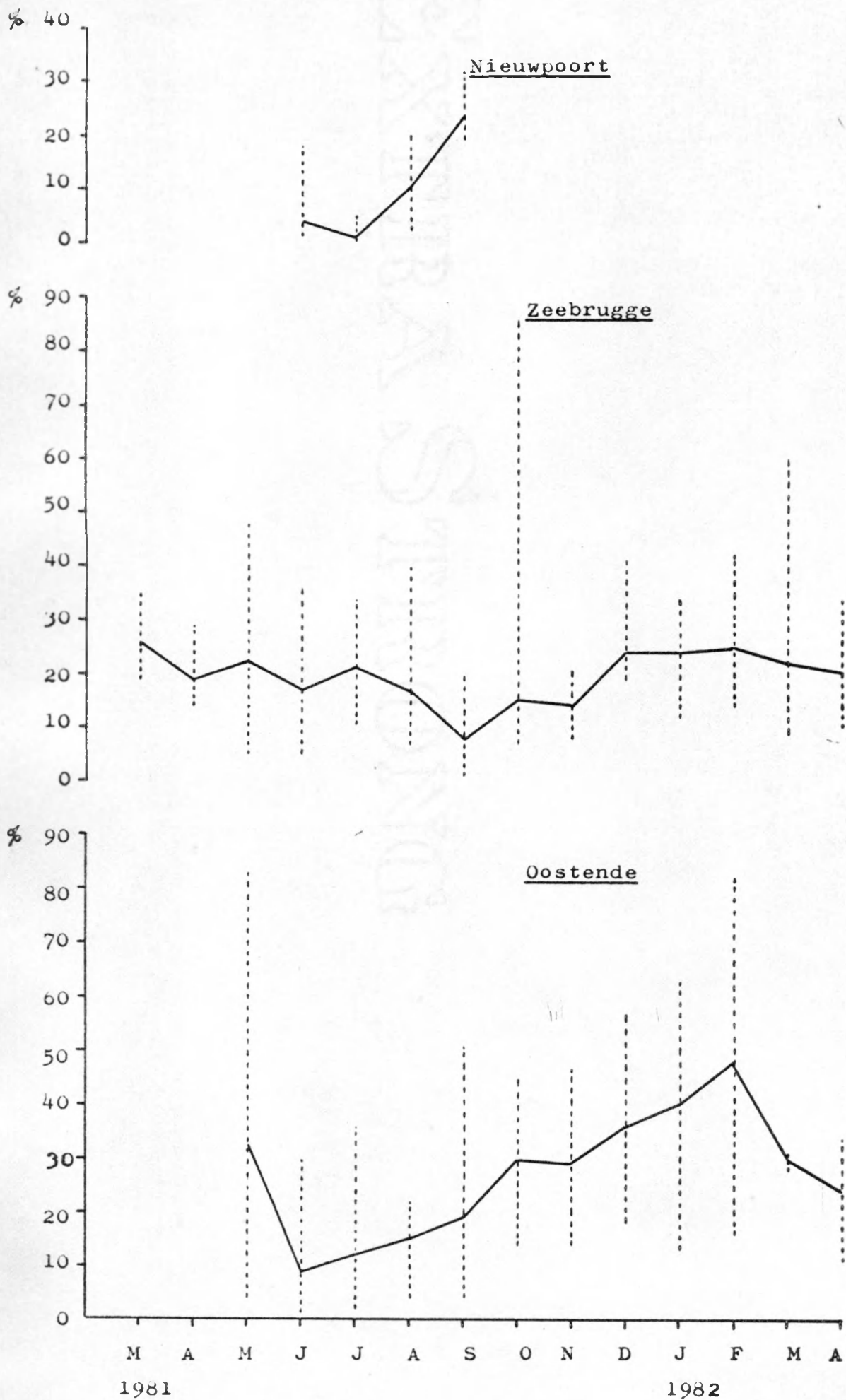


Figure 4. - By-catch levels for the different fleets (Mean values, maximum and minimum).

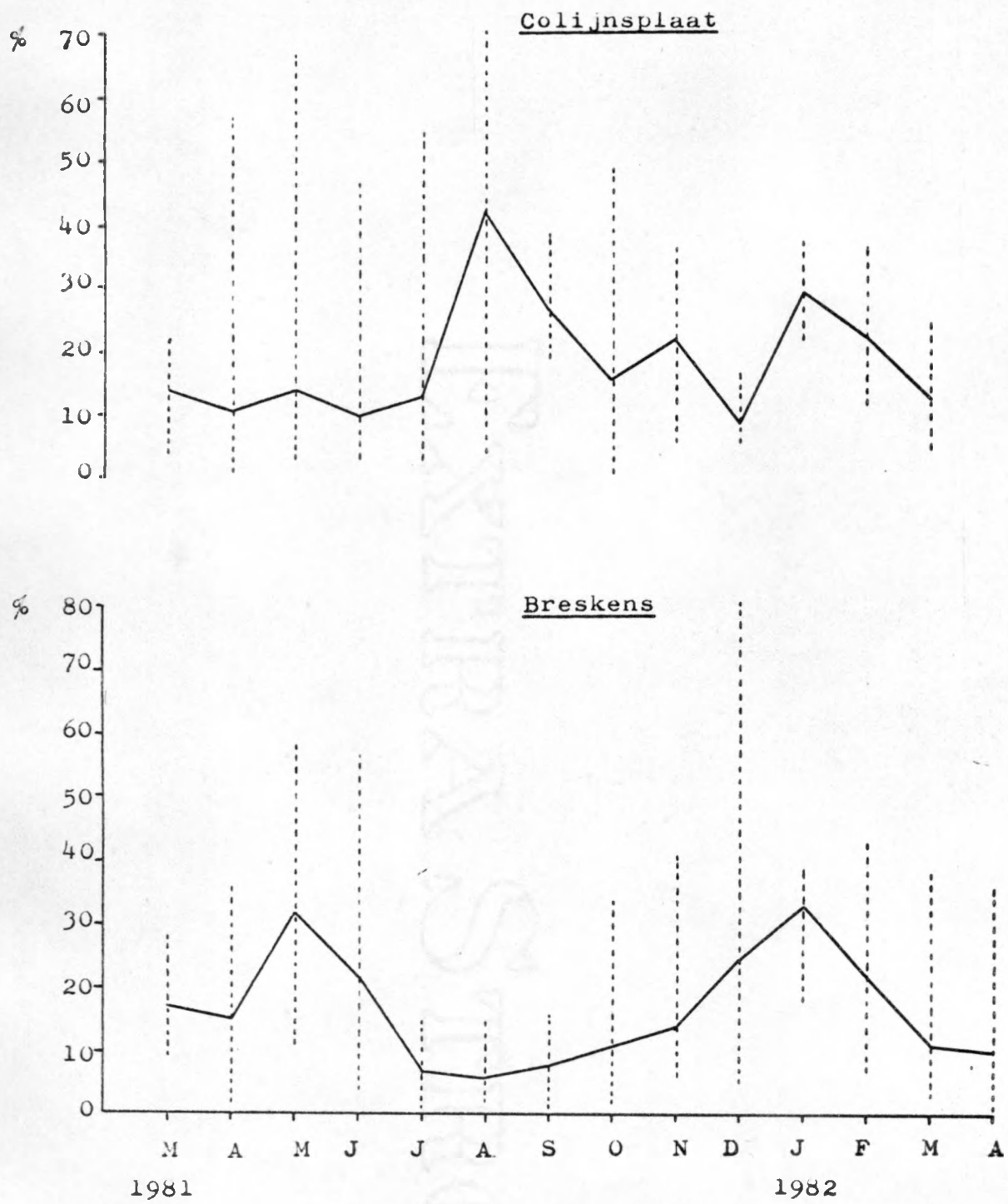


Figure 4. - continued.

Table 1 - Landing of Shrimps (tonnes)

Year		Belgium	Breskens + Colijnsplaat	Dunkerque
1950		1548	no data	no data
1960		461	1043	no data
1970		1363	992	43.9
1980	J	40	66	1.1
	F	30	77	1.5
	M	35	29	1.2
	A	54	33	2.8
	M	60	36	2.2
	J	73	53	2.1
	J	100	28	2.2
	A	121	106	1.8
	S	191	174	2.8
	O	149	194	3.4
	N	44	71	2.3
	D	34	24	1.9
	Tot.	930	891	25.5
1981	J	30	20	1.1
	F	22	28	0.9
	M	18	29	1.4
	A	32	26	1.9
	M	52	23	2.7
	J	60	30	1.9
	J	92	44	1.2
	A	108	40	1.5
	S	166	87	1.9
	O	107	201	3.1
	N	69	44	2.1
	D	50	104	2.5
	Tot.	806	676	22.2
1982	J	28	65	1.0
	F	30	79	1.8
	M	36	77	2.7
	A	54	40	2.9

Table 2 - Characteristics of the different shrimp fleets (1981)

Port	Shrimps (tonnes)	Number of vessels	Number of trips	Mean H.P.	Mean G.T.
Oostende	203	20	1941	178	35.1
Zeebrugge	569	22	2344	194	42.1
Nieuwpoort	36	9	347	166	31.4
Total (Belg)	808	51	4632	183	37.5
Dunkerque	22.2	4	-	+88	-
Breskens		4-15	4 on average	195	34.4
Colijnsplaat	676	3- 8	a week	284	69.9

TABLE : 3

CATCH PER DAY

MONTH: MARCH

DATE	SHRIMPS KG.	PROTECTED SPECIES		AREA: 0100					
		TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	FLAICE	DAB	WHI- TING	COD	OTHERS
16.03.81	107	58,0	35	3,0	7,0	17,5	1,5	29,0	
18.03.81	140	56,1	28	,7	2,7	13,0	1,7	22,0	16,0
26.03.81	270	111,1	29	4,4	9,5	17,4	6,3	32,5	41,0
29.03.81	135	47,1	25	1,8	2,0	19,0	,4	3,9	20,0
30.03.81	179	46,7	19	6,2	4,3	10,0	1,7	4,5	20,0
31.03.81	215	64,0	22	6,0	1,0	7,0		29,0	21,0
TOTAL KG:	1065	383,0	26	22,1	26,5	83,9	11,6	120,9	118,0

NAME OF PORT: Z

NUMBER OF VESSELS: 1

TABLE : 4

CATCH PER DAY

MONTH: APRIL

DATE	SHRIMPS KG.	PROTECTED SPECIES		AREA: 0100					
		TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	FLAICE	DAB	WHI- TING	COD	OTHERS
1.04.81	160	46,0	22	4,0	12,0	4,0		12,0	14,0
2.04.81	38	10,0	20	1,5	2,5	1,5	,5	4,0	
5.04.81	126	30,5	19	2,5	3,8	1,7	,5	10,0	12,0
6.04.81	118	38,0	24	3,8	4,3	3,9		9,0	17,0
7.04.81	187	35,1	15	3,5	7,2	1,9	1,9	17,4	3,2
8.04.81	280	102,5	26	13,7	40,3	10,2	,3	7,2	30,8
9.04.81	143	48,0	25	3,1	9,5	10,5		1,9	23,0
12.04.81	340	66,8	16	3,8	8,4	11,1	1,1		42,4
13.04.81	240	45,5	15	15,0	3,0	4,5		4,0	19,0
14.04.81	275	63,3	18	3,4	4,3	,9	,7	20,0	34,0
16.04.81	341	61,5	15	3,6	14,8	5,6	2,3	4,2	31,0
21.04.81	435	103,8	19	2,5	63,3	10,0	,5	3,5	24,0
22.04.81	176	37,7	17	1,0	18,4	4,3		1,0	13,0
24.04.81	35	13,5	28	1,3	,5	,2		4,5	7,0
26.04.81	130	21,5	14	,5	21,0				
28.04.81	118	39,3	25	,5	23,0		5,8	10,0	
29.04.81	125	52,2	29	,7	30,5	4,0	17,0		
TOTAL KG:	3267	815,2	19	64,4	266,8	74,3	30,6	108,7	270,4

NAME OF PORT: Z

NUMBER OF VESSELS: 2

TABLE : 5

CATCH PER DAY

MONTH: MAY

DATE	SHRIMPS KG.	PROTECTED SPECIES		AREA: 0100					
		TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	FLAICE	DAB	WHI- TING	COD	OTHERS
5.05.81	105	27,6	20	,8	20,5	,2	6,1		
6.05.81	125	49,3	28	2,2	33,0	8,1	6,0		
7.05.81	120	36,5	23	1,3	18,0	2,2	11,0	4,0	
10.05.81	75	14,4	16	2,9	7,0	1,5	3,0		
11.05.81	228	52,8	18	4,9	4,3	1,0	8,6		34,0
12.05.81	213	46,8	18	4,8	7,0				35,0
13.05.81	191	20,5	9	5,6	3,3	1,0	3,6		7,0
14.05.81	145	40,6	21	11,2	2,9	,5			26,0
17.05.81	229	27,3	10	7,7	1,0	,2	1,4		17,0
18.05.81	227	51,6	18	6,5	6,0	3,6	3,5		32,0
19.05.81	106	5,9	5	1,4	4,5				
20.05.81	164	66,5	28	6,9	1,5	1,1			57,0
21.05.81	166	158,4	48	8,4					150,0
24.05.81	158	83,6	34	7,9	,6	,1			75,0
25.05.81	123	65,9	35	3,3	,6				62,0
26.05.81	128	24,4	16	1,2	,2				23,0
28.05.81	114	14,0	10						14,0
31.05.81	130	17,0	11	5,0					12,0
TOTAL KG:	2747	803,1	22	82,0	110,4	19,5	43,2	4,0	544,0

NAME OF PORT: Z

NUMBER OF VESSELS: 2

PROTECTED SPECIES

AREA: 0103

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
1.06.81	96	6,0	5	3,0					3,0
2.06.81	158	91,2	36	5,7	,5				85,0
3.06.81	98	48,6	33	3,6					45,0
8.06.81	210	48,1	18	1,1					47,0
10.06.81	165	17,7	9	3,7					14,0
12.06.81	176	58,6	25	3,6					55,0
14.06.81	205	35,1	14	6,1					29,0
16.06.81	178	30,8	14	8,8					22,0
18.06.81	386	61,5	13	8,9		,3	2,5		49,8
21.06.81	168	38,0	18	5,0					33,0
22.06.81	495	101,5	17	12,5	14,5		4,5		70,0
23.06.81	303	22,3	6	14,8	1,0		1,5		5,0
24.06.81	383	133,8	25	17,3	14,3	1,6	13,1		87,5
29.06.81	36								
30.06.81	208	22,0	9	4,0					18,0
TOTAL KG:	3265	715,2	17	98,1	30,3	1,9	21,6		563,3

NAME OF PORT: 2 NUMBER OF VESSELS: 3

TABLE : 7 CATCH PER DAY MONTH: JULY

PROTECTED SPECIES AREA: 0100

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
1.07.81	358	59,5	14	7,5	7,5		,5		44,0
2.07.81	126	66,0	34	6,0	11,0				49,0
5.07.81	440	202,2	31	10,9	35,0	,3			156,0
6.07.81	319	132,1	29	8,0	10,1				114,0
7.07.81	243	60,5	19	7,0	28,0		3,5		22,0
8.07.81	405	132,9	24	12,2	24,5	9,2	3,0		84,0
9.07.81	420	163,5	28	5,0	11,6	,9			146,0
12.07.81	434	117,9	21	13,4	17,0				87,5
13.07.81	341	125,7	26	8,7	19,0				98,0
14.07.81	436	115,9	21	18,8	21,6				75,5
15.07.81	443	130,3	22	12,3	16,0	2,7	,3		99,0
19.07.81	715	93,2	11	15,7	7,0				70,5
21.07.81	626	132,4	17	15,2	32,7				84,5
22.07.81	325	94,4	22	6,3	15,1				73,0
23.07.81	498	91,9	15	3,0	29,9				59,0
26.07.81	586	112,6	16	6,4	38,2				68,0
27.07.81	512	197,3	27	10,7	71,6				115,0
28.07.81	488	116,3	19	18,6	33,2				64,5
29.07.81	548	127,4	18	20,9	20,5				86,0
30.07.81	477	104,7	18	13,8	7,9				83,0
TOTAL KG:	8740	2376,7	21	220,4	457,4	13,1	7,3		1678,5

NAME OF PORT: 2 NUMBER OF VESSELS: 3

TABLE : 8 CATCH PER DAY MONTH: AUGUST

PROTECTED SPECIES AREA: 0102

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
2.08.81	543	90,6	14	20,0	26,5	,1			44,0
3.08.81	573	151,5	20	19,0	57,0				75,5
4.08.81	504	112,6	18	13,6	29,0				70,0
5.08.81	410	35,0	7	15,0	5,0				15,0
6.08.81	180	15,0	7	12,4	,6				2,0
9.08.81	660	80,1	10	14,6	29,2	1,3			35,0
11.08.81	560	105,2	15	12,0	31,0	,2			62,0
12.08.81	522	121,8	18	7,6	33,0		,2		81,0
13.08.81	523	108,2	17	28,9	29,3				50,0
17.08.81	465	38,6	16	33,0	16,6				39,0
18.08.81	366	244,6	40	17,0	171,6				56,0
19.08.81	165	58,0	26	15,0	1,0				42,0
23.08.81	554	90,0	13	2,0	67,0				21,0
24.08.81	475	162,0	25	15,5	116,5				30,0
25.08.81	505	124,5	19	11,0	60,5				53,0
26.08.81	543	96,5	15	9,5	51,0				36,0
27.08.81	500	66,0	11	10,0	34,0				22,0
30.08.81	730	62,1	7	20,1	1,0				41,0
31.08.81	872	199,1	18	30,9	87,2				81,0
TOTAL KG:	9650	2011,4	17	307,1	847,0	1,6	,2		855,5

NAME OF PORT: 2 NUMBER OF VESSELS: 3

TABLE : 9

CATCH PER DAY

MONTH: SEPTEMBER

PROTECTED SPECIES

AREA: 0100

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
1.09.81	985	207,1	17	34,1	64,0			109,0	
2.09.81	877	186,0	17	96,0	48,0			2,0	
3.09.81	774	184,6	19	43,0	78,6			63,0	
6.09.81	805	150,1	15	10,6	19,5			4,0	
7.09.81	887	224,9	20	6,9	56,0			162,0	
8.09.81	818	159,1	16	16,1	82,0			5,0	
9.09.81	740	156,9	17	23,9	57,0			76,0	
10.09.81	579	76,0	11	23,0	26,0			27,0	
13.09.81	645	69,0	9	20,0	31,0			18,0	
14.09.81	725	75,6	9	15,6	40,0			20,0	
15.09.81	815	100,9	11	17,9	33,0			50,0	
16.09.81	920	41,0	4	15,0	4,0			22,0	
17.09.81	565	46,5	7	41,5				5,0	
20.09.81	1.530	42,0	2	42,0					
21.09.81	1.970	58,0	2	25,0	26,0			7,0	
22.09.81	1.050	33,0	3	30,0				3,0	
23.09.81	150	4,5	2	1,5				3,0	
24.09.81	620	6,9	1	2,9				4,0	
27.09.81	800								
28.09.81	1.550	27,7	1	22,7				5,0	
29.09.81	1.071	83,3	7	30,4	15,9			7,0	
30.09.81	1.240							30,0	
TOTAL KG:	20116	1933,1	8	518,1	581,0			33,0	
								801,0	

NAME OF PORT: Z

NUMBER OF VESSELS: J

TABLE : 10

CATCH PER HAUL -ALL SPECIES

MONTH: JULY

VESSEL:

(ZEEBRUGGE) DATE: 9.07.81

AREA: 0104

HAUL NUMBER	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
1	20	2,9	13	,9				2,0	
2	25								
3	20	2,0	9	,5	,6	,9			
4	20	20,5	51	,5				20,0	
5	20	10,0	33					10,0	
6	30	20,6	41	,6				20,0	
7	25	2,0	7					2,0	
TOTAL KG:	160	58,0	26	2,5	,6	,9		54,0	

TABLE : 11

CATCH PER DAY

MONTH: OCTOBER

PROTECTED SPECIES

AREA: 0104

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
1.10.81	20	127,8	86	19,0	19,0	,8	9,0	12,0	
5.10.81	550							68,0	
8.10.81	1.170	97,2	7		2,2		10,0	55,0	
14.10.81	1.348	264,3	16	32,7	189,5	,9	21,2	11,0	
15.10.81	940	281,5	23	27,7	225,0	,2	4,6	24,0	
18.10.81	735	271,0	26	13,1	117,9	,8	3,2	125,0	
21.10.81	1.045	123,5	10	2,2	16,9	,9	8,5	90,0	
25.10.81	1.025	143,0	12		27,5	,4	34,1	29,0	
26.10.81	1.145	192,6	14	4,4	15,3	2,4	33,5	26,0	
27.10.81	105	11,6	10		,6			11,0	
TOTAL KG:	8083	1512,5	15	99,1	613,9	6,4	124,1	383,0	
								286,0	

NAME OF PORT: ZEEBRUGGE

NUMBER OF VESSELS:

TABLE : 12

CATCH PER DAY

MONTH: NOVEMBER

PROTECTED SPECIES

AREA: 0102

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING		
2.11.81	1.610	145,1	8	,51	5,8	3,91	44,41	72,51	18,01
3.11.81	1.110	250,9	18	,41	14,1	1,41	112,01	32,01	91,01
4.11.81	638	172,4	21	,11	10,3	,91	84,11	25,01	52,01
5.11.81	280	45,0	13				35,01		10,01
8.11.81	785	72,3	8	,31	,9	,31	9,11	36,71	25,01
9.11.81	955	192,8	16	,31	12,5	16,91	55,11	62,01	46,01
12.11.81	1.225	209,0	14	1,31	17,2	5,31	40,21	86,01	59,01
15.11.81	638	177,0	21		8,0	1,01	23,01	117,01	28,01
19.11.81	1.170	159,9	12		11,5	13,11	41,01	75,01	19,31
TOTAL KG:	8411	1424,4	14	2,91	80,3	42,81	1443,91	506,21	348,31

NAME OF PORT: ZEEBRUGGE NUMBER OF VESSELS:

TABLE : 13

CATCH PER DAY

MONTH: DECEMBER

PROTECTED SPECIES

AREA: 0102

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING		
2.12.81	910	217,8	19		12,0	17,61	27,21	119,01	42,01
3.12.81	395	147,2	27	1,01	4,8	7,51	8,91	87,01	38,01
7.12.81	190	64,5	25			2,91	2,61	37,01	24,01
10.12.81	835	207,5	19		14,5	40,01	30,01	88,01	35,01
21.12.81	235	140,5	37		1,0	31,01	3,51	60,01	45,01
22.12.81	985	279,0	22		11,0	99,01	2,01	122,01	45,01
26.12.81	110	64,0	36						64,01
28.12.81	617	256,5	29		19,0	81,01	,51	44,01	112,01
29.12.81	43	30,5	41			17,01	1,51	12,01	
TOTAL KG:	4320	1409,5	24	1,01	62,3	296,01	76,21	569,01	405,01

NAME OF PORT: ZEEBRUGGE NUMBER OF VESSELS:

TABLE : 14

CATCH PER DAY

MONTH: JANUARY

PROTECTED SPECIES

AREA: 0104

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING		
2.01.82	200	29,0	12						29,01
7.01.82	772	209,5	21		16,0	91,01	21,01	46,01	35,51
12.01.82	498	96,0	16		13,0	20,01	1,01	7,01	55,01
13.01.82	165	79,0	32			18,01		6,01	55,01
14.01.82	305	98,0	24		10,0	16,01	1,01	3,01	68,01
17.01.82	558	289,0	34		10,0	221,01	2,01	16,01	40,01
19.01.82	402	182,3	31		9,0	106,01	4,31	51,01	12,01
21.01.82	245	109,0	30			65,01		23,01	21,01
24.01.82	250	47,0	15			47,01			
31.01.82	240	45,0	15					40,01	5,01
TOTAL KG:	3635	1183,8	24		58,0	584,01	29,31	192,01	320,51

NAME OF PORT: ZEEBRUGGE NUMBER OF VESSELS:

TABLE : 15

CATCH PER DAY

MONTH: FEBRUARY

PROTECTED SPECIES

AREA: 0206

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING		
1.02.82	773	244,2	24		7,0	75,01	26,21	120,01	16,01
2.02.82	115	44,0	27			33,01	6,01	5,01	
3.02.82	200	41,0	17			34,01		2,01	5,01
4.02.82	564	296,4	34		13,0	217,01	27,41	17,01	22,01
6.02.82	115	59,0	33			16,01	1,01	21,01	21,01
7.02.82	170	40,2	19	,11		31,01	4,11	5,01	
8.02.82	100	62,0	38			62,01			
9.02.82	285	68,1	19		6,0	37,01	7,11	8,01	10,01
10.02.82	532	156,0	22		7,0	110,01	5,01	15,01	19,01
11.02.82	492	95,1	16	,11	6,0	34,01	10,01	5,01	40,01
14.02.82	618	135,5	17	1,51	11,0	58,01	10,01	28,01	27,01
18.02.82	375	238,2	38	,11	8,0	170,01	21,11	20,01	19,01
21.02.82	130	35,0	21			25,01			10,01
22.02.82	170	125,0	42			100,01		25,01	
24.02.82	260	55,0	17			33,01		22,01	
25.02.82	165	28,3	14	2,31	1,0	17,01		8,01	
TOTAL KG:	5064	1723,0	25	4,11	59,0	11052,01	117,91	301,01	189,01

TABLE : 16

CATCH PER DAY

MONTH: MARCH

PROTECTED SPECIES

AREA: 0204

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING			
4.03.82	200	57,0	22						57,0	
7.03.82	160	83,0	34				38,0		10,0	35,0
8.03.82	140	39,0	21	8,0					20,0	10,0
16.03.82	55	33,0	37	1,0			5,0		27,0	
17.03.82	190	26,0	12	7,0					17,0	2,0
18.03.82	190	39,4	17	4,3	1,1	15,0			19,0	
21.03.82	450	49,6	9	15,9		8,7			9,0	16,0
22.03.82	338	144,5	29	38,1	3,3	8,1			15,0	80,0
23.03.82	295	44,3	13	28,8		4,5			11,0	
24.03.82	423	67,4	13	30,1	4,3	8,0			16,0	9,0
26.03.82	325	38,8	10	24,0	1,3	4,5			8,0	1,0
28.03.82	150	19,0	11	19,0						
29.03.82	163	151,0	48	12,5		3,5			14,0	121,0
30.03.82	100	154,3	60	7,1	1,3	,9			25,0	120,0
TOTAL KG:	3169	945,3	22	195,8	11,3	96,2			248,0	394,0

NAME OF PORT: ZEEBRUGGE

NUMBER OF VESSELS:

TABLE : 17

CATCH PER DAY

MONTH: APRIL

PROTECTED SPECIES

AREA: 0104

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING			
1.04.82	375	117,8	23	21,0	20,0	,8			46,0	30,0
4.04.82	420	63,2	13	13,5	3,2	1,5			6,0	39,0
5.04.82	325	95,1	22	10,8	6,1	2,6	,6		8,0	67,0
6.04.82	148	50,9	25	13,6	11,8	2,1	,4		22,0	1,0
13.04.82	385	46,0	10	5,0	5,0	1,0			4,0	31,0
14.04.82	355	67,0	15	12,9	6,0	1,1			31,5	15,5
15.04.82	265	48,7	15	7,3	1,0	1,4	1,0		8,0	30,0
18.04.82	280	34,2	10	13,3	,9	2,0	1,0		12,0	5,0
19.04.82	333	66,2	16	24,4	9,5	4,0	2,3		21,0	5,0
20.04.82	290	118,4	29	23,0	53,4	3,0	2,0		24,0	13,0
21.04.82	295	103,1	25	33,0	15,0	3,1	3,0		13,0	36,0
22.04.82	175	91,1	34	38,0	24,0	2,1	1,0		21,0	5,0
25.04.82	170	62,0	26	24,0	13,0	5,0			19,0	1,0
26.04.82	100	30,0	23	10,0	10,0					10,0
27.04.82	85	39,5	31	16,0	22,0	,5				1,0
TOTAL KG:	4001	1033,2	20	265,8	200,9	30,2	11,3		235,5	289,5

NAME OF PORT: ZEEBRUGGE

NUMBER OF VESSELS:

TABLE # 18

CATCH PER DAY

MONTH: MAY

PROTECTED SPECIES

AREA: 0103

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
5.05.81	104	77,5	42	3,2	9,6	4,9	7,2	52,6	
6.05.81	100	66,5	40	3,0	22,0	7,0	6,5	28,0	
7.05.81	67	40,3	37	2,8	11,5	19,0	2,0	5,0	
8.05.81	54	110,5	67	1,7	56,0	34,8	3,0	15,0	
11.05.81	57	287,5	83	9,5	244,0	34,0			
12.05.81	98	22,5	18	3,5	10,0	9,0			
13.05.81	77	29,0	27	5,0	14,5	5,0	4,5		
14.05.81	67	19,7	22	5,0	7,0	2,7	5,0		
15.05.81	81	6,5	7	1,0	3,0	1,5	1,0		
17.05.81	64	39,0	37	2,5	24,0	9,5	3,0		
18.05.81	66	34,0	34	1,0	12,0	12,0	9,0		
19.05.81	63	4,0	5		1,5	1,0	1,5		
20.05.81	105	9,0	7	3,0	1,0		5,0		
21.05.81	108	5,5	4	3,0			2,5		
22.05.81	99	7,5	7	2,5	1,0		4,0		
24.05.81	79	7,0	8	5,0	1,0		1,0		
26.05.81	108	35,5	24	3,5		2,0	14,0	16,0	
28.05.81	74	31,5	30	2,5		5,0	9,0	15,0	
29.05.81	67	21,5	24	5,5		3,0	1,5	11,5	
31.05.81	214	18,0	7	2,5			11,0	4,5	
TOTAL KG:	1752	872,5	33	65,7	418,1	150,4	90,7	147,6	

NAME OF PORT: 0

NUMBER OF VESSELS: 1

TABLE : 19

CATCH PER DAY

MONTH: JUNE

PROTECTED SPECIES

AREA: 0206

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
1.06.81	119	11,0	8	2,5		1,0		7,5	
2.06.81	48	20,5	30	2,0	3,0	1,0	2,5	12,0	
4.06.81	35	7,0	16	,5			4,0	2,5	
5.06.81	22	4,0	15					4,0	
8.06.81	105	15,5	12	,5		1,5	1,0	12,5	
12.06.81	170	17,5	9	1,5		4,5	,5	11,0	
14.06.81	73	7,5	9			1,5		6,0	
18.06.81	182	3,0	1	1,5				1,5	
19.06.81	98	11,5	10	2,0				9,5	
22.06.81	180	11,0	5	3,5	,5			7,0	
23.06.81	61	9,5	13	1,5				8,0	
24.06.81	156	10,5	6	1,5	,5			8,5	
30.06.81	17								
TOTAL KG:	1266	128,5	9	17,0	4,0	8,5	9,0	90,0	

NAME OF PORT: 0

NUMBER OF VESSELS: 1

TABLE : 20

CATCH PER DAY

MONTH: JULY

PROTECTED SPECIES

AREA: 0103

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
2.07.81	91	12,0	11	7,0				5,0	
5.07.81	136	14,0	9	5,5	2,0			6,5	
6.07.81	95	6,0	5	3,0				3,0	
12.07.81	94	9,5	9	3,5				6,0	
13.07.81	138	6,5	4	3,5				3,0	
14.07.81	88	13,0	12	2,0	2,5		2,5	6,0	
15.07.81	42	8,0	16	2,0	,5			5,5	
19.07.81	18	,5	2	,5					
20.07.81	28	3,0	9	1,5	1,5				
23.07.81	18	2,0	10	,5	1,5				
27.07.81	105	11,5	9	4,0	1,5			6,0	
28.07.81	82	7,5	8	2,0				5,5	
29.07.81	123	70,7	36	6,8	20,5		,1	43,3	
30.07.81	158	24,8	13	2,8	6,0			16,0	
31.07.81	112	8,6	7	1,6	2,0			5,0	
TOTAL KG:	1328	197,6	12	46,2	38,0		2,6	110,8	

NAME OF PORT: 0

NUMBER OF VESSELS: 1

TABLE : 21

CATCH PER DAY

MONTH: AUGUST

PROTECTED SPECIES

AREA: 0103

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
3.08.81	314	14,5	4	8,5				6,0	
4.08.81	272	21,6	7	6,6	8,0			7,0	
5.08.81	258	66,3	20	10,3	43,5			12,5	
6.08.81	162	12,1	6	6,6				5,5	
7.08.81	215	43,5	16	13,3	8,2			22,0	
9.08.81	183	19,9	9	8,4				11,5	
10.08.81	146	27,1	15	6,5	,6			20,0	
11.08.81	287	61,2	17	14,7	10,0			36,5	
12.08.81	289	73,9	20	13,4	5,5	1,0		54,0	
13.08.81	368	79,5	17	13,2	3,8			62,5	
14.08.81	265	59,3	18	13,4	10,9	1,0		34,0	
17.08.81	102	15,6	13	2,6	3,0			10,0	
19.08.81	92	18,7	17	3,7				15,0	
19.08.81	50	13,7	21	1,3	2,4			10,0	
23.08.81	137	19,0	12	9,5	9,5				
24.08.81	147	9,0	5	8,0				1,0	
25.08.81	132	38,5	22	11,5	3,5			23,5	
26.08.81	269	42,5	13	17,0	4,5			21,0	
27.08.81	265	44,0	14	21,5			4,5	18,0	
28.08.81	402	85,1	17	27,1	1,0			57,0	
30.08.81	461	117,3	20	29,6	9,7			78,0	
31.08.81	175	43,8	20	5,9	7,9			30,0	
TOTAL KG: 1	4991	926,1	15	252,6	132,0	2,0	4,5	535,0	

NAME OF PORT: 0

NUMBER OF VESSELS: 2

TABLE : 22

CATCH PER DAY

MONTH: SEPTEMBER

PROTECTED SPECIES

AREA: 0104

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING		
1.09.81	267	56,6	17	8,6				48,0	
2.09.81	175	80,5	31	1,5	41,0			38,0	
3.09.81	427	109,5	20	6,5	73,0			30,0	
4.09.81	625	78,0	11	18,0	10,0			50,0	
6.09.81	1.005	59,0	5	6,0	3,0			50,0	
7.09.81	839	76,0	8	6,0	20,0			50,0	
8.09.81	433	68,2	13	10,7	3,5		1,0	53,0	
9.09.81	649	34,0	4	7,5	6,5		5,0	15,0	
10.09.81	526	76,5	12	7,5	32,0	3,0	4,0	30,0	
11.09.81	286	98,5	25	4,5	43,0		15,0	36,0	
14.09.81	226	57,8	20	6,8	31,0			20,0	
15.09.81	348	86,0	19	5,0	33,0	5,0	5,0	35,0	
16.09.81	431	136,0	23	7,0	51,0	17,0	31,0	30,0	
17.09.81	380	189,8	33	9,8	54,0	32,0	34,0	60,0	
18.09.81	125	53,5	30	3,5	7,0		3,0	40,0	
20.09.81	330	101,2	23	1,2	48,0	2,0	3,0	45,0	
21.09.81	441	125,1	22	15,8	42,5	13,0		45,0	
22.09.81	456	183,3	28	11,8	62,0	7,0	23,0	78,0	
23.09.81	511	63,4	11	6,9	5,0		2,0	49,5	
24.09.81	245	75,0	23		33,0	10,0		30,0	
25.09.81	225	235,5	51	1,5	121,0	34,0	8,0	58,0	
27.09.81	305	51,9	14	,9	15,0			30,0	
28.09.81	340	117,0	25	2,0	23,0	4,0	9,0	75,0	
29.09.81	265	225,3	45	2,3	98,0	44,0	12,0	55,0	
30.09.81	305	72,8	19	,8	18,0	5,0	7,0	35,0	
TOTAL KG: 1	10165	2510,4	19	152,1	873,5	176,0	161,0	62,3	1085,5

NAME OF PORT: 0

NUMBER OF VESSELS: 2

TABLE : 23

CATCH PER DAY

MONTH: OCTOBER

PROTECTED SPECIES

AREA: 0208

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IFLAICE	DAB	IWHI- TING	COD	OTHERS
1.10.81	260	112,4	30	,4	51,0	18,0	10,0	9,0	24,0
5.10.81	430	74,0	14		24,0	5,0	8,0	23,0	14,0
14.10.81	440	134,0	23		18,0		83,0	18,0	15,0
15.10.81	427	225,0	34	,5	32,5	37,0	111,5	28,0	15,5
16.10.81	350	289,8	45	,8	101,0	12,0	119,0	9,0	48,0
18.10.81	794	270,5	25	2,5	49,0	5,0	64,5	108,0	41,5
21.10.81	624	289,0	31	2,5	4,5	3,0	137,0	115,5	26,5
23.10.81	1.047	393,0	27	3,0	41,0	9,0	146,0	183,5	10,5
25.10.81	546	273,0	33		49,0	2,0	150,0	72,0	
26.10.81	812	296,5	26		46,5	1,0	139,5	99,5	10,0
27.10.81	512	150,5	22		7,0	,5	101,0	26,0	16,0
28.10.81	360	197,0	35		34,0		120,0	18,0	25,0
29.10.81	536	298,0	33	3,0	20,5	3,0	149,5	102,0	20,0
30.10.81	431	340,5	44	1,5		2,0	230,0	92,0	15,0
TOTAL KG:	7619	3343,2	30	14,2	478,0	97,5	1569,0	903,5	281,0

NAME OF PORT: OOSTENDE

NUMBER OF VESSELS:

TABLE : 24

CATCH PER DAY

MONTH: NOVEMBER

PROTECTED SPECIES

AREA: 0103

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IFLAICE	DAB	IWHI- TING	COD	OTHERS
2.11.81	775	255,0	24	1,5	1,0	4,5	116,0	117,0	15,0
3.11.81	617	247,0	28	1,5	7,0	6,5	131,0	81,0	20,0
4.11.81	360	87,0	19		13,0	4,0	60,0	5,0	5,0
5.11.81	255	42,0	14		4,0		35,0	3,0	
7.11.81	315	140,0	30		7,0	2,0	82,0	34,0	15,0
8.11.81	553	149,0	21	5,5	8,5	2,0	89,5	38,5	5,0
9.11.81	557	239,5	30	,5	9,0	7,5	85,0	120,0	17,5
12.11.81	823	318,0	27	1,5	20,0	22,5	117,5	121,0	35,5
15.11.81	604	293,0	32		27,0	58,5	97,5	74,0	36,0
16.11.81	180	115,0	38		8,0	23,0	71,0	3,0	10,0
17.11.81	255	147,0	36		32,0	29,0	45,0	16,0	25,0
18.11.81	263	50,5	16		7,0	11,5	28,5	2,0	1,5
19.11.81	439	324,0	42		50,5	32,5	117,0	115,0	9,0
22.11.81	215	192,0	47		35,0	37,0	87,0	33,0	
26.11.81	200	133,5	40		14,0	11,5	76,0	32,0	
TOTAL KG:	6411	2732,5	29	10,5	243,0	252,0	1238,0	794,5	194,5

NAME OF PORT: OOSTENDE

NUMBER OF VESSELS:

TABLE : 25

CATCH PER DAY

MONTH: DECEMBER

PROTECTED SPECIES

AREA: 0205

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG.PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IFLAICE	DAB	IWHI- TING	COD	OTHERS
2.12.81	350	90,5	20		5,5		80,0	5,0	
3.12.81	312	179,5	36			12,5	10,0	152,0	5,0
6.12.81	185	100,0	35		35,0	15,0	25,0	15,0	10,0
7.12.81	428	193,5	31		53,0	19,5	71,0	29,0	21,0
8.12.81	104	28,0	21			2,0	1,5	22,5	2,0
9.12.81	185	151,0	44		31,0		53,0	42,0	25,0
10.12.81	511	227,0	30	1,0	10,0	50,0	63,0	68,0	35,0
11.12.81	52	12,0	18					8,5	3,5
17.12.81	150	112,0	42		29,0	15,0	35,0	18,0	15,0
20.12.81	85	90,0	51		23,0	10,0	25,0	12,0	20,0
21.12.81	140	187,0	57		30,0	33,0	40,0	34,0	50,0
22.12.81	105	91,0	46		7,0	40,0	20,0	9,0	15,0
27.12.81	105	71,0	40		13,0	17,0	14,0	7,0	20,0
28.12.81	169	140,5	45		7,0	13,0	65,0	27,0	28,5
29.12.81	202	128,0	38		35,0	4,0	16,0	16,0	57,0
TOTAL KG:	3083	1801,0	36	1,0	278,5	231,0	518,5	465,0	307,0

NAME OF PORT: OOSTENDE

NUMBER OF VESSELS:

TABLE : 26

CATCH PER DAY

MONTH: JANUARY

PROTECTED SPECIES

AREA: 0206

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
4.01.82	110	188,0	63		63,0	16,0	35,0	29,0	45,0
7.01.82	328	320,5	49		59,0	48,0	61,5	101,0	51,0
12.01.82	150	138,0	47		30,0	28,0	45,0	5,0	30,0
13.01.82	242	192,0	44		30,5	35,0	38,0	68,0	20,5
14.01.82	164	168,5	50		43,0	41,0	41,0	25,0	18,5
17.01.82	136	31,5	18		3,0	9,0	2,0	11,5	6,0
22.01.82	172	50,0	22			11,5	5,0	26,0	7,5
24.01.82	182	36,0	16			6,5	5,5	11,0	13,0
25.01.82	56	17,0	23			1,5	1,0	11,0	3,5
31.01.82	165	26,0	13			5,5	1,5	10,0	9,0
TOTAL KG:	1705	1167,5	40		228,5	202,0	235,5	297,5	204,0

NAME OF PORT: OOSTENDE NUMBER OF VESSELS:

TABLE : 27

CATCH PER DAY

MONTH: FEBRUARY

PROTECTED SPECIES

AREA: 0206

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
1.02.82	133	26,0	16			6,5	4,0	8,0	7,5
2.02.82	16	5,0	23			2,0			3,0
8.02.82	30	19,8	40		6,1	2,0	11,0	1,7	1,5
9.02.82	87	69,0	44		1,5	8,5	19,0	7,5	20,0
10.02.82	100	72,0	41		2,0	7,0	10,0	11,0	19,0
11.02.82	99	68,6	41		1,6	8,0	11,0	12,0	15,0
13.02.82	76	60,0	44			31,0	9,0	5,0	4,0
14.02.82	60	25,5	30			3,5	7,5		2,5
15.02.82	16	75,0	82		2,5	4,5	5,0	7,0	28,0
23.02.82	39	62,0	61			12,5	19,5	1,5	9,5
25.02.82	73	206,5	74			5,5	20,5		4,5
TOTAL KG:	729	689,4	48		8,2	82,5	121,0	49,7	112,0

NAME OF PORT: OOSTENDE NUMBER OF VESSELS:

TABLE : 28

CATCH PER DAY

MONTH: MARCH

PROTECTED SPECIES

AREA: 0312

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
8.03.82	207	94,5	31		1,5	9,5	14,0	4,5	
9.03.82	69	28,0	28			2,0	3,5	1,5	2,0
TOTAL KG:	276	122,5	30		1,5	11,5	17,5	6,0	2,0

NAME OF PORT: OOSTENDE NUMBER OF VESSELS:

TABLE : 29

CATCH PER DAY

MONTH: APRIL

PROTECTED SPECIES

AREA: 0205

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
2.04.82	16	7,0	30		1,5				1,5
14.04.82	157	60,5	27		7,0	10,5			18,0
15.04.82	118	30,0	20		5,5	3,5			8,0
19.04.82	111	27,0	19		3,5	6,5			6,5
20.04.82	113	40,5	24		7,5	4,5			6,5
21.04.82	88	46,0	34		7,5	5,5			15,0
22.04.82	155	40,5	20		3,0	6,0	5,0		7,0
27.04.82	109	66,0	37		31,0	6,5	2,5		7,5
28.04.82	177	23,5	11		13,0				5,5
TOTAL KG:	1044	341,0	24		79,5	43,0	7,5		70,5

NAME OF PORT: OOSTENDE NUMBER OF VESSELS:

TABLE : 30

CATCH PER DAY

MONTH: JUNE

PROTECTED SPECIES

AREA: 0205

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB WHI- TING		
14.06.81	128	6,5	4	2,0	,2	3,5		,8
18.06.81	100	10,1	9	6,7	1,6			1,8
19.06.81	155	2,5	1	2,5				
22.06.81	83	18,2	18	,6	17,6			
23.06.81	140	1,0		,6	,4			
24.06.81	140	,5			,5			
29.06.81	17							
30.06.81	130	,7		,3				,4
TOTAL KG:1	893	39,5	4	12,7	20,3	3,5		3,0

NAME OF PORT: X

NUMBER OF VESSELS: 1

TABLE : 31

CATCH PER DAY

MONTH: JULY

PROTECTED SPECIES

AREA: 0207

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB WHI- TING		
1.07.81	125	1,5	1	1,2	,3			
2.07.81	105	1,0		1,0				
5.07.81	115	,3		,3				
6.07.81	190	,2		,2				
7.07.81	175	,7		,5	,2			
8.07.81	105	6,5	5		6,5			
19.07.81	109	2,5	2	1,0	1,5			
21.07.81	40	,4	1	,4				
TOTAL KG:1	964	13,1	1	4,6	8,5			

NAME OF PORT: X

NUMBER OF VESSELS: 1

TABLE : 32

CATCH PER DAY

MONTH: AUGUST

PROTECTED SPECIES

AREA: 0205

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB WHI- TING		
3.08.81	115	9,2	7	9,2				
4.08.81	100	,5		,5				
5.08.81	135	11,6	7	11,6				
9.08.81	125	5,6	4	5,6				
11.08.81	170	44,0	20	42,0	2,0			
12.08.81	230	20,0	8	20,0				
13.08.81	290	6,0	2	6,0				
18.08.81	170							
21.08.81	290	35,0	10	35,0				
23.08.81	540	120,9	18	111,0	8,7			1,2
24.08.81	400	50,5	11	50,0	,5			
25.08.81	460	53,0	10	47,0	5,0			1,0
26.08.81	455	32,0	6	29,0	3,0			
27.08.81	487	55,0	10	54,0	1,0			
28.08.81	375	42,0	10	41,0	1,0			
30.08.81	353	64,5	15	64,0	,5			
31.08.81	268	52,0	16	49,0	3,0			
TOTAL KG:1	4963	601,8	10	574,9	24,7			2,2

NAME OF PORT: X

NUMBER OF VESSELS: 2

TABLE : 33

CATCH PER DAY

MONTH: SEPTEMBER

PROTECTED SPECIES

AREA: 0207

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB WHI- TING		
1.09.81	88	43,0	32	43,0				
2.09.81	140	48,0	25	44,0	4,0			
3.09.81	90	33,0	26	25,0	8,0			
4.09.81	155	37,0	19	28,0	9,0			
7.09.81	75	21,0	21	19,0	2,0			
TOTAL KG:1	548	182,0	24	159,0	23,0			

NAME OF PORT: X

NUMBER OF VESSELS: 2

TABLE : 34

CATCH PER DAY

MONTH: MARCH

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3202			
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB (WHI- TING)	COD (OTHERS)
17.03.81	607	109.0	15			17.0	92.0
19.03.81	305	62.0	16		14.0		48.0
24.03.81	397	51.0	11				48.0 3.0
25.03.81	429	97.0	18				97.0
27.03.81	760	80.0	9		40.0		40.0
30.03.81	466	183.0	28	6.0	100.0		77.0
31.03.81	343	131.0	27	6.0	49.0	6.0	69.0 1.0
TOTAL KG:	3307	713.0	17	12.0	203.0	23.0	471.0 4.0

Number of Vessels : 2

TABLE : 35

CATCH PER DAY

MONTH: APRIL

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3202			
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB (WHI- TING)	COD (OTHERS)
1.04.81	166	83.0	33	6.0	38.0	11.0	26.0 2.0
2.04.81	674	147.0	17	4.0	64.0	10.0	67.0 2.0
6.04.81	105	3.0	2	3.0			
7.04.81	592	97.0	14		26.0		70.0 1.0
8.04.81	187	28.0	13		28.0		
10.04.81	553	37.0	6		24.0		13.0
13.04.81	519	39.0	6		1.0	34.0	3.0 1.0
14.04.81	381	2.0			1.0		1.0
15.04.81	347	120.0	25	3.0	71.0		44.0 2.0
16.04.81	329	2.0		2.0			
20.04.81	150	23.0	13	1.0	21.0		1.0
21.04.81	186						
22.04.81	298	15.0	4	1.0	12.0		2.0
23.04.81	185	74.0	28	12.0	19.0	8.0	35.0
24.04.81	331	65.0	16		34.0	10.0	21.0
27.04.81	269	156.0	36	4.0	64.0	10.0	6.0 72.0
28.04.81	343	85.0	19	1.0	77.0		6.0 1.0
29.04.81	208	79.0	27	1.0	53.0	9.0	16.0
30.04.81	90						
TOTAL KG:	5913	1055.0	15	38.0	533.0	82.0 10.0	272.0 120.0

Number of Vessels : 4

TABLE : 36

CATCH PER DAY

MONTH: MAY

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3201			
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB (WHI- TING)	COD (OTHERS)
4.05.81	216	94.0	30	5.0	65.0	7.0 17.0	
6.05.81	303	154.0	33	5.0	24.0	8.0 24.0	93.0
7.05.81	111	41.0	26	1.0	18.0	8.0 9.0	5.0
8.05.81	339	61.0	15	8.0	19.0	5.0 23.0	6.0
11.05.81	293	410.0	58	13.0	64.0	15.0 16.0	302.0
12.05.81	133	187.0	58	18.0	145.0	14.0 2.0	8.0
13.05.81	188	129.0	40	17.0	76.0	13.0 13.0	6.0 4.0
14.05.81	291	79.0	21	19.0	26.0	4.0 14.0	8.0 8.0
15.05.81	121	33.0	21	13.0	12.0		8.0
18.05.81	410	92.0	18	22.0	31.0	8.0 26.0	5.0
19.05.81	268	167.0	38	9.0	58.0	15.0 20.0	65.0
20.05.81	214	138.0	39	20.0	67.0	16.0 26.0	9.0
21.05.81	243	271.0	52	15.0	141.0	30.0 33.0	52.0
22.05.81	237	67.0	22	18.0	30.0	8.0 10.0	1.0
25.05.81	286	80.0	21	16.0	24.0	5.0 31.0	4.0
26.05.81	243	59.0	19	12.0	23.0	21.0	3.0
27.05.81	175	31.0	15	8.0	10.0	2.0 6.0	5.0
29.05.81	464	61.0	11	24.0	21.0	10.0	6.0
TOTAL KG:	4535	2154.0	32	243.0	854.0	158.0 301.0	14.0 584.0

Number of Vessels : 3

TABLE : 37

CATCH PER DAY

MONTH: JUNE

VESSEL: (BROCKENS)		PROTECTED SPECIES		AREA: 3201				
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE (PLAICE)	DAB (WHI- TING)			
1.06.81	250	128.0	33	9.01	32.01	7.01	23.01	57.01
2.06.81	249	75.0	23	18.01	22.01	8.01	23.01	4.01
3.06.81	203	60.0	22	29.01	16.01	10.01	4.01	1.01
4.06.81	117	134.0	53	19.01	31.01	5.01		79.01
5.06.81	96	18.0	15	10.01	8.01			
9.06.81	158	211.0	57	20.01	12.01			179.01
11.06.81	309	39.0	11	28.01	7.01		4.01	
12.06.81	155	46.0	22	11.01				35.01
15.06.81	379	83.0	17	15.01	13.01			55.01
16.06.81	274	126.0	31	31.01	20.01		15.01	11.01
17.06.81	276	108.0	28	13.01	2.01			93.01
19.06.81	272	48.0	15	12.01				36.01
22.06.81	420	119.0	22	7.01		18.01		94.01
23.06.81	488	78.0	13	7.01	2.01		21.01	48.01
24.06.81	437	66.0	13	7.01	2.01		6.01	1.01
25.06.81	303	14.0	4	14.01				
26.06.81	299	30.0	9	7.01	7.01			16.01
29.06.81	332	100.0	23					100.01
30.06.81	83	5.0	5	5.01				
TOTAL KG:	5100	1488.0	22	262.01	174.01	30.01	114.01	12.01

Number of Vessels : 4

TABLE : 38

CATCH PER DAY

MONTH: JULY

VESSEL: (BROCKENS)		PROTECTED SPECIES		AREA: 3201				
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE (PLAICE)	DAB (WHI- TING)			
1.07.81	495	38.0	7	4.01	4.01		9.01	21.01
2.07.81	377	32.0	7	13.01	17.01			2.01
3.07.81	287	53.0	15	10.01	8.01		8.01	27.01
6.07.81	350	66.0	15	8.01	25.01	6.01	6.01	21.01
7.07.81	355	47.0	11	5.01	4.01			38.01
8.07.81	356	36.0	9	17.01	18.01			1.01
9.07.81	170	20.0	10	13.01	7.01			
13.07.81	360	37.0	9	11.01	9.01	1.01		16.01
14.07.81	365	18.0	4	9.01	8.01			1.01
15.07.81	315	34.0	9	11.01	23.01			
16.07.81	346	27.0	7	10.01	5.01			12.01
20.07.81	592	28.0	4	13.01	14.01			1.01
21.07.81	753	20.0	2	10.01	8.01			2.01
22.07.81	543	20.0	3	14.01	6.01			
23.07.81	535	9.0	1	9.01				
24.07.81	332							
27.07.81	639	61.0	8	35.01	22.01			4.01
28.07.81	439	64.0	12	22.01	18.01			24.01
29.07.81	413	65.0	13	35.01	11.01			19.01
30.07.81	464	52.0	10	29.01	8.01			15.01
31.07.81	171	8.0	4	8.01				
TOTAL KG:	8657	735.0	7	286.01	215.01	7.01	23.01	204.01

Number of Vessels : 5

TABLE : 39

CATCH PER DAY

MONTH: AUGUST

VESSEL: (BROCKENS)		PROTECTED SPECIES		AREA: 3201				
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES			COD	OTHERS
		BY-CATCH KG	FISH %	SOLE (PLAICE)	DAB (WHI- TING)			
3.08.81	582	76.0	11	31.01	44.01			1.01
4.08.81	426	41.0	8	13.01	18.01			10.01
5.08.81	459	32.0	6	15.01	2.01			15.01
6.08.81	319	11.0	3	10.01				1.01
7.08.81	183	16.0	8	7.01	8.01			1.01
10.08.81	372	53.0	12	33.01	18.01			2.01
12.08.81	364	40.0	9	14.01	22.01	2.01		2.01
13.08.81	258	19.0	6	18.01				1.01
14.08.81	317	23.0	6	14.01	8.01			1.01
17.08.81	490	45.0	8	37.01	6.01			2.01
18.08.81	210	39.0	15	30.01	9.01			
19.08.81	722	50.0	6	41.01	9.01			
20.08.81	441	19.0	4	19.01				
21.08.81	146	6.0	3	6.01				
24.08.81	898	46.0	4	35.01	11.01			
25.08.81	833	27.0	3	19.01	7.01			1.01
26.08.81	600	37.0	5	21.01	2.01		2.01	12.01
27.08.81	1193	31.0	2	18.01	12.01			1.01
28.08.81	442	27.0	5	21.01	6.01			
31.08.81	705	44.0	5	32.01	12.01			
TOTAL KG:	9960	682.0	6	434.01	194.01	2.01	2.01	50.01

TABLE : 40

CATCH PER DAY

MONTH: SEPTEMBER

VESSEL: (BRESKENS) PROTECTED SPECIES AREA: 3201									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
1.09.81	621	41.0	4	30.0	11.0				
2.09.81	645	55.0	7	44.0	11.0				
3.09.81	683	69.0	9	27.0	40.0				2.0
4.09.81	501	7.0	1	7.0					
7.09.81	354	30.0	7	20.0	10.0				
8.09.81	542	43.0	7	31.0	12.0				
9.09.81	399	32.0	7	9.0	23.0				
10.09.81	576	93.0	13	29.0	63.0				1.0
11.09.81	184	9.0	4	9.0					
14.09.81	799	141.0	15	74.0	63.0				4.0
15.09.81	835	168.0	16	75.0	85.0			4.0	4.0
16.09.81	791	133.0	14	60.0	70.0				3.0
17.09.81	742	56.0	7	29.0	18.0				9.0
18.09.81	492	58.0	10	27.0	24.0				7.0
21.09.81	1339	80.0	5	41.0	21.0	4.0		8.0	6.0
22.09.81	1209	77.0	5	30.0	26.0	4.0		13.0	4.0
23.09.81	1402	97.0	6	33.0	34.0	4.0		25.0	1.0
24.09.81	1184	65.0	5	31.0	6.0			27.0	1.0
25.09.81	527	5.0		5.0					
28.09.81	1480	97.0	6	61.0	12.0		7.0	13.0	4.0
29.09.81	1561	137.0	8	32.0	27.0	8.0	33.0	33.0	4.0
30.09.81	1217	239.0	16	54.0	90.0	27.0	21.0	30.0	17.0
TOTAL KG:	18283	1732.0	8	758.0	646.0	47.0	61.0	153.0	67.0

Number of Vessels : 4

TABLE : 41

CATCH PER DAY

MONTH: OCTOBER

VESSEL: (BRESKENS) PROTECTED SPECIES AREA: 3201									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
1.10.81	736	80.0	9	28.0	9.0		20.0	18.0	5.0
2.10.81	750	79.0	9	37.0	14.0		18.0		10.0
5.10.81	2219	80.0	3	33.0			15.0	31.0	1.0
6.10.81	1899	85.0	4	21.0			41.0	21.0	2.0
7.10.81	1016	24.0	2	15.0				9.0	
8.10.81	1608	63.0	3	21.0			7.0	35.0	
9.10.81	323	173.0	34	65.0			22.0	72.0	14.0
12.10.81	1671	261.0	13	23.0	28.0		23.0	168.0	19.0
13.10.81	562	73.0	11	6.0	7.0		12.0	48.0	
14.10.81	1332	215.0	13	52.0	36.0		22.0	105.0	
15.10.81	744	301.0	28	36.0	66.0	20.0	33.0	81.0	65.0
16.10.81	729	70.0	8				57.0	4.0	9.0
19.10.81	1176	184.0	13	5.0	6.0	12.0	75.0	86.0	
20.10.81	897	54.0	5	1.0			31.0	20.0	2.0
21.10.81	1461	119.0	7				45.0	74.0	
22.10.81	523	35.0	6				35.0		
23.10.81	909	76.0	7			2.0	30.0	44.0	
26.10.81	1444	413.0	22	1.0	36.0	4.0	108.0	258.0	6.0
27.10.81	1453	221.0	13	3.0	24.0		53.0	133.0	8.0
28.10.81	1175	155.0	11	2.0	13.0		32.0	106.0	2.0
29.10.81	596	115.0	16		10.0			90.0	15.0
30.10.81	150	23.0	13					23.0	
TOTAL KG:	23373	2899.0	11	349.0	249.0	38.0	679.0	1426.0	158.0

TABLE : 42 CATCH PER DAY MONTH: NOVEMBER

VESSEL: (BRESKENS) PROTECTED SPECIES AREA: 3201

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
2.11.81	1435	121,0	7		5,0		40,0	76,0	
3.11.81	1324	187,0	12		13,0	13,0	51,0	62,0	48,0
4.11.81	1313	162,0	10		20,0		50,0	44,0	40,0
5.11.81	809	172,0	17				92,0	79,0	1,0
6.11.81	574	97,0	14				40,0	28,0	29,0
7.11.81	315	197,0	38			29,0		20,0	148,0
9.11.81	1302	150,0	10		7,0	5,0	59,0	79,0	
10.11.81	1019	143,0	12		9,0	3,0	36,0	74,0	21,0
11.11.81	685	45,0	6		6,0		11,0	28,0	
12.11.81	509	155,0	23			1,0	4,0	76,0	74,0
16.11.81	630	131,0	17		6,0		29,0	96,0	
17.11.81	308	29,0	8					29,0	
18.11.81	597	119,0	16			7,0	10,0	47,0	55,0
19.11.81	216	154,0	41			28,0		18,0	108,0
20.11.81	1416	353,0	19		12,0		89,0	252,0	
23.11.81	830	85,0	9	1,0		7,0	21,0	56,0	
24.11.81	335	51,0	13					39,0	12,0
25.11.81	445	23,0	4					23,0	
26.11.81	571	137,0	19				13,0	108,0	16,0
27.11.81	160	19,0	10					19,0	
30.11.81	575	97,0	14				5,0	81,0	11,0
TOTAL KG:	15368	2627,0	14	1,0	78,0	93,0	550,0	1334,0	571,0

TABLE : 43 CATCH PER DAY MONTH: DECEMBER

VESSEL: (BRESKENS) PROTECTED SPECIES AREA: 3201

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
1.12.81	554	238,0	30				9,0	154,0	75,0
2.12.81	927	136,0	14				31,0	34,0	71,0
3.12.81	831	283,0	25				17,0	128,0	138,0
4.12.81	145	21,0	12					21,0	
7.12.81	656	239,0	26			52,0		122,0	65,0
8.12.81	691	100,0	12			21,0		49,0	30,0
10.12.81	737	207,0	21			37,0	15,0	75,0	80,0
15.12.81	565	33,0	5		5,0			24,0	4,0
16.12.81	482	194,0	28			28,0		84,0	82,0
18.12.81	637	268,0	29			32,0	9,0	188,0	39,0
22.12.81	384	325,0	45		5,0	40,0	16,0	199,0	65,0
29.12.81	50	221,0	81		11,0	32,0		89,0	89,0
TOTAL KG:	6559	2265,0	25		21,0	242,0	97,0	1167,0	738,0

TABLE : 44 CATCH PER DAY MONTH: JANUARY

VESSEL: (BRESKENS) PROTECTED SPECIES AREA: 3201

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	PLAICE	DAB	WHI- TING	COD	OTHERS
5.01.82	444	166,0	27		5,0	15,0	14,0	78,0	54,0
13.01.82	81	53,0	39					35,0	18,0
15.01.82	32	16,0	33						16,0
19.01.82	140	32,0	18						32,0
25.01.82	212	70,0	24		7,0	58,0	5,0		
TOTAL KG:	1214	616,0	33		40,0	110,0	50,0	263,0	153,0

TABLE : 45 - CATCH PER DAY MONTH: FEBRUARY

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3201					
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
2.02.821	163	13,0	7						13,0
4.02.821	414	144,0	25			111,0	33,0		
9.02.821	760	211,0	21		63,0	30,0	39,0	79,0	
11.02.821	887	250,0	21		30,0	95,0	21,0	104,0	
16.02.821	869	127,0	12			52,0	14,0	61,0	
17.02.821	564	108,0	16			45,0	15,0	48,0	
18.02.821	463	89,0	16		9,0	52,0		28,0	
19.02.821	162	92,0	36			92,0			
21.02.821	102								
22.02.821	297	58,0	16			28,0		30,0	
23.02.821	575	440,0	43		20,0	230,0	31,0	150,0	1,0
25.02.821	460	92,0	16		9,0	52,0		30,0	1,0
TOTAL KG:	5716	1624,0	22		131,0	795,0	153,0	530,0	15,0

TABLE : 46 CATCH PER DAY MONTH: MARCH

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3201					
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
3.03.821	128	24,0	15					24,0	
5.03.821	251	21,0	7					21,0	
8.03.821	355	12,0	3			7,0		5,0	
9.03.821		52,0						52,0	
10.03.821	290								
12.03.821	178	23,0	11					23,0	
15.03.821	180	6,0	3					6,0	
16.03.821	535	33,0	5	2,0				31,0	
17.03.821	64	4,0	5	4,0					
18.03.821	985	59,0	5	5,0				54,0	
19.03.821	329	3,0		3,0					
22.03.821	560	27,0	4	5,0	6,0			14,0	2,0
23.03.821	809	95,0	10	3,0				92,0	
25.03.821	587	45,0	7	18,0					27,0
26.03.821	460	108,0	19	28,0				80,0	
30.03.821	480	300,0	38	22,0		7,0		157,0	114,0
TOTAL KG:	6191	812,0	11	96,0	6,0	14,0		559,0	143,0

TABLE : 47 CATCH PER DAY MONTH: APRIL

VESSEL: (BRESKENS)		PROTECTED SPECIES		AREA: 3201					
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- TING	COD	OTHERS
2.04.821	629	158,0	20	27,0				87,0	44,0
3.04.821	3820	62,0	1	26,0		10,0	18,0	4,0	4,0
4.04.821	1530	25,0	1	12,0		6,0	6,0		1,0
5.04.821	556	22,0	3	19,0		3,0			
6.04.821	589	109,0	15	14,0				57,0	38,0
7.04.821	401	31,0	7	31,0					
9.04.821	363	212,0	36	32,0				6,0	174,0
13.04.821	293	94,0	24	40,0				53,0	1,0
14.04.821	167	31,0	15	13,0				18,0	
15.04.821	130	48,0	26	15,0				33,0	
16.04.821	203	63,0	25	10,0	3,0			20,0	35,0
19.04.821	247	98,0	28	31,0				14,0	53,0
20.04.821	643	94,0	12	47,0		5,0		29,0	13,0
21.04.821	405	94,0	18	47,0				34,0	13,0
22.04.821	398	55,0	12	37,0			7,0	10,0	1,0
23.04.821	169	12,0	6	11,0					1,0
24.04.821	350	73,0	17	46,0		4,0	12,0	7,0	2,0
28.04.821	408	52,0	11	37,0		8,0			7,0
29.04.821	408	29,0	4	28,0					1,0
TOTAL KG:	11729	1367,0	10	523,0	3,0	38,0	43,0	372,0	388,0

TABLE : 48

CATCH PER DAY

MONTH: MARCH

VESSEL: (COLIJNSPLAAT)		PROTECTED SPECIES		AREA: 3202	
DATE	SHRIMPS KG.	TOTAL BY-CATCH FISH KG %	BY-CATCH IN KG. PER SPECIES SOLE I PLAICE	DAB I WHI- TING	COD I OTHERS
3.03.81	1509	250,0 14		67,01	183,01
5.03.81	2020	570,0 22		63,01	477,01 30,01
10.03.81	726	114,0 13	1,01	8,01	105,01
12.03.81	454	79,0 14		6,01 2,01	71,01
17.03.81	997	136,0 12		18,01	118,01
19.03.81	995	50,0 4	4,01	6,01	40,01
24.03.81	1064	213,0 16		12,01	148,01 53,01
25.03.81	815	63,0 7			36,01 27,01
28.03.81	969	170,0 14		5,01	165,01
31.03.81	1111	144,0 11	1,01	20,01	118,01 5,01
TOTAL KG:	10659	1789,0 14	6,01	205,01 2,01	1461,01 115,01

Number of Vessels : 2

TABLE : 49

CATCH PER DAY

MONTH: APRIL

VESSEL: (COLIJNSPLAAT)		PROTECTED SPECIES		AREA: 3202	
DATE	SHRIMPS KG.	TOTAL BY-CATCH FISH KG %	BY-CATCH IN KG. PER SPECIES SOLE I PLAICE	DAB I WHI- TING	COD I OTHERS
2.04.81	325	431,0 57	295,01 32,01		91,01 13,01
9.04.81	1794	34,0 1	2,01		22,01 10,01
14.04.81	780	41,0 4	1,01		31,01 9,01
16.04.81	1265	95,0 6	3,01		9,01 72,01 11,01
23.04.81	954	57,0 5	1,01	2,01	47,01 7,01
28.04.81	245	105,0 30	26,01 7,01		51,01 21,01
29.04.81	1178	55,0 4	1,01	2,01 1,01	27,01 15,01 9,01
30.04.81	908	190,0 17	5,01 6,01	2,01	23,01 154,01
TOTAL KG:	7449	1008,0 11	334,01 47,01	3,01 38,01	352,01 234,01

Number of Vessels : 2

TABLE : 50

CATCH PER DAY

MONTH: MAY

VESSEL: (COLIJNSPLAAT)		PROTECTED SPECIES		AREA: 3202		
DATE	SHRIMPS KG.	TOTAL BY-CATCH FISH KG %	BY-CATCH IN KG. PER SPECIES SOLE I PLAICE	DAB I WHI- TING	COD I OTHERS	
5.05.81	124	252,0 67	2,01 3,01		68,01 179,01	
7.05.81	1203	268,0 18	5,01 5,01	21,01	69,01 168,01	
12.05.81	995	215,0 17	4,01	9,01	47,01 155,01	
14.05.81	1449	136,0 8	11,01 48,01	17,01 17,01	20,01 23,01	
17.05.81	1134	111,5 8	6,51 18,01	39,01 10,01		38,01
21.05.81	1132	247,0 17	8,01 60,01	87,01	12,01 80,01	
26.05.81	155	217,0 58	6,01		13,01 4,01 194,01	
27.05.81	3826	115,0 3	12,01 22,01	62,01 9,01		10,01
TOTAL KG:	9018	1561,5 14	54,51 156,01	214,01 70,01	220,01 847,01	

Number of Vessels : 2

TABLE : 51

CATCH PER DAY

MONTH: JUNE

VESSEL: (COLIJNSPLAAT)		PROTECTED SPECIES		AREA: 3201		
DATE	SHRIMPS KG.	TOTAL BY-CATCH FISH KG %	BY-CATCH IN KG. PER SPECIES SOLE I PLAICE	DAB I WHI- TING	COD I OTHERS	
2.06.81	221	201,0 47	9,01 95,01	41,01		56,01
3.06.81	2206	162,0 6	10,01	134,01		18,01
4.06.81	673	176,0 20	25,01 46,01	22,01 6,01		77,01
10.06.81	337	69,0 16	17,01	10,01 5,01		37,01
11.06.81	168	15,0 8	14,01			1,01
12.06.81	850	54,0 5	44,01			10,01
16.06.81	1598	163,0 9	79,01	25,01 9,01		50,01
18.06.81	370	18,0 4	9,01			9,01
19.06.81	1341	52,0 3	30,01 11,01			11,01
23.06.81	1290	182,0 12	89,01 17,01	15,01 6,01		55,01
25.06.81	1151	79,0 6	30,01 45,01			4,01
TOTAL KG:	10205	1171,0 10	356,01 214,01	247,01 26,01		328,01

Number of Vessels : 2

TABLE : 52

CATCH PER DAY

MONTH: JULY

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3201									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE IFLAICE	DAB	IWHI- TING	COD	OTHERS	
1.07.81	1475	81,0	5	45,0					36,0
2.07.81	1155	110,0	8	42,0	33,0	16,0		9,0	10,0
7.07.81	1781	124,0	6	67,0	47,0				10,0
9.07.81	1615	290,0	15	144,0	95,0	47,0			4,0
14.07.81	1098	85,0	7	18,0	10,0	10,0			47,0
17.07.81	790	54,0	6	27,0	12,0	15,0			
21.07.81	1105	90,0	7	87,0					3,0
23.07.81	1500	81,0	5	65,0	16,0				
28.07.81	1110	38,0	3	18,0	16,0				4,0
30.07.81	734	914,0	55	277,0	609,0				28,0
TOTAL KG:	12363	1867,0	13	790,0	838,0	80,0		9,0	142,0

Number of Vessels : 3

TABLE : 53

CATCH PER DAY

MONTH: AUGUST

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3201									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE IFLAICE	DAB	IWHI- TING	COD	OTHERS	
4.08.81	509	656,0	56	85,0	521,0	27,0			23,0
6.08.81	104	5,0	4	3,0	1,0				1,0
11.08.81	335	69,0	17	27,0	29,0				13,0
13.08.81	427	82,0	16	16,0	57,0				9,0
18.08.81	2061	1435,0	41	509,0	840,0	10,0			76,0
20.08.81	1681	953,0	36	247,0	600,0	10,0			96,0
25.08.81	1688	1336,0	44	412,0	715,0	6,0			203,0
27.08.81	453	1067,0	71	264,0	760,0	20,0			23,0
TOTAL KG:	7251	5603,0	43	1563,0	3523,0	73,0			444,0

Number of Vessels : 3

TABLE : 54

CATCH PER DAY

MONTH: SEPTEMBER

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3201									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE IFLAICE	DAB	IWHI- TING	COD	OTHERS	
1.09.81	2457	1149,0	31	185,0	909,0	10,0			45,0
2.09.81	751								
3.09.81	1158	566,0	32	222,0	308,0		5,0	2,0	29,0
8.09.81	1441	934,0	39	149,0	736,0	17,0			32,0
10.09.81	2752	825,0	23	94,0	688,0	11,0		2,0	30,0
15.09.81	3025	1363,0	31	165,0	1004,0	5,0		2,0	187,0
17.09.81	1726	777,0	31	89,0	621,0	15,0		10,0	42,0
22.09.81	3134	748,0	19	122,0	366,0	18,0		29,0	213,0
24.09.81	1941	675,0	25	183,0	319,0	13,0	25,0	95,0	40,0
TOTAL KG:	18392	7037,0	27	1209,0	4951,0	89,0	30,0	140,0	618,0

Number of Vessels : 2

TABLE : 55

CATCH PER DAY

MONTH: OCTOBER

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3202									
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					
		BY-CATCH FISH KG	%	SOLE IFLAICE	DAB	IWHI- TING	COD	OTHERS	
1.10.81	6015	709,0	10	85,0	399,0	19,0	82,0	85,0	39,0
6.10.81	8863	724,0	7	169,0	207,0	4,0	110,0	197,0	37,0
8.10.81	611	256,0	29	69,0	51,0	2,0	28,0	90,0	17,0
12.10.81	1317	25,0	1	6,0				19,0	
13.10.81	4769	447,0	8	34,0	62,0		51,0	297,0	3,0
15.10.81	1065	1002,0	34	40,0	158,0		61,0	732,0	11,0
19.10.81	1710	337,0	12		9,0		74,0	154,0	
20.10.81	583	58,0	9	12,0	9,0	2,0	5,0	14,0	16,0
21.10.81	505	499,0	49	7,0	260,0	8,0	92,0	129,0	3,0
22.10.81	4167	1257,0	23	39,0	465,0	22,0	178,0	542,0	11,0
27.10.81	5813	2040,0	25	11,0	631,0	20,0	355,0	1011,0	12,0
29.10.81	4593	698,0	13	26,0	467,0	43,0	19,0	131,0	12,0
TOTAL KG:	40811	7952,0	16	497,0	2718,0	120,0	1055,0	3401,0	161,0

TABLE : 56

CATCH PER DAY

MONTH: NOVEMBER

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3202

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	IWHI- TING		
2.11.81	526	35,0	6	2,0	9,0	5,0	19,0		
3.11.81	4866	2278,0	31	5,0	1011,0	32,0	237,0	979,0	14,0
5.11.81	3237	708,0	17		402,0	32,0	54,0	204,0	16,0
10.11.81	4576	606,0	11	2,0	263,0	33,0	58,0	250,0	
12.11.81	3620	1034,0	22	2,0	225,0	13,0	55,0	735,0	4,0
17.11.81	1747	1043,0	37		229,0		70,0	743,0	1,0
19.11.81	2174	656,0	23		176,0	26,0	133,0	281,0	40,0
24.11.81	3833	1039,0	21		107,0	11,0	160,0	648,0	113,0
27.11.81	2979	820,0	21		36,0	2,0	48,0	618,0	116,0
TOTAL KG:	27558	8219,0	22	11,0	2458,0	149,0	1820,0	4477,0	304,0

TABLE : 57

CATCH PER DAY

MONTH: DECEMBER

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3201

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	IWHI- TING		
1.12.81	2068	227,0	9			4,0	6,0	183,0	34,0
3.12.81	9118	653,0	6			21,0	85,0	471,0	76,0
8.12.81	4256	325,0	7			18,0	26,0	267,0	14,0
9.12.81	1825	165,0	8		2,0	14,0	20,0	99,0	30,0
10.12.81	3764	461,0	10			26,0	46,0	375,0	14,0
16.12.81	3711	298,0	7		15,0	7,0	35,0	198,0	43,0
17.12.81	1906	237,0	11		14,0	72,0	11,0	62,0	78,0
22.12.81	934	190,0	16			61,0	30,0	99,0	
23.12.81	2170	431,0	16		5,0	73,0	34,0	134,0	185,0
28.12.81	940	193,0	17			79,0	17,0	97,0	
29.12.81	5770	502,0	8			351,0		151,0	
30.12.81	1816	331,0	15			113,0	20,0	198,0	
TOTAL KG:	38278	4013,0	9		36,0	839,0	1330,0	2334,0	474,0

TABLE : 58

CATCH PER DAY

MONTH: JANUARY

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3201

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	IWHI- TING		
5.01.82	1188	338,0	22		2,0	161,0	6,0	85,0	84,0
7.01.82	1749	888,0	33		2,0	260,0	3,0	279,0	344,0
12.01.82	1321	472,0	26		4,0	90,0	2,0	86,0	290,0
14.01.82	2446	1199,0	32		42,0	560,0	20,0	227,0	350,0
19.01.82	991	625,0	38		26,0	407,0	4,0	57,0	131,0
20.01.82	462	206,0	30		26,0	152,0	6,0	22,0	
21.01.82	427	132,0	23		17,0	111,0		4,0	
27.01.82	1766	782,0	30	1,0	48,0	390,0	33,0	215,0	95,0
TOTAL KG:	10350	4642,0	30	1,0	167,0	12131,0	74,0	975,0	1294,0

TABLE : 59

CATCH PER DAY

MONTH: FEBRUARY

VESSEL: (COLIJNSPLAAT) PROTECTED SPECIES AREA: 3202

DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES				COD	OTHERS
		BY-CATCH KG	FISH %	SOLE	PLAICE	DAB	IWHI- TING		
2.02.82	1645	483,0	29		18,0	360,0	74,0	151,0	80,0
3.02.82	991	464,0	31		44,0	311,0	60,0	49,0	
4.02.82	1012	603,0	37		65,0	324,0	75,0	43,0	96,0
9.02.82	1384	693,0	33		23,0	407,0	19,0	161,0	83,0
10.02.82	1022	381,0	27		32,0	264,0		82,0	3,0
11.02.82	1088	219,0	16		9,0	92,0	3,0	32,0	83,0
16.02.82	1686	248,0	12		8,0	134,0	16,0	47,0	43,0
18.02.82	2570	637,0	19		61,0	348,0	57,0	132,0	39,0
23.02.82	1068	156,0	12		12,0	138,0		6,0	
25.02.82	2144	388,0	15		24,0	311,0		30,0	23,0
TOTAL KG:	14610	4472,0	23		296,0	12689,0	1304,0	733,0	450,0

VESSEL: (COLI INSPIAAT) PROTECTED SPECIES AREA: 3202										
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- ITING			
3.03.82	444	148,0	25			25,0		62,0	61,0	
5.03.82	421									
8.03.82	161	33,0	17					12,0	21,0	
9.03.82	1759	164,0	8		3,0	107,0	1,0	53,0		
11.03.82	394									
16.03.82	1042	171,0	14		3,0	20,0		147,0	1,0	
18.03.82	1259	326,0	20	1,0	24,0	220,0		81,0		
23.03.82	1645	89,0	5					88,0	1,0	
25.03.82	1891	452,0	19	16,0	129,0	126,0	5,0	175,0	1,0	
TOTAL KG:	9016	1383,0	13	17,0	159,0	498,0	6,0	618,0	85,0	

TABLE : 61 CATCH PER DAY MONTH: MARCH

VESSEL: (DUNKERQUE) PROTECTED SPECIES AREA: 0404										
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- ITING			
1.03.81	57	197,0	77		108,0	55,0			34,0	
2.03.81	36	63,0	63		34,0	11,0			18,0	
4.03.81	67	183,0	73	3,0	136,0	38,0			6,0	
5.03.81	123	202,0	62	14,0	133,0	55,0				
8.03.81	13	92,0	87		48,0	24,0			20,0	
15.03.81	75	53,0	41		32,0	21,0				
20.03.81	74	76,0	50	12,0	43,0	19,0			2,0	
23.03.81	145	130,0	47	9,0	121,0					
24.03.81	39	46,0	54	24,0	22,0					
26.03.81	112	154,0	57	18,0	110,0	19,0			7,0	
30.03.81	52	78,0	60	16,0	42,0	20,0				
31.03.81	91	220,0	70	48,0	138,0	34,0				
TOTAL KG:	884	1494,0	62	144,0	967,0	296,0			87,0	

Number of Vessels : 4

TABLE : 62 CATCH PER DAY MONTH: APRIL

VESSEL: (DUNKERQUE) PROTECTED SPECIES AREA: 0404										
DATE	SHRIMPS KG.	TOTAL		BY-CATCH IN KG. PER SPECIES					COD	OTHERS
		BY-CATCH FISH KG	%	SOLE	IPLAICE	DAB	IWHI- ITING			
1.04.81	70	127,0	64	28,0	57,0	33,0			9,0	
2.04.81	102	267,0	72	49,0	153,0	47,0			18,0	
6.04.81	117	216,0	64	52,0	98,0	66,0				
7.04.81	50	144,0	74	37,0	72,0	29,0			6,0	
14.04.81	42	97,0	69	16,0	68,0	13,0				
16.04.81	34	34,0	50	12,0	22,0					
20.04.81	37	120,0	76	22,0	92,0				6,0	
21.04.81	236	235,0	49	53,0	129,0	41,0		12,0		
22.04.81	199	296,0	59	34,0	220,0	13,0		5,0	24,0	
23.04.81	89	184,0	67	34,0	140,0	6,0			4,0	
24.04.81	109	218,0	66	47,0	120,0	39,0			12,0	
26.04.81	22	336,0	93	35,0	294,0	7,0				
28.04.81	106	220,0	67	38,0	159,0	14,0			9,0	
29.04.81	146	224,0	60	36,0	119,0	24,0			45,0	
TOTAL KG:	1359	2718,0	66	493,0	1743,0	332,0		17,0	133,0	

Number of Vessels : 4

Table 64 - Total Belgian landings of shrimps and by-catch per month and per port (kg).

Port Month	Nieuwpoort					Oostende					Zeebrugge					
	Shrimps	Sole	Plaice	Whiting	Cod	Shrimps	Sole	Plaice	Whiting	Cod	Shrimps	Sole	Plaice	Whiting	Cod	
March 81	868					1 971					15 586	323	388	170	1 769	
April	2 325	No data				5 258	No data					25 189	497	2 057	236	838
May	5 293					15 020	563	3 584	778	-	31 348	936	1 260	493	46	
June	2 904	41	66	-	-	14 008	188	44	100	-	43 128	1 296	400	285	-	
July	3 185	15	28	-	-	21 210	738	607	42	-	67 333	1 698	3 524	56	-	
Aug.	4 675	575	25	-	-	20 319	1 028	537	-	18	82 584	2 628	7 248	2	-	
Sept.	3 835	1 113	161	-	-	40 024	600	3 439	634	245	122 475	3 154	3 537	-	201	
Oct.	4 048					34 155	63	2 143	7 033	4 050	69 077	847	5 246	1 061	3 273	
Nov.	2 935					23 065	38	874	4 454	2 858	43 453	15	414	2 293	2 615	
Dec.	2 475					14 241	5	1 287	2 395	2 148	32 938	8	475	581	4 338	
Jan. 82	1 996	No data				10 144	-	1 359	1 401	1 770	16 029	-	256	129	846	
Feb.	5 156					4 825	53	546	329	741	19 641	16	229	458	1 167	
March	3 297					3 425	19	143	74	24	29 757	1 839	106	-	2 329	
April	2 908					10 197	776	420	-	689	41 103	2 731	2 064	116	2 419	
Total	14 599	1 744	280	-	-	210 633	4 071	14 983	17 240	12 543	639 641	15 988	27 220	5 880	19 841	
	June - Sept. 81					May 81 - April 82					March 81 - April 82					

Table 65 - By-catch composition per port (kg per 100 kg shrimps)

Species	Port Period	Nieuwpoort 6/81-9/81	Oostende 5/81-4/82	Zeebrugge 3/81-4/82	Dunkerque 3/81-4/81	Colijnsplaat 3/81-3/82	Brekens 3/81-4/82
Haddock		-	-	-	-	0.01	-
Codling		-	6.50	3.16	0.76	6.82	5.22
Whiting		-	9.50	1.07	-	1.28	1.65
Pouting		-	-	0.002	-	0.09	0.06
Plaice		1.04	6.86	4.16	120.82	7.21	2.66
Flounder		0.01	8.22	8.77	2.90	1.26	2.94
Dab		0.05	2.97	2.69	28.00	3.40	1.33
Sole		10.20	1.59	3.17	28.40	2.24	2.38
Lemon Sole		-	0.001	0.001	1.92	-	-
Turbot		0.03	0.11	0.07	3.34	0.15	0.10
Brill		0.02	0.06	0.04	1.65	0.14	0.04
Ray		-	0.02	0.004	-	-	0.17
Sharcks		-	0.09	0.11	-	0.01	0.01
Yellow gunard		0.08	0.11	0.04	-	0.01	0.01
Bass		0.01	-	0.006	-	0.83	0.16
Eel		2.85	1.61	0.67	-	0.61	-
Garfish		-	0.001	-	-	0.03	-
Lesser grey mullet		0.01	0.01	0.001	-	0.15	0.01
Horse mackerel		-	2.40	0.39	-	0.03	-
Mackerel		0.26	0.11	0.06	-	0.15	0.01
Herring		-	0.12	0.43	-	0.03	-
Sprat		0.07	1.00	0.06	-	-	-
Anchovy		-	0.01	-	-	-	-
Undetermined		-	0.01	0.002	0.31	0.34	0.04
Total		14.63	41.39	24.91	188.10	24.79	16.79
% By-catch		12.7	29.3	19.9	65.3	19.9	14.3

Table 66 - Length distribution of sole, plaice, dab, whiting and cod in the Belgian shrimp landings over the period March 81 - April 82

Length (cm)	Sole	Plaice	Dab	Whiting	Cod
15			3 678		
16			10 866		
17			8 035		
18			8 375		
19			8 296		
20			11 929	225	
21			9 272	679	
22			10 118	1 488	
23			9 356	943	
24	52 723		8 530	3 035	
25	31 363		8 435	3 201	
26	15 162		6 165	3 373	
27	8 330	34 738	2 819	14 211	
28	12 404	74 019	2 159	25 917	
29	3 453	32 607	1 528	17 598	
30	4 284	24 293	1 029	17 751	1 403
31	1 740	10 055	362	10 699	1 432
32	1 819	12 501	<u>(+ 32)</u> 1 753	9 156	773
33	1 228	7 122		5 910	666
34	1 502	6 829		5 376	429
35	1 238	10 090		9 079	699
36	846	3 591		2 123	638
37	930	3 068		<u>(+ 37)</u> 5 240	501
38	628	3 511			621
39	370	1 556			772
40	<u>(+ 40)</u> 1 206	2 328			1 262
41		369			625
42		1 368			633
43		472			512
44		<u>(+ 44)</u> 1 803			713
45					870
46					550
47					<u>(+ 47)</u> 9 270
Total	139 226	230 320	112 705	136 004	22 369
Numbers per 100 kg shrimps	15.5	25.6	12.5	15.1	2.5

Table 67 - Number of soles per length group caught by the shrimpfleet of Zeebrugge

cm	1981											1982				Total
	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April		
24	160	489	1 971	2 427	6 560	10 974	11 846	2 337	62	-	-	35	2 498	3 126	42 485	
25	120	176	440	769	2 202	4 488	5 687	836	36	-	-	12	3 136	4 395	22 297	
26	80	100	255	371	843	1 378	2 218	332	5	8	-	8	1 624	2 832	10 054	
27	80	88	170	397	344	698	967	151	5	8	-	-	667	2 473	6 048	
28	80	88	99	119	219	422	368	131	5	-	-	16	732	1 776	10 103	
29	120	138	128	66	62	103	74	101	5	-	-	-	582	1 012	2 391	
30	120	125	255	159	195	78	126	60	-	-	-	-	272	809	2 199	
31	200	50	28	40	55	17	21	50	-	-	-	-	300	360	1 121	
32	120	113	170	40	39	17	21	50	-	-	-	-	188	214	972	
33	40	88	57	80	62	26	11	10	-	-	-	-	103	45	522	
34	40	50	71	66	39	17	53	30	-	-	-	-	9	90	987	
35	-	88	85	106	23	17	32	40	-	-	-	-	28	-	419	
36	-	75	156	159	23	9	21	20	-	-	-	-	9	56	528	
37	-	50	128	265	8	26	21	-	-	-	-	-	9	79	586	
38	40	75	99	93	23	52	63	-	-	-	-	4	9	22	480	
39	-	13	99	66	8	17	-	20	-	-	-	-	-	34	257	
≥ 40	40	50	156	179	16	78	305	111	-	8	-	-	56	101	1 093	

Table 68-Number of soles per length group caught by the shrimpfleet of Oostende and Nieuwpoort

cm	Oostende														Nieuwpoort					
	1981									1982					Total	1981				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	March	April	June	July		Aug.	Sept.	Total		
24	78	354	2 939	3 167	2 142	184	36	-	-	78	25	1 259	1 800	7	33	1 440	5 007	6 487		
25	112	111	894	2 300	1 689	74	40	-	-	32	25	1 347	6 624	3	7	715	556	1 281		
26	104	44	367	1 026	721	53	18	-	-	26	25	761	3 145	26	13	251	1 112	1 402		
27	69	66	176	643	272	26	11	-	-	26	63	459	1 811	7	7	149	-	163		
28	112	55	287	509	228	68	25	-	-	26	38	459	1 807	16	10	9	-	35		
29	78	-	80	297	146	11	18	-	-	6	-	273	909	3	3	19	-	25		
30	328	133	320	358	228	53	29	-	-	-	13	439	1 901	3	3	19	-	25		
31	69	22	144	118	12	5	7	-	-	-	-	156	533	3	-	19	-	22		
32	233	33	144	110	47	21	11	-	-	-	-	156	755	3	3	19	-	25		
33	112	77	144	98	55	16	11	-	-	-	-	88	601	10	13	37	-	60		
34	138	66	80	28	28	5	4	-	-	-	-	78	427	13	-	19	-	32		
35	328	89	144	41	28	42	14	-	-	-	-	78	764	-	-	9	-	9		
36	138	22	64	28	-	11	4	-	-	-	-	10	277	10	-	-	-	10		
37	181	33	32	24	8	5	-	-	-	-	-	20	303	7	-	-	-	7		
38	78	11	-	4	-	-	-	-	-	-	-	29	122	3	-	-	-	3		
39	35	11	-	4	-	-	-	-	-	-	-	10	90	-	-	9	-	9		
≥40	26	-	-	-	-	-	-	-	-	-	-	29	55	13	-	-	-	13		

Table 69- Number of plaice per length group caught by the shrimpfleet of Zeebrugge

cm	1981												1982				Total
	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April			
27	199	47	1 273	53	7 216	10 060	2 646	61	-	-		-	9	146	22 410		
28	259	463	891	1 136	18 409	11 845	3 065	15 140	394	413		-	-	109	52 124		
29	80	747	700	211	10 877	5 923	2 322	1 638	-	-		-	-	486	22 984		
30	239	427	551	40	6 512	3 996	2 093	121	460	207		-	38	255	14 939		
31	99	142	85	-	1 725	857	1 337	30	197	413		-	-	304	5 189		
32	20	463	127	79	1 619	186	783	121	329	207		-	56	267	4 257		
33	60	249	85	-	739	35	270	394	131	207		-	9	607	2 786		
34	80	427	64	40	1 232	35	216	334	66	-		-	38	559	3 091		
35	80	498	64	-	810	44	365	850	197	413	No data	-	38	534	3 893		
36	20	534	106	26	141	35	81	61	-	-		-	19	486	1 509		
37	20	498	64	-	211	9	95	212	-	-		-	9	656	1 774		
38	139	498	21	-	70	35	68	273	-	-		-	9	498	1 611		
39	119	463	21	-	141	27	68	121	-	-		-	9	219	1 188		
40	139	498	42	-	211	35	68	182	-	-		-	28	449	1 652		
41	-	36	21	-	35	9	-	30	-	-		-	19	182	332		
42	-	36	-	-	35	18	-	121	-	207		-	229	-	121	767	
43	-	71	-	-	35	44	-	61	-	-		-	-	9	146	455	
≥44	-	142	42	-	352	9	189	152	-	-		-	229	38	340	1 493	

Table 70 - Number of plaice per length group caught by the shrimp fleet of Oostende and Nieuwpoort

CM	Oostende												Nieuwpoort				
	1981						1982						Total	1981			
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April		June	July	Aug.	Total
27	4 195	144	479	782	529	268	397		1 574	1 337	448	791	10 944	39	26	33	98
28	2 568	122	607	999	8 994	2 053	609		1 717	238	186	1 016	19 109	23	13	11	47
29	1 431	11	256	432	3 174	714	212		1 287	185	161	449	8 312	46	23	35	104
30	2 458	11	319	619	1 058	1 429	344		1 574	79	124	352	8 367	62	17	9	88
31	954	-	287	212	1 587	446	185		572	93	25	88	4 449	29	10	6	45
32	2 152	11	128	134	2 116	804	1 086	No data	1 144	73	25	78	7 751	20	3	7	30
33	1 186	11	112	122	529	1 339	238		286	53	25	166	4 047	13	10	2	25
34	1 015	11	80	90	-	446	927		715	86	25	68	3 463	13	7	2	22
35	978	22	48	94	2 116	1 339	265		715	132	25	78	5 812	3	-	9	12
36	477	-	32	20	529	625	106		-	79	50	20	1 938	3	7	1	11
37	269	-	16	16	-	625	26	143	53	12	20	1 180	-	-	-	-	
38	61	11	64	12	1 058	446	26	-	26	25	40	1 769	-	-	1	1	
39	12	-	32	-	-	179	53	-	26	-	-	302	3	3	2	8	
40	49	-	-	-	-	446	26	-	20	-	49	590	-	-	-	-	
41	12	-	-	-	-	-	-	-	7	-	-	19	3	1	-	4	
42	-	-	-	-	529	-	-	-	20	-	-	549	-	-	1	1	
43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
≥ 44	44	-	-	-	-	179	-	-	20	-	-	243	-	-	-	-	

No data for September

Table 71 - Number of dab per length group caught by the shrimp fleet of Zeebrugge

cm	1981										1982				Total
	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April	
15	-	-	64	-	-	-	-	-	41	-	-	-	-	-	105
16	20	18	64	40	130	-	-	-	20	45	-	-	-	337	
17	79	36	-	26	123	-	-	9	225	76	53	93	22	742	
18	238	350	127	40	92	-	-	443	205	227	382	155	66	2 325	
19	1 369	1 024	95	40	46	26	-	17	225	273	710	248	99	4 172	
20	2 222	1 212	223	26	46	51	No data	52	573	712	No data	1 452	356	55	6 980
21	1 329	790	32	40	62	17		69	164	818		1 621	652	265	5 859
22	1 488	790	223	-	46	9		77	205	833		2 618	1 024	210	7 523
23	1 250	494	223	-	-	9		34	123	1 045		2 384	1 164	143	6 869
24	1 091	341	127	-	-	-	-	9	41	712	2 215	1 195	287	6 018	
25	1 150	287	223	-	-	-	-	17	41	1 060	1 717	636	210	5 341	
26	714	233	32	-	-	-	-	9	61	439	1 346	372	210	3 416	
27	238	81	32	-	15	-	-	34	20	273	901	310	132	2 036	
28	139	72	64	-	-	-	-	9	-	303	519	-	99	1 205	
29	99	18	32	-	-	-	-	-	-	379	456	62	33	1 088	
30	60	9	-	-	-	-	-	-	41	273	318	16	11	728	
31	-	-	-	-	-	-	-	-	20	106	170	-	-	296	
≥32	-	-	-	-	-	-	-	-	-	1 377	233	16	22	1 648	

Table 72 - Number of dab per length group caught by the shrimp fleet of Oostende and Nieuwpoort

CM	Oostende													Nieuwpoort					
	1981									1982				Total	1981				
	May	June	July	Aug.	Sept.	Okt.	Nov.	Dec.	Jan.	Febr.	March	April	June		July	Aug.	Sept.	Total	
15	886	620		16		276	1 018	2 134	2 459	1 033	781	214	3 437						
16	1 651	133		0		368	1 129	2 394	2 774	927	508	243	10 127						
17	1 277	33		8		414	777	1 701	1 775	735	149	127	6 996						
18	808	110		4		322	759	1 327	1 590	511	260	49	5 740						
19	669	-		-		184	352	1 096	1 017	397	37	49	3 801	16				16	
20	1 225	22		-		690	500	721	573	556	149	49	4 485	23				23	
21	617	11	No data	-	No data	184	278	865	536	444	112	-	3 047	23	No data	No data	No data	23	
22	391	-	No data	-	No data	276	278	461	222	410	112	29	2 179	42	No data	No data	No data	42	
23	478	-		-		92	333	404	333	463	25	-	2 128	13	No data	No data	No data	13	
24	139	22		-		322	796	115	277	490	25	10	2 196						
25	191	22		-		276	463	721	370	616	74	49	2 782						
26	78	-		-		276	1 370	144	166	437	50	-	2 521						
27	87	-		-		-	93	87	18	357	37	-	679						
28	104	-		-		138	111	115	37	357	12	-	874						
29	17	-		-		92	56	-	-	218	-	-	383						
30	-	-		-		-	56	-	55	152	-	-	263						
31	-	-		-		-	-	-	-	53	-	-	53						
≥32	-	-		-		-	-	-	-	40	-	-	40						

Table 73 - Number of whiting per length group caught by the shrimpfleet of Zeebrugge

cm	1981										1982				Total
	March	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April	
20	-	98	32	53	-	-		-	-	-	-	-	-	183	
21	-	49	32	462	-	-		-	-	-	-	-	-	543	
22	-	295	159	462	-	-		423	-	-	-	-	-	1 339	
23	-	49	191	476	46	-		26	-	-	-	-	-	788	
24	-	197	191	238	-	-	No data	26	-	-	-	31	No data	683	
25	-	-	223	145	69	-	No data	-	-	-	-	447	No data	884	
26	17	49	191	106	-	-	No data	165	-	16	-	291	-	835	
27	34	98	95	26	108	9		118	18	16	-	229	-	751	
28	84	49	95	53	-	-		188	1 388	66	-	221	21	2 165	
29	118	49	159	13	-	-		212	516	83	10	225	10	1 395	
30	67	-	191	26	46	-		329	978	149	78	303	21	2 188	
31	-	-	-	-	15	-		376	694	83	19	194	21	1 402	
32	118	-	32	-	-	-		400	409	133	10	159	-	1 261	
33	34	-	32	-	-	-		212	427	199	19	117	21	1 061	
34	50	-	-	-	-	-		235	409	50	29	58	51	882	
35	17	98	64	-	-	-		423	605	382	87	78	31	1 776	
36	34	-	32	-	-	-		376	213	116	10	8	31	820	
≥37	101	98	32	-	-	-		447	3 024	398	87	113	103	4 403	

Table 74 - Number of whiting per length group caught by the shrimp fleet of Oostende and Nieuwpoort.

cm	Oostende												Total	Nieuwpoort
	1981						1982							
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Febr.	March	April		
20	34	-	-			-	-	-	-	-	-	-	34	No data
21	111	-	-			-	-	-	-	-	-	-	111	
22	94	-	-			-	-	-	-	-	-	-	94	
23	120	-	-			-	-	-	-	-	-	-	120	
24	120	-	-	No data	No data	-	2 120	-	-	-	-	-	2 240	
25	43	-	16	No data	No data	-	2 120	-	-	20	-	-	2 199	
26	60	-	-	No data	No data	-	2 333	-	-	20	-	-	2 413	
27	454	133	192			4 107	2 566	2 905	1 987	331	259		12 934	
28	1 869	310	64			8 573	3 712	3 220	2 293	311	148		22 793	
29	952	144	80			6875	4 433	2 042	1 834	126	62		15 552	
30	1 097	100	64			6725	2 757	2 670	1 528	179	86		14 906	
31	266	66	-			3 490	1 845	2 199	917	93	25		8 901	
32	197	33	-			3 542	1 251	1 491	866	139	37		7 556	
33	171	-	-			2 464	1 463	1 413	459	73	-		4 630	
34	17	-	-			1 694	679	1 178	611	79	37		4 295	
35	17	11	-			3 285	1 357	1 570	611	79	37		6 967	
36	9	-	-			359	361	314	102	79	-		1 224	
≥37	-	-	-			308	21	-	102	212	-		643	

Table 75 - Number of cod per length group caught by the shrimpfleet of Zeebrugge

CM	1981										1982				Total
	March	April	May	June	July	Aug.	Sept.	Okt.	Nov.	Dec.	Jan.	Feb.	March	April	
30	-	11						-	-	24	-	-	-	-	35
31	-	33						-	-	-	-	10	-	-	43
32	41	22						-	-	24	-	-	16	11	114
33	62	33						-	-	-	-	-	8	-	103
34	62	22						-	-	-	-	-	8	22	114
35	145	11						-	-	49	23	10	8	-	246
36	145	55	No data	No data	No data	No data		-	9	-	23	-	-	43	275
37	62	22	No data	No data	No data	No data		-	-	49	46	10	8	14	233
38	269	55						-	27	-	34	-	24	29	449
39	247	33						-	9	49	23	10	40	43	454
40	228	111						-	36	73	171	48	40	101	708
41	228	55						-	73	-	34	10	-	11	411
42	207	22						-	18	24	57	-	40	43	411
43	104	55						-	36	24	91	29	16	11	366
44	186	22						-	18	97	34	19	64	14	508
45	104	55						37	18	49	182	76	40	29	601
46	186	22						46	27	-	34	-	40	-	398
≥47	849	299						100	2	024	-	1	993	830	7 656

Table 76 - Number of cod per length group caught by the shrimp fleet of Oostende and Nieuwpoort

CM	Oostende												Nieuwpoort	
	1981								1982					Total
	May	June	July	Aug.	Sept.	Okt.	Nov.	Dec.	Jan.	Feb.	March	April		
30					-	222	161	67	211	79	-	576	1 316	
31					-	132	76	51	132	26	-	919	1 336	
32					17	132	40	51	35	13	-	342	630	
33					34	148	55	42	70	13	-	176	538	
34					-	66	40	51	70	13	-	59	299	
35	No data	No data	No data	No data	17	148	76	42	53	13	-	78	427	No data
36	No data	No data	No data	No data	-	82	141	67	26	13	-	10	339	No data
37	No data	No data	No data	No data	-	16	61	25	88	20	-	39	249	No data
38					-	66	15	17	18	13	-	20	149	
39					-	49	126	59	35	20	-	-	289	
40					120	115	66	51	70	53	12	20	507	
41					17	41	40	51	35	7	-	-	191	
42					17	33	30	67	26	26	-	-	199	
43					-	25	20	25	44	13	-	-	127	
44					-	58	45	17	26	33	-	-	179	
45					17	90	15	51	44	20	-	-	237	
46					-	25	30	51	26	-	-	-	132	
≥ 47					-	255	328	227	193	258	-	10	1 271	

Table 77 - Total landings of shrimps and by-catch per month and per port (kg)

Port Month	Dunkerque					Colijnsplaat					Breskens				
	Shrimps	Sole	Plaice	Whiting	Cod	Shrimps	Sole	Plaice	Whiting	Cod	Shrimps	Sole	Plaice	Whiting	Cod
March 81	1 406	229	1 538	-	-	23 990	14	-	5	3 288	5 741	21	352	-	817
April	1 869	678	2 397	-	23	12 418	557	78	63	587	13 889	89	1 252	23	639
May	2 717					11 639	70	201	90	284	11 632	623	2 190	772	36
June	1 909					14 596	509	306	37	-	15 808	812	539	353	37
July	1 226					13 021	832	883	-	10	30 712	1 015	763	82	-
Aug.	1 517					8 831	1 909	4 303	-	-	31 340	1 366	610	-	6
Sept.	1 930					30 798	2 025	8 291	50	234	50 845	2 108	1 797	170	425
Oct.	3 092					91 254	1 111	6 077	2 359	7 605	110 000	1 642	1 172	3 196	6 711
Nov.	2 100					29 254	12	2 609	970	4 753	41 033	3	208	1 469	3 562
Dec.	2 460					80 899	-	76	697	4 933	23 537	-	75	348	4 188
Jan. 82	960					59 385	6	958	425	5 594	5 759	-	190	237	1 248
Febr.	1 830					64 579	-	1 317	1 353	3 262	13 922	-	319	373	1 291
March	2 730					59 655	112	1 052	40	4 089	17 709	257	17	-	1 599
April	2 910					28 742					11 729	523	3	43	372
	3 275	907	3 935	-	23	500 319	7 157	26 151	6 089	34 639	383 656	8 459	9 487	7 066	20 931
	March-April 1981					March 1981 - March 1982					March 1981 - April 1982				

Table 78 - By-catch for 1980 and 1981 for the area Baie de Somme - Tréport (tonnes)

Species	1980			1981			
	3 miles	3-12 miles	Total	Estuary	3 miles	3-12 miles	Total
Codling	32.3	26.7	59.0	0.3	34.0	25.1	59.4
Whiting	18.6	20.0	38.6	0.7	23.8	23.7	48.2
Plaice	120.0	46.8	166.8	5.3	200.0	54.7	260.0
Dab	34.8	19.9	54.7	6.0	77.5	23.9	107.4
Sole	82.5	33.2	115.7		87.9	19.4	107.3
Lemon sole		0.0	0.0	27.2	0.2	0.2	27.6
Mackerel	34.3	1.7	36.0		31.7	9.5	41.2
Others	59.6	12.7	72.3	4.4	56.0	20.1	80.5
Total	382.1	161.0	543.1	43.9	511.1	176.6	731.6
Shrimps	291.2	166.5	457.7	18.8	378.7	131.0	528.5
% By-catch	56.8	49.2	54.3	70.0	57.4	57.4	58.1

Table 79 - Total by-catch in tonnes of sole, plaice, whiting and cod in the Belgian and Dutch shrimp fishery of the Southern Bight (period March 1981 - February 1982) and in the French shrimp fishery of the eastern Channel (period 1980 and 1981).

	Sole	Plaice	Whiting	Cod	Shrimp
Belgian shrimp fleet	16.5	41.4	26.5	30.4	807.4
Dutch shrimp fleet	14.7	34.6	13.1	49.5	766.1
Total (1981) international North Sea cth.	15 404	135 336	194 185	272 856	
French shrimp fleet 1980	115.7	166.8	38.6	59.0	457.7
1981	107.3	260.0	48.2	59.4	528.5
Total international VII d and e (1981)	3 157	6 211	8 271	5 036	

Appendix 3 : By-catch in the fishery for Shrimps.

Date : 25.08.81

Area : 3201

Breskens : X

Code Vessel : A

pK : 300

Colijnsplaat :

Sole		Plaice		Cod		Whiting		Dab	
Cat.	kg	Cat.	kg	Cat.	kg	Cat.	kg	Cat.	kg
I	7.0	I	507.0	I	4.0	I		I	
II		II		II		II			
III		III		III		III			
IV	19.0	IV		IV					
V	274.0			V					
				VI					

Others

Name	kg	Name	kg	Name	kg
Turbot	7.0	Bass	132.0		
Brill	7.0	Unsort.	11.0		

Total Weight Cooked Shrimps (Kg) : 1479

Datum :

Kwadraat :

Code vaartuis :

pK :

TONG		SCHOL		KABELJAUW		WIJTING		SCHAR	
Kat.	kg	Kat.	kg	Kat.	kg	Kat.	kg	Kat.	kg
I		I		I		I		I	
II		II		II		II			
III		III		III					
IV		IV		IV					
V				V					
				VI					

Andere soorten

Benamingen	kg	Benamingen	kg	Benamingen	kg

