

Stichting DLO Centre for Fishery Research (CVO)

P.O. Box 68
1970 AB IJMUIDEN
Phone: 0317-480900
Fax: 0317-487326
Visitor address: Haringkade 1,
1976 CP IJmuiden

CVO report

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Market Sampling of Landings of Commercial Fish Species in the Netherlands in 2008

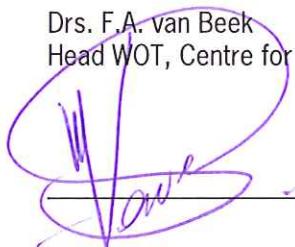
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Drs. F.A. van Beek
Head WOT, Centre for Fishery Research

Signature:



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Table of Contents

Summary.....	3
Index tables and figures.....	4
1 Introduction	5
2 Sampling procedures	7
2.1 Plaice, Sole, Turbot, Brill, Lemon sole and Dab	7
2.2 Cod and Whiting	8
2.3 Herring, Mackerel, Horse Mackerel, Blue Whiting and Greater Argentine.....	8
2.4 Rays	8
2.5 Norway lobster	9
2.6 Red mullet.....	9
2.7 Bass	9
2.8 Common shrimp	9
3 Data processing and data usage	10
4 Other data.....	11
4.1 Age samples from Dutch research vessel surveys.....	11
4.2 Discard samples taken on commercial vessels.....	11
Literature.....	12
Annex I Tables.....	13
Annex II Figures.....	91

Summary

The biological market-sampling programme for marine fish species provides, together with the information from the fish surveys by research vessels, the information which is essential for relating changes in the fish stocks to changes in the fishery. The market sampling programme in the Netherlands encompasses the collection of fish samples from commercial catches, the analysis of these samples (estimation of length, weight, sex, sexual maturity and age), and the conversion of the national catches in tonnes to age compositions in numbers together with the additional information on mean weight at age, mean length at age, etc. In a later stage, the information by country is combined to figures representative for the whole fish stock. These combined international data, collected over many years, form the basis for the analysis of population dynamics and for providing biological advice on fishery management.

The age of a fish is determined from the otoliths (ear bones) taken out of the head. Due to seasonal changes in growth, related to e.g. food availability, temperature or spawning period) ring structures are formed in the otolith similar to the ring structures in a tree. Age determination of fish is important , based on annual age compositions, the annual increase in length and weight can be traced. This allows a quantification of important processes such as growth, recruitment of new age groups, mortality etc.

This report contains information on the biological sampling from the market sampling programme in 2008: which species were sampled, when and where the samples were taken (date and position), how many fish have been measured, how many fish have been aged, etc. The report provides an overview of all the biological sampling activities in 2008 by IMARES on the landings of the commercial important species of herring, mackerel, horse mackerel, blue whiting, greater argentine, sole, plaice, turbot, brill, dab, lemon sole, cod, whiting, Norway lobster, bass, red mullet, common shrimp and four different species of rays from all ICES areas. This biological sampling took place on landings by both the Dutch fleet as well as foreign fleets landing in the Netherlands.

Index tables and figures

Detailed information on sampling in **2008** is described in this report in tables and figures. The overview below show the table and figure numbers corresponding to the species described.

2008	Market Sampling	
	Tables	Figures
<i>General tables & figures</i>		
Market size categories	1	
Map of ICES Divisions		1
<i>Overview by species</i>		
Sole	2	2
Plaice	3	3
Turbot	4	4
Brill	5	5
Dab	6	6
Lemon Sole	7	7
Cod	8	8
Whiting	9	9
Herring	10	10
Mackerel	11	11
Horse Mackerel	12	12
Blue Whiting	13	13
Greater Argentine	14	14
Norway Lobster	15	15
Blond Ray	16	16
Spotted Ray	17	17
Starry Ray	18	18
Thornback Ray	19	19
Cuckoo Ray	20	20
Red Mullet	21	21
Bass	22	22
Common Shrimp	23	23
Overview Sampling	24	

1 Introduction

In the framework of the biological monitoring of the stocks of commercially important marine fish species, which are exploited by fishing fleets and are subject to EU management regulations, annual routine sampling programmes of the landings in the Netherlands have been carried out since 1955 for pelagic species and since 1957 for demersal species. The information collected in these sampling programmes concerns annual and quarterly age-length keys (ALK's), length distributions, weight at age and maturity at age. Combined with national statistics on nominal landings by size category as used in the fish market, age distributions of the landings, at various levels of aggregation, can be constructed. Amongst other data, these data are used in assessments of the state of the stocks by the International Council for Exploration of the Sea (ICES, www.ices.dk). The biological market sampling programme has been financially supported by the EU from 1995 to 2002 by various contracts. From 2002 onwards the Dutch market sampling is part of the data collection regulation under EU Regulation 1639/2001. The research carried out in 2008 represents the Dutch part of an international framework of national market sampling programs, which form the basis for fish stock assessment and management advice. The data obtained are essential to evaluate the possible effects of the various measures aiming at the conservation and management of fishery resources (TAC's and quota's) as laid down in the Common Fishery Policy.

The details of the planning of the 2008 market sampling are given in The Netherlands National Programme for Collection of Fisheries Data in 2008 and carried out in "Programma Wettelijke en Dientverlenende Taken Visserijonderzoek 2002-2008 (Werkafspraken en werkplan 2008, van Beek 2007). This report presents the actual biological sampling of the landings in 2008, as carried out following the workplan. This report does not include an evaluation of the sampling, as this is included in the "Technical Report of Activity 2008 – The Netherlands" (Anon., 2009). Sampling activities carried out in previous years have been presented in several RIVO/IMARES reports, which are listed in section 5. A brief description of the sampling procedures presently applied in the Netherlands is given.

The market sampling programme in 2008 comprised the following species: sole, plaice, turbot, brill, dab, lemon sole, cod, whiting, herring, mackerel, horse mackerel, blue whiting, greater argentine, blond ray, spotted ray, starry ray, thornback ray, Norway lobster, red mullet, bass and common shrimp.

Details of the biological sampling for the 2008 market-sampling programme are presented in tables and figures. The sample characteristics are stored in an Excel-sheet during the year to provide an insight in the progress of the sampling on a species by species basis. The tables and figures in this report are based on this spreadsheet and are created automatically by SAS-code developed by Jan Jaap Poos.

The Index of Tables and Figures by species is given after the Table of Contents in the beginning of this report. The table and figure numbers are kept identical by species for fast table and figure searching. The a, b, c or d after the table or figure numbers refers to respectively the 1st, 2nd, 3rd and 4th quarter, even if samples were only taken in 1 quarter, e.g. greater argentine which has a 2nd quarter sample only. The e,f,g or h refer to separate length measurements by quarter by species where relevant.

2 Sampling procedures

2.1 Plaice, Sole, Turbot, Brill, Lemon sole and Dab

Almost all of the plaice, sole, turbot, brill, lemon sole and dab landed in the Netherlands are caught by beam trawlers, which are fishing almost exclusively in the North Sea. Only very few vessels land plaice from Skagerrak. Table 1 shows the market size categories for these species together with the number of fish taken in 2008 by IMARES per size category for an age and length sample.

Representative sampling by size category, by harbour and by quarter

Representative sampling by size category, by harbour by quarter is carried out for plaice, sole, turbot and brill. Representative sampling implies that by size category the length distribution of the sample corresponds to that of the landings of that size category. Each fish sample consists of a certain number of fish per size category from one vessel, which is taken in a fish auction (see Table 1). There are three levels of stratification: by harbour, quarter and market size category. Sampling is restricted to 4 or 5 major landing ports depending on the national landings per species. The number of samples are taken approximately in proportion to the expected landings in these ports and take account of differences in effort of various fleet components in different fishing areas. The sampling levels are based on both the Dutch as well as the foreign landings in the Netherlands.

During spawning time (plaice: first quarter; sole, turbot and brill: second quarter), sampling is intensified to obtain detailed biological parameters (maturity data and weight at age of the stock).

Plaice landings are marketed in 4 and sole in 5 size categories. Samples consist of 15 (plaice) or 10 (sole) fish in each size category bought from the vessel selected.

Turbot landings are marketed in 6 and brill in 3 size categories. Samples consist of 10 (turbot) or 15 (brill) fish in each size category bought from the vessel selected.

In addition, the total landings of the vessel, the amount landed in each size category, gear, fishing position, vessel name and vessel characteristics are recorded. No separate length samples are taken. The fish are measured and weighed. The ovaries are weighed during the whole year in the laboratory. Sex and maturity stage are recorded and both otoliths are removed for age determination. The age of the fish is determined by counting the number of rings in the otoliths. Details on the planning of the sampling and the actual number of samples taken, are reported in "Technical Report of Activity 2008 – The Netherlands" (Anon., 2009).

Representative sampling by size category and by quarter

Representative sampling by size category and by quarter is carried out for lemon sole. There are two levels of stratification: by quarter and market size category.

Non-representative sampling by quarter

Non-representative sampling by quarter is carried out for dab. This implies that each quarter both length and age samples are collected.

2.2 Cod and Whiting

Cod and whiting are mainly caught by beam trawlers and to lesser extend by pair and otter trawlers in the North Sea. The latter two fleets have almost disappeared over the last ten years. Roundfish is mainly sampled in the auctions of IJmuiden and Urk and partly in Stellendam, Vlissingen and Scheveningen. The distribution of the age and length sampling by quarter should reflect the landings by quarter. Table 1 shows the market size categories for cod and whiting together with the number of fish taken in 2008 by IMARES per size category per age or length sample.

Cod landings are sorted in 6 market categories. Otolith samples and length measurements are taken in the auction. An age sample from an individual vessel consists of approximately 50 fish (and each length sample consists of at least 50 fish. Age reading is carried out on sectioned otoliths mounted on slides.

Whiting landings are in general sold unsorted. Length measurements are collected in the auction. The age samples are bought and processed in the laboratory. Each sample consists of 50 fish and both otoliths are collected. Age reading is carried out on sectioned otoliths mounted on slides.

Prior to the assessment working group meetings, age-length-keys are prepared for each quarter. Based on the samples, the quarterly length composition per market category is calculated. Information from a number of fish auctions on the landings per market size category is used to raise the quarterly landings by market category. The age-length keys are then used to derive the quarterly numbers and weights at age.

2.3 Herring, Mackerel, Horse Mackerel, Blue Whiting and Greater Argentine

The Dutch pelagic fleet consists of large freezer trawlers and pair trawlers, all using a pelagic trawl. In addition, a number of freezer trawlers and pair trawlers fishing under German, English and French flags land their fish mainly in the Netherlands (mainly IJmuiden and Scheveningen). The market sampling intensity has taken into account the landings of these 'foreign' vessels in the Netherlands. Biological samples of pelagic fish (horse mackerel, mackerel, herring, blue whiting and greater argentine) are taken from catches of the commercial fleet landing in the Netherlands. There are no size categories for the fish landed by the pelagic trawlers.

Trained crewmembers of selected commercial vessels are taking unsorted fish samples (frozen blocks of 20-23 kg) from the catches according to instructions obtained from IMARES. These vessels are also supplying information on all hauls (dates, positions, hours fishing, species compositions, etc.). The ships collect samples only from medium to large catches. The sampling scheme is that at least one sample per week per species per ICES Division or Subdivision is taken. This way of sampling has the advantage that the distribution of the collected samples represents roughly the distribution of the fishery by the pelagic fleet. The frozen samples are collected by IMARES staff after arrival of the vessels in a Dutch port. The samples are weighted and all fish are sorted into cm-groups (0.5cm for herring) in the laboratory. A sub-sample of 25 fish, representative for the length distribution in the sample is taken for further biological measurements such as age, weight, sex and maturity in such a way that the length frequency distribution in the sub-sample is representative for the length distribution of the total catch.

2.4 Rays

From 2001 onwards IMARES included the length sampling of rays from commercial landings. These species include blond ray, cuckoo ray, spotted ray, starry ray and thornback ray. Rays are mainly caught by beam trawlers and are sampled mainly in the auctions of IJmuiden, Urk and Stellendam. Table 1 shows the market size categories for rays together with the number of fish taken in 2008 by IMARES per size category for a length sample. Rays are sorted

in 4 market categories. Length measurements are taken in the auction by species. The weight by size category by species is estimated.

2.5 Norway lobster

From 2002 onwards IMARES included the length sampling of Norway lobster from commercial landings in its sampling programme. Norway lobster are mainly caught by twin trawls (multi-rig otter trawls) in the North Sea and are sampled in the auction in Den Oever. Table 1 shows the market size categories together with the number of Norway lobster to be taken in 2007 by IMARES per size category for a length sample. Next to the 4 market categories for whole lobsters, there is an extra category for tails. Length measurements of the carapax are collected in the auction or samples are bought and processed at the laboratory. Of each size category the carapace length of 100 Norway lobsters should be measured. Of the tails the width of the 5th abdominal segment has to be measured. Based on this width and the sex, the original carapax length can be estimated. For whole Norway lobster, as well as for tails, information on sex, egg-carrying and ex-egg-carrying is collected

2.6 Red mullet

Red Mullet was added to the Dutch market sampling project in 2005. In general, red mullet are mainly caught by twin trawls. Red mullet is a delicate species and treated with care to enhance the value. The landings are sorted into 4 categories in which two species of Red mullet are mixed sometimes; *Mullus surmuletus* and *Mullus barbatus*. Usually it is avoided to sample the mixed landings. Only length measurements are taken in the auction, therefore no age composition is available.

2.7 Bass

Bass is included in the marketsampling project since 2005. Bass is mainly caught by relative small coastal vessels using gillnets and to a lesser extend other forms of passive gears. Officially, Bass is sorted into 4 market categories and are sampled for ages by these categories. The categories are often mixed, resulting in a mixed sample. The samples are aged by CEFAS colleagues in Lowestoft.

2.8 Common shrimp

Since 2007, Common shrimp (*Crangon crangon*) is included in the Dutch sampling programme. Shrimp are mainly caught by dedicated beamtrawlers fishing in the coastal zone with a fine mesh.

Shrimp are landed already boiled and based on tradecategories, landings are sorted in the auction into 3 categories. Samples are taken after sorting and a representative number of shrimp is measured. No ageing takes place on shrimp.

3 Data processing and data usage

All data collected in 2008 and in previous years are stored in a central database (FRISBE) at IMARES. When biological data are imported in the database, they are checked for validity (is entered weight acceptable for length of the fish, is the age acceptable for the length of the fish, etc.). Before the meetings of the ICES assessment working groups the Dutch catches in tonnes by area of the relevant commercial species are converted to quarterly / monthly catches in numbers at age by area. The corresponding mean weights at age, the mean length at age, etc. are calculated.

The age and length samples will be used to construct age-length-keys (ALK's) by which a representative catch in tonnes can be converted into numbers by age group. Such ALK's can be constructed on a monthly, quarterly or yearly basis by (sub)area or areas combined and by market size category. The required level of stratification will be specified by the relevant ICES assessment Working Groups and differ by stock and also require desegregated information on the landing statistics by market size category of the sampling year. This information is not available at the time of production of this report and is therefore not included.

This report presents the actual biological sampling of the landings in 2008, but it does not include an evaluation of the sampling, as this is included in the "Technical Report of Activity 2008 – The Netherlands" (Anon., 2009).

4 Other data

4.1 Age samples from Dutch research vessel surveys

During Dutch Research Vessel Surveys biological samples are taken from catches of various species to collect information on age, length and maturity. During these surveys (International Bottom Trawl Surveys (IBTS-1 and IBTS-3), Herring Echo Survey (Echo), North Sea Mackerel Egg Survey (Egg), Demersal Fish Survey (DFS), Beam Trawl Survey (BTS) and Sole Net Survey (SNS)) length distributions are collected. Age length-keys are used to convert these length distributions to numbers-at-age. In most cases these samples are stratified by rectangle or sampling area. In general a fixed number of otoliths are collected for each cm-group in each stratum.

Age samples collected from research vessel surveys are not used for the calculation of the catch in numbers at age based on the Dutch landings with the possible exception of cod and whiting. Since 2003, details of the biological sampling during research vessel surveys are no longer described in this report.

4.2 Discard samples taken on commercial vessels

In 2008 discard sampling was carried on board of beam trawlers, freezer trawlers and *Nephrops* trawlers in all quarters. Since 2003, details of the biological sampling discard surveys are no longer described in this report.

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Annex I Tables

Table 1: Market size categories as applied in Dutch auctions and the number of fish taken in 2007 by IMARES per size category for an age and length sample

LENGTH Species	Market size category	From	To (not inclusive)	Nr of fish in one AGE one	
				sample	sample
Sole	1	38 cm	and larger	10	-
Sole	2	33 cm	38 cm	10	-
Sole	3	30 cm	33 cm	10	-
Sole	4	27 cm	30 cm	10	-
Sole	5	24 cm	27 cm	10	-
Plaice	1	41 cm	and larger	15	-
Plaice	2	35 cm	41 cm	15	-
Plaice	3	31 cm	35 cm	15	-
Plaice	4	27 cm	31 cm	15	-
Turbot	1+	6 kg	and more	↓	-
Turbot	1	4 kg	6 kg	10	-
Turbot	2	3 kg	4 kg	10	-
Turbot	3	2 kg	3 kg	10	-
Turbot	4	1 kg	2 kg	10	-
Turbot	5	0,5 kg	1 kg	10	-
Turbot	6	25 cm	0,5 kg	↑	-
Brill	1+	2 kg	and more	↓	-
Brill	1	40 cm (1 kg)	and larger (2 kg)	15	-
Brill	2	30 cm (0,4 kg)	40cm (1 kg)	15	-
Brill	3	25 cm	30 cm (0,4 kg)	15	-
Lemon sole	1	37 cm	and larger	10	-
Lemon sole	2	31 cm	37 cm	10	-
Lemon sole	3	25 cm	31 cm	10	-
Dab	1	30 cm	and larger	25	25
Dab	2	23 cm	30 cm	↑	25
Whiting	1	40 cm	and larger	↓	↓
Whiting	2	36 cm	40 cm	↓	↓
Whiting	3	32 cm	36 cm	50 #	50 #
Whiting	4	27 cm	32 cm	↑	↑
Cod	1	88 cm	and larger	10	10
Cod	2	72 cm	88 cm	10	10
Cod	3	55 cm	72 cm	10	10
Cod	4	46 cm	55 cm	10	10
Cod	5 @	35 cm	46 cm	10	10
Norway lobster	1+	10 / kg	and less	-	↓
Norway lobster	1	11 / kg	20 / kg	-	100
Norway lobster	2	21 / kg	30 / kg	-	100
Norway lobster	3	31 / kg	40 / kg	-	100
Norway lobster	4	41 / kg	and more	-	100
Norway lobster	5	only tails	-	100	
Ray (Raja spp)	1	5 kg	and more	-	30
Ray (Raja spp)	2	3 kg	5 kg	-	30
Ray (Raja spp)	3	1 kg	3 kg	-	30
Ray (Raja spp)	4	0,3 kg	1 kg	-	30

↓ Combined with the lower size category

↑ Combined with the higher size category

@ Size category 5 can be split in two categories 5 and 6

Whiting are usually sold unsorted

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 Overview of sampling information
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Type	species	sample type	area	Q	number of samples	Number measured	Number aged
Commercial	Bass	age/length	IVC	1	1	35	35
				2	2	77	77
				3	1	45	45
				4	1	45	45
					-----	-----	-----
					5	202	202
					=====	=====	=====
Blue whiting		age/length	VIA	1	1	232	25
				2	12	2657	300
			VIIIC	1	58	10739	1450
			VIIJ	1	2	573	50
			VIIK	1	2	319	50
					-----	-----	-----
					75	14520	1875
					=====	=====	=====
Brill		age/length	IVB	1	2	115	115
				2	2	96	96
				3	2	77	77
				4	4	199	199
			IVC	1	4	191	191
				2	1	30	30
				3	3	135	135
				4	3	147	147
					-----	-----	-----
					21	990	990
					=====	=====	=====
Cod		age	IVB	1	2	114	
				2	2	106	
				3	1	50	
				4	4	208	
			IVC	1	6	315	
				3	1	45	
				4	4	228	
					-----	-----	-----
					20	1066	
					=====	=====	=====
		length	IVB	1	4	212	
				2	4	192	
				3	1	50	
				4	6	310	
			IVC	1	10	525	
				2	2	99	
				3	3	113	
				4	10	581	
					-----	-----	-----
					40	2082	
					=====	=====	=====
Common Shrimp		length	IVB	1	1	106	
				2	2	238	
				3	1	128	
				4	1	108	
			IVC	1	2	687	
				2	4	878	
				3	5	1224	
				4	7	1621	
					-----	-----	-----
					23	4990	
					=====	=====	=====
Dab		age	IVB	1	1	25	
				2	1	25	

	3	2	50
	4	1	25
IVC	1	2	50
	2	2	50
	3	1	25
	4	2	50
	<hr/>		<hr/>
		12	300
	<hr/>		<hr/>
length	IVB	1	251
		2	146

Institute for Marine Resources & Ecosystem Studies (IMARES)
 Overview of sampling information
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Type	species	sample type	area	Q	number of samples	Number measured	Number aged
Commercial	Dab	length	IVB	3	2	234	
				4	2	170	
			IVC	1	6	642	
				2	4	437	
				3	2	160	
				4	8	676	
						-----	-----
					27	2716	
					=====	=====	=====
	Greater argentine	age/length	VIA	2	25	1695	625
					-----	-----	-----
					25	1695	625
					=====	=====	=====
	Herring	age/length	IIA	3	58	6492	1450
			IIB	3	3	445	75
			IVA	2	22	3255	550
				3	39	3949	975
			IVB	3	1	216	25
			IVC	1	2	387	50
			VIA	3	2	180	50
			VIID	1	15	2627	375
				4	4	509	100
					-----	-----	-----
					146	18060	3650
					=====	=====	=====
	Horse mackerel	age/length	IVA	3	1	54	25
			NVT	3	1	209	25
			VIIIB	4	17	2128	425
			VIIC	4	4	417	100
			VIID	1	18	2608	450
				4	9	1386	225
			VIIIE	1	2	229	50
				3	7	1236	175
				4	8	1356	200
			VIIH	1	1	168	25
			VIIIB	1	2	390	50
				2	13	2577	325
				3	3	656	75
			VIIJ	1	3	396	75
				2	4	532	100
				3	9	1088	225
			VIIK	1	1	114	25
					-----	-----	-----
					103	15544	2575
					=====	=====	=====
	Lemon sole	age/length	IVB	1	1	41	41
				2	1	75	75
				3	1	50	50
				4	1	50	50
					-----	-----	-----
					4	216	216
					=====	=====	=====

Mackerel	age/length	IVA	2	3	333	75
			3	6	586	150
			4	4	245	100
		IVB	2	1	156	25
		IVC	1	1	93	25
			3	1	96	25
		VIA	2	3	336	75
			3	1	140	25
		VIID	1	5	504	125
			4	1	81	25
		VIIE	3	2	262	50
			4	2	333	50
		VIIIB	1	2	256	50
			2	1	130	25
			3	3	271	75
		VIIJ	1	9	751	225
			2	1	64	25
			3	2	169	50
		VIIK	1	1	55	25

			49	4861	1225	
			=====			
Nephrops	age/length	IVB	1	3	1337	
			2	9	4252	
			3	10	4008	
			4	7	3181	

			29	12778		
			=====			
Plaice	age/length	IIIA	2	1	60	60
		IVB	1	14	836	836
			2	9	540	540
			3	15	880	880
			4	14	840	840
		IVC	1	9	537	537
			2	1	60	60
			3	2	120	120
			4	5	295	295

			70	4168	4168	
			=====			
Ray blond	age/length	IVB	1	1	1	1
		IVC	1	15	192	192
			2	3	10	10
			3	5	30	30
			4	11	147	147

			35	380	380	
			=====			
Ray cuckoo	age/length	IVB	3	1	1	1

			1	1	1	1
			=====			
Ray spotted	age/length	IVB	1	1	16	16
			2	1	11	11
			3	1	23	23
		IVC	1	14	144	144
			2	2	29	29
			3	6	102	102
			4	13	192	192

			38	517	517	
			=====			
Ray thornback	age/length	IVB	1	1	19	19
			2	1	9	9
			3	1	4	4
		IVC	1	16	353	353
			2	4	51	51
			3	7	174	174
			4	13	290	290

		VIID	4	1	23	23
			-----	-----	-----	-----
			44	923	923	
			=====	=====	=====	=====
Red mullet	length	IVC	2	2	125	
			3	2	79	
			-----	-----	-----	-----
			4	204		
			=====	=====	=====	=====
Sole	age/length	IVB	1	6	300	300
			2	6	300	300
			3	6	300	300
			4	4	200	200
		IVC	1	12	600	600
			2	20	999	999
			3	6	300	300
			4	9	449	449
		VIID	2	2	100	100
			-----	-----	-----	-----
			71	3548	3548	
			=====	=====	=====	=====
Turbot	age/length	IVB	1	1	60	60
			2	2	113	113
			3	6	302	302
			4	4	217	217
		IVC	1	1	40	40
			2	1	54	54
			3	1	55	55
			4	2	112	112
			-----	-----	-----	-----
			18	953	953	
			=====	=====	=====	=====
Whiting	age	IVB	2	1		50
			3	2		100
		IVC	1	3		150
			2	1		50
			4	4		200
		VIID	1	1		50
			-----	-----	-----	-----
			12			600
			=====	=====	=====	=====
	length	IVB	1	1	40	
			2	1	208	
			3	4	475	
		IVC	1	5	783	
			2	3	231	
			3	1	49	
			4	7	861	
		VIID	1	2	221	
			-----	-----	-----	-----
			24	2868		
			=====	=====	=====	=====

Table : 2a

Species : Sole
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

IMARES, 07JUL2009 16:31:44

	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Sample weight (kg)	Number measured	Number aged
area													
IVB	111001	14/01/2064	UK382	Beam trawl	37F6	20	79	439	722	284	50	50	
	111002	14/01/2064	UR184	Beam trawl	38F6	44	92	378	661	345	50	50	
	111007	11/02/2064	UK2	Beam trawl	37F4	69	185	469	618	246	50	50	
	111011	22/02/2064	TX68	Beam trawl	36F1	415	812	876	1437	1137	50	50	
	111013	10/03/2064	UK61	Beam trawl	38F5	61	162	439	679	317	50	50	
	111014	10/03/2064	PD126	Beam trawl	38F5	37	93	401	461	168	50	50	
						646	1423	3002	4578	2497			
IVC	111003	18/01/2064	VLI26	Beam trawl	31F2	207	272	337	1271	1596	50	50	
	111004	18/01/2064	ARM18	Beam trawl	31F2	114	170	318	871	905	50	50	
	111005	18/01/2064	SL42	Beam trawl	32F2	217	484	853	990	641	50	50	
	111006	25/01/2064	TX38	Beam trawl	35F3	47	93	277	911	1097	50	50	
	111008	15/02/2064	GO22	Beam trawl	33F3	197	484	884	752	609	50	50	
	111009	15/02/2064	ARM7	Beam trawl	31F2	245	408	532	1365	1613	50	50	
	111010	15/02/2064	VLI28	Beam trawl	31F3	63	83	89	351	209	50	50	
	111012	07/03/2064	GO22	Beam trawl	34F3	236	398	543	683	465	50	50	
	111015	14/03/2064	VLI25	Beam trawl	32F2	183	210	501	1707	2044	50	50	
	111016	14/03/2064	GO20	Beam trawl	33F3	137	267	457	496	290	50	50	
	111017	14/03/2064	GO14	Beam trawl	34F2	79	197	299	638	598	50	50	
	111018	21/03/2064	TX36	Beam trawl	34F3	228	543	537	841	698	50	50	
						1953	3609	5627	10876	10765	600	600	
						2599	5032	8629	15454	13262	900	900	

Table : 2b
Species : Sole
Year : 2008, quarter : 2
Type : Commercial , age/length
Area type : ICES div samples

Table : 2c
 Species : Sole
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Sample weight (kg)					Number measured	Number aged
						Cat 1	Cat 2	Cat 3	Cat 4	Cat 5		
IVB	111048	14/07/2064	UK61	Beam trawl	37F7	33	132	565	841	510	50	50
	111049	14/07/2064	UK243	Beam trawl	38F7	48	81	405	572	320	50	50
	111051	25/07/2064	UK1	Beam trawl	36F2	20	142	308	592	89	50	50
	111054	18/08/2064	UK168	Beam trawl	37F7	8	114	555	753	580	50	50
	111055	18/08/2064	LE62	Beam trawl	36F5	56	199	612	618	355	50	50
	111056	08/09/2064	UK382	Beam trawl	37F7	25	129	788	882	1004	50	50
						190	797	3233	4258	2858	-----	-----
IVC	111047	11/07/2064	GO37	Beam trawl	35F3	41	200	498	664	336	-----	-----
	111050	18/07/2064	TX48	Beam trawl	34F4	25	140	409	585	429	50	50
	111052	11/07/2064	ARM44	Beam trawl	31F2	98	221	448	1732	2266	50	50
	111053	15/08/2064	ARM4	Beam trawl	32F2	69	67	386	930	1094	50	50
	111057	12/09/2064	TX36	Beam trawl	34F2	66	248	550	1105	779	50	50
	111061	19/09/2064	GO27	Beam trawl	35F2	49	400	697	567	195	50	50
						-----	-----	-----	-----	-----	-----	-----
						348	1276	2988	5583	5099	300	300
						-----	-----	-----	-----	-----	-----	-----
						538	2073	6221	9841	7957	600	600
						=====	=====	=====	=====	=====	=====	=====

IMARES, 07JUL2009 16:31:44

TIME, 07JUL2009 16:31:44
Table : 2d

Species : Sole
Year : 2008, quarter : 4
Type : Commercial , age/length
Area type : ICES div samples

Table : 3a

	Species	Year	Type	Area type	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVB	Plaice	2008, quarter : 1	Commercial , age/length samples	ICES div	101002	14/01/2008	R450K	Beam trawl	39F6	728	3640	6495	5615	60	60	
		101003	14/01/2008	UK184				Beam trawl	38F6	3377	1832	3382	3241	60	60	
		101004	14/01/2008	UK197				Beam trawl	37F6	478	2052	3616	3332	60	60	
		101005	14/01/2008	UK382				Beam trawl	37F6	291	1301	2674	3315	60	60	
		101006	14/01/2008	UK64				Beam trawl	37F4	451	1898	3303	3175	60	60	
		101007	14/01/2008	PD63				Beam trawl	38F7	1251	3135	467	7120	60	60	
		101010	11/02/2008	LT62				Beam trawl	37F4	1162	3557	5683	6864	60	60	
		101011	11/02/2008	UK382				Beam trawl	37F6	391	1343	2823	2972	60	60	
		101012	11/02/2008	UK2				Beam trawl	37F6	521	2037	2721	2017	60	60	
		101013	11/02/2008	UK19				Beam trawl	36F2	448	1617	2630	3057	60	60	
		101015	11/02/2008	UK292				Beam trawl	38F5	1059	721	1450	1441	60	60	
		101020	10/03/2008	GY57				Beam trawl	40F4	8	22	113	308	56	56	
		101021	10/03/2008	UK61				Beam trawl	38F5	157	798	1933	1983	60	60	
		101022	10/03/2008	PD126				Beam trawl	38F5	276	971	1839	1678	60	60	
														836	836	
IVC	Plaice	2008, quarter : 1	Commercial , age/length samples	ICES div	101001	11/01/2008	GO26	Beam trawl	33F3	1452	2225	2907	5690	60	60	
		101008	18/01/2008	GO48				Beam trawl	33F2	494	1105	1817	2742	60	60	
		101009	25/01/2007	TX1				Beam trawl	35F2	688	2089	2370	2969	60	60	
		101014	11/02/2008	UK143				Beam trawl	35F3	642	1484	1913	1780	60	60	
		101016	15/02/2008	GO22				Beam trawl	33F3	246	56	106	1193	60	60	
		101017	22/02/2008	GO26				Beam trawl	33F3	177	194	322	1614	60	60	
		101018	22/02/2008	TX43				Beam trawl	34F3	145	515	847	1468	58	58	
		101019	07/03/2008	GO22				Beam trawl	34F3	199	436	546	1568	60	60	
		101023	21/03/2008	TX3				Beam trawl	35F1	98	370	878	2287	59	59	
														537	537	
														1373	1373	

IMARES, 07JUL2009 16:31:44

Table : 3b

IMARES, 07JUL2009 16:31:44

Species : Plaice
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)		Number measured	Number aged
						43F8	632	3507	5978	4178	-----		
IIIA	101030	19/05/2008	UK2	Beam trawl	632	3507	5978	4178	-----	-----	-----	60	60
IVB	101024	14/04/2008	UK2	Beam trawl	37F5	224	458	534	492	-----	-----	60	60
	101025	14/04/2008	LT87	Beam trawl	39F5	1078	6393	8583	4923	-----	-----	60	60
	101026	14/04/2008	UK20	Twin trawl	40F4	96	446	1153	869	-----	-----	60	60
	101028	19/05/2008	LT60	Beam trawl	39F3	1596	4226	5301	4689	-----	-----	60	60
	101029	19/05/2008	UK243	Beam trawl	37F7	41	152	377	777	-----	-----	60	60
	101031	19/05/2008	UK64	Twin trawl	39F4	342	1385	2518	2504	-----	-----	60	60
	101032	23/06/2008	LE63	Beam trawl	36F4	399	704	601	677	-----	-----	60	60
	101033	23/06/2008	UK33	Beam trawl	36F4	174	413	573	768	-----	-----	60	60
	101034	23/06/2008	UK167	Beam trawl	36F4	590	883	920	916	-----	-----	60	60
					4540	15060	20560	16615	540	-----	-----	540	540
IVC	101027	09/05/2008	GO26	Beam trawl	33F3	130	206	254	659	-----	-----	60	60
						130	206	254	659	-----	-----	60	60
						5302	18773	26792	21452	660	660	660	660

Table : 3c

Species : Plaice
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

IMARES, 07JUL2009 16:31:44

area	sample number	landing date	vessel	gear	ices rect	Sample weight (kg)				Number measured	Number aged
						Cat 1	Cat 2	Cat 3	Cat 4		
IVB	101036	14/07/2008	UK34	Beam trawl	37F4	455	1169	874	1090	40	40
	101037	14/07/2008	UK61	Beam trawl	37F7	164	396	564	933	60	60
	101038	14/07/2008	LT87	Beam trawl	39F5	551	2967	3146	2433	60	60
	101039	14/07/2008	UK243	Beam trawl	38F5	296	766	1116	1810	60	60
	101040	14/07/2008	UK168	Beam trawl	43F6	484	3036	6474	3572	60	60
	101041	25/07/2008	UK1	Beam trawl	36F2	100	661	1010	1718	60	60
	101042	18/08/2008	LE62	Beam trawl	38F5	372	685	792	1368	60	60
	101043	18/08/2008	NG1	Otter trawl	38F5	140	680	1609	3736	60	60
	101044	18/08/2008	UK168	Beam trawl	37F7	25	99	225	283	60	60
	101045	25/08/2008	UK34	Beam trawl	38F6	244	668	1285	2364	60	60
	101046	08/09/2008	UK382	Beam trawl	40F2	263	530	729	1323	60	60
	101047	08/09/2008	UK210	Twin trawl	37F6	227	855	1376	1725	60	60
	101048	08/09/2008	LT60	Beam trawl	37F2	2603	6640	5950	5510	60	60
	101049	08/09/2008	UK217	Twin trawl	41F4	357	1892	1839	3726	60	60
	101050	08/09/2008	UK227	Beam trawl	37F5	333	674	1050	1507	60	60
						-----	-----	-----	-----	-----	-----
						6614	21718	28039	33098	-----	880
						-----	-----	-----	-----	-----	-----
IVC	101035	11/07/2008	GO37	Beam trawl	35F3	40	321	675	1383	60	60
	101051	13/09/2008	TX36	Beam trawl	34F2	43	196	452	873	60	60
						-----	-----	-----	-----	-----	-----
						83	517	1127	2256	120	120
						-----	-----	-----	-----	1000	1000
						6697	22235	29166	35354	=====	=====

Table : 3d

IMARES, 07JUL2009 16:31:44												
Species	: Plaice	Year	: 2008, quarter	: 4	Type	: Commercial	, age/length	samples	Area type	: ICES div		
area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVB	101054	13/10/2008	UK33	Beam trawl	36F3	813	1332	1308	3600	60	60	
	101055	13/10/2008	UK382	Beam trawl	38F6	239	563	810	1405	60	60	
	101056	13/10/2008	SC45	Twin trawl	39F4	382	1086	1751	3782	60	60	
	101057	13/10/2008	UK172	Beam trawl	38F6	231	485	773	1468	60	60	
	101058	10/11/2008	NG5	Twin trawl	37F4	232	928	1382	1518	60	60	
	101059	10/11/2008	LE62	Beam trawl	39F5	640	1345	1705	3258	60	60	
	101060	10/11/2008	UK158	Twin trawl	38F4	440	1497	2024	2356	60	60	
	101061	10/11/2008	SC35	Twin trawl	37F4	453	1281	1508	2006	60	60	
	101064	17/11/2008	UK172	Beam trawl	37F3	673	1620	1992	2350	60	60	
	101065	17/11/2008	GY127	Twin trawl	39F5	357	1445	3291	5368	60	60	
	101067	08/12/2008	PD63	Beam trawl	36F5	267	782	902	1281	60	60	
	101068	08/12/2008	LE63	Beam trawl	36F4	249	759	980	1233	60	60	
	101069	08/12/2008	PD43	Beam trawl	40F6	469	3013	5023	4919	60	60	
	101070	08/12/2008	UK33	Beam trawl	36F3	1297	2177	2462	4639	60	60	
						6742	18313	25911	39183	-----	-----	840
IVC	101052	10/10/2008	KW145	Beam trawl	34F3	738	1231	1278	2935	60	60	
	101053	10/10/2008	TX36	Beam trawl	35F3	338	1061	1095	1829	59	59	
	101062	14/11/2008	HD4	Beam trawl	35F3	1891	4367	3894	4889	56	56	
	101063	14/11/2008	TX94	Beam trawl	35F4	765	1025	820	1519	60	60	
	101066	21/11/2008	OD6	Beam trawl	33F3	86	585	869	2335	60	60	
						3818	8269	7956	13507	-----	295	295
						10560	26582	33867	52690	=====	1135	1135

Table 4a

IMARES, 07 JUL 2009 16:31:44

Species : Turbot
 Year : 2008, quarter : 1
 Type : Commercial , age/length
 Area type : ICES div samples

area	sample number	landing date	vessel	ices rect					Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Number measured (kg)	Sample weight (kg)	Number aged
				gear	rect	rect	rect	rect								
IVB	141002	11/02/2008	UK2	Beam trawl	37F6	69	42	150	270	155	—	—	—	60	60	—
IVC	141001	14/01/2008	UK133	Beam trawl	34F3	0	14	13	52	142	—	—	—	40	40	—

Table 4b

IMARES, 07 JUL 2009 16:31:44

Species : Turbot
 Year : 2008, quarter : 2
 Type : Commercial , age/length
 Area type : ICES div samples

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Sample weight (kg)	Number measured	Number aged
IVB	141003	14/04/2008	ST27	Beam trawl	37F7	53	63	101	277	250	61	61	
	141005	19/05/2008	UK227	Beam trawl	37F6	32	19	77	111	214	52	52	
IVC	141004	09/05/2008	GO26	Beam trawl	33F3	85	82	178	388	464	113	113	
						48	18	45	46	145	54	54	
						48	18	45	46	145	54	54	
						133	100	223	434	609	167	167	

TIMEAS, 07JUL2009 16:31:44

Species : Turbot
 Year : 2008, quarter : 3
 Type : Commercial , age/length
 Area type : ICES div samples

	sample area number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Number measured	Sample weight (kg)	Number aged
IVB	141006	14/07/2008	UK243	Beam trawl	37F7	14	35	117	257	273	53	53	
	141008	08/08/2008	KW34	Beam trawl	37F2	46	50	49	130	192	60	60	
	141009	18/08/2008	LE62	Beam trawl	37F5	8	19	88	217	206	48	48	
	141010	18/08/2008	UK87	Beam trawl	37F7	17	15	51	136	330	50	50	
	141011	25/08/2008	UK34	Beam trawl	38F6	24	33	45	260	167	35	35	
	141012	08/09/2008	UK382	Beam trawl	37F7	29	50	129	273	651	56	56	
					138	202	479	1273	1819	-----	302	302	
					23	38	55	120	258	-----	55	55	
					23	38	55	120	258	-----	55	55	
					161	240	534	1393	2077	-----	357	357	
IVC	141007	18/07/2008	TX43	Beam trawl	35F3	-----	-----	-----	-----	-----	=====	=====	

Table : 4d

IMARES, 07JUL2009 16:31:44

Species : Turbot
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ICES rect					Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Sample weight (kg)	Number measured	Number aged
					Cat 1	Cat 2	Cat 3	Cat 4	Cat 5								
IVB	141013	13/10/2008	UK382	Beam trawl	38F6	8	22	88	297	443						62	62
	141014	10/11/2008	LD62	Beam trawl	38F5	14	40	169	205	154						53	53
	141016	17/11/2008	UK20	Beam trawl	37F3	16	48	129	212	135						54	54
	141018	08/12/2008	ST27	Beam trawl	36F3	5	23	96	151	111						48	48
					-	-	-	-	-							-	-
					43	133	482	865	843							217	217
IVC	141015	14/11/2008	TX1	Beam trawl	34F2	30	67	88	117	11						52	52
	141017	21/11/2008	GO26	Beam trawl	34F2	42	41	52	77	76						60	60
					-	-	-	-	-							-	-
					72	108	140	194	87							112	112
					115	241	622	1059	930							329	329
					====	====	====	====	====							====	====

Table : 5a

IMARES, 07 JUL 2009 16:31:44

Species : Brill
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

area sample number	landing date	vessel	gear	ices rect	Sample weight (kg)			Number measured	Number aged
					Cat 1	Cat 2	Cat 3		
TVB	131002 11/02/2008	UK2	Beam trawl	37F6	146	242	5	64	64
	131005 10/03/2008	UK61	Beam trawl	38F5	120	159	6	51	51
					266	401	11		
TVC	131001 14/01/2008	UK133	Beam trawl	34F3	52	61	18		
	131003 15/02/2008	ARM20	Beam trawl	32F3	143	189	8		
	131004 07/03/2008	GO22	Beam trawl	34F3	46	18	9		
	131006 14/03/2008	GO14	Beam trawl	34F2	76	37	10		
					317	305	45		
					583	706	56		
					=====	=====	=====	306	306

Table : 5b

Species	Year	Type	Area type	Brill				IMARES, 07JUL2009 16:31:44						
				sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3			
IVB	131007	14/04/2008	ST27	Beam trawl	37F7	151	309	63	52	52				
	131008	19/05/2008	UK227	Beam trawl	37F6	44	66	3	44	44				
IVC	131009	23/05/2008	G08	Beam trawl	33F3	195	375	66	96	96				
						36	29	8	30	30				
IVB	131011	14/07/2008	UK243	Beam trawl	37F7	22	61	3	32	32				
	131014	08/09/2008	UK382	Beam trawl	37F7	54	98	47	45	45				
IVC	131010	11/07/2008	G037	Beam trawl	35F3	76	159	50	77	77				
	131012	08/08/2008	G026	Beam trawl	33F3	18	29	12	44	44				
	131013	15/08/2008	ARM15	Beam trawl	32F2	116	53	8	46	46				
Table : 5c	Brill				IMARES, 07JUL2009 16:31:44									
Species	Year	Type	Area type	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	131011	14/07/2008	UK243	Beam trawl	37F7	255	271	85	212	212				
	131014	08/09/2008	UK382	Beam trawl	37F7	179	112	35	135	135				
IVC	131010	11/07/2008	G037	Beam trawl	35F3	116	53	8	45	45				
	131012	08/08/2008	G026	Beam trawl	33F3	255	271	85	212	212				
	131013	15/08/2008	ARM15	Beam trawl	32F2	179	112	35	212	212				

Table : 5d

IMARES, 07JUL2009 16:31:44

Species : Brill
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	131015	13/10/2008	UK382	Beam trawl	38F6	106	87	14	45	45	
	131016	10/11/2008	IE62	Beam trawl	38F5	99	39	4	47	47	
	131017	10/11/2008	2198	Beam trawl	39F6	210	49	5	57	57	
	131020	08/12/2008	ST27	Beam trawl	36F3	69	73	8	50	50	
IVC	131018	21/11/2008	G026	Beam trawl	34F2	123	116	32	60	60	
	131019	21/11/2008	SL42	Beam trawl	33F2	139	121	15	45	45	
	131021	12/12/2008	ARM7	Beam trawl	31F2	132	137	4	42	42	

Table : 6a

IMARES, 07JUL2009 16:31:44

Species : Dab
 Year : 2008, quarter : 1
 Type : Commercial , age samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Sample weight (kg)	Number aged
IVB	121002	14/01/2008	UK382	Beam trawl	37F6	2653	-----	25
						2653	-----	25
IVC	121001	11/01/2008	UK172	Beam trawl	34F3	594	-----	25
	121003	15/02/2008	OD6	Beam trawl	33F3	875	-----	25
						1469	-----	50
						4122	-----	75
							=====	=====

Table : 6b

Species : Dab

Year : 2008, quarter : 2

Type : Commercial , age

Area type : ICES div

area	sample number	landing date	vessel	gear	Sample weight (kg)			Number aged
					ices rect	Cat 1	2886	
IVB	121004	14/04/2008	LT87	Beam trawl	39F5	2886	25	
						2886	25	
IVC	121005	23/05/2008	OD6	Beam trawl	32F3	695	25	
	121006	20/06/2008	GO28	Beam trawl	35F3	1725	25	
						2420	50	
						5306	75	
						=====	=====	

Table : 6c

Species : Dab

Year : 2008, quarter : 3

Type : Commercial , age

Area type : ICES div

area	sample number	landing date	vessel	gear	Sample weight (kg)			Number aged
					ices rect	Cat 1	336	
IVB	121008	14/07/2008	LT87	Beam trawl	39F5	336	25	
	121009	25/07/2008	UK1	Beam trawl	36F2	311	25	
						647	50	
IVC	121007	11/07/2008	GO37	Beam trawl	35F3	1515	25	
						1515	25	
						2162	75	
						=====	=====	

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table	:	6d					IMARES,	07JUL2009	16:31:44
Species	:	Dab							
Year	:	2008,	quarter	:	4				
Type	:	Commercial	,	age					
Area type	:	ICES div							
area	sample number	landing date	vessel	gear			Sample weight (kg)	Number aged	
IVB	121010	13/10/2008	SC45	Twin trawl	39F4	117	-----	25	
						117	-----	25	
IVC	121011	17/10/2008	G08	Beam trawl	32F3	1620	-----	25	
	121012	14/11/2008	TX94	Beam trawl	35F4	173	-----	25	
						1793	-----	50	
						1910	=====	75	
							=====		

Table : 6e

Species : Dab

Year : 2008, quarter : 1

Type : Commercial , length samples

Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Sample weight (kg)	Number measured
IVB	120002	14/01/2008	UK382	Beam trawl	37F6	2653	186	
	120007	17/03/2008	UK1	Beam trawl	36F1	1011	65	
						3664	-----	251
IVC	120001	11/01/2008	UK172	Beam trawl	34F3	594	-----	209
	120003	18/01/2008	VLI26	Beam trawl	31F2	3297	43	
	120004	01/02/2008	KW88	Beam trawl	33F3	610	36	
	120005	15/02/2008	ARM44	Beam trawl	32F2	8857	62	
	120006	15/02/2008	OD6	Beam trawl	33F3	875	235	
	120008	21/03/2008	KW145	Beam trawl	35F3	393	57	
						14626	-----	642
						18290	-----	893
						=====	=====	=====

Table : 6f IMARES, 07JUL2009 16:31:44

Species : Dab
 Year : 2008, quarter : 2
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Sample weight (kg)	Number measured
IVB	120010	14/04/2008	LT87	Beam trawl	39F5	2886	-----	146
					-----	2886	-----	146
IVC	120009	04/04/2008	GO28	Beam trawl	33F3	1047	-----	49
	120011	23/05/2008	GO20	Beam trawl	33F3	548	-----	37
	120012	23/05/2008	OD6	Beam trawl	32F3	695	-----	127
	120013	20/06/2008	GO28	Beam trawl	35F3	1725	-----	224
					-----	4015	-----	437
					-----	6901	-----	583
					=====	=====	=====	=====

Table : 6g IMARES, 07JUL2009 16:31:44

Species : Dab
 Year : 2008, quarter : 3
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Sample weight (kg)	Number measured
IVB	120015	14/07/2008	LT87	Beam trawl	39F5	336	-----	128
	120016	25/07/2008	JK1	Beam trawl	36F2	311	-----	106
					-----	647	-----	234
IVC	120014	11/07/2008	GO37	Beam trawl	35F3	1515	-----	116
	120017	12/09/2008	GO28	Beam trawl	33F3	666	-----	44
					-----	2181	-----	160
					-----	2828	-----	394
					=====	=====	=====	=====

Species : Dab Year : 2008, quarter : 4
 Type : Commercial , length
 Area type : ICES div samples

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Sample weight (kg)	Number measured
IVB	120018	13/10/2008	SC45	Twin trawl	39F4	117	127	
	120026	19/12/2008	SC41	Twin trawl	37F4	59	43	
IVC	120019	17/10/2008	G08	Beam trawl	32F3	1620	118	
	120020	24/10/2008	G028	Beam trawl	32F2	729	39	
	120021	14/11/2008	TX94	Beam trawl	35F4	173	288	
	120022	21/11/2008	OD6	Beam trawl	33F3	690	40	
	120023	05/12/2008	G058	Otter trawl	33F3	650	60	
	120024	12/12/2008	G028	Beam trawl	35F2	140	44	
	120025	12/12/2008	G038	Beam trawl	35F2	148	44	
	120027	19/12/2008	KW42	Beam trawl	34F2	305	43	

846

Table : 7a

Species : Lemon sole

Year : 2008, quarter : 1

Type : Commercial , age/length samples

Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	161001	11/02/2008	BD126	Beam trawl	38F4	-----	-----	7	-----	41	41
						-----	-----	7	-----	41	41
						=====	=====	7	=====	41	41
						=====	=====	=====	=====	=====	=====

Table : 7b

Species : Lemon sole

Year : 2008, quarter : 2

Type : Commercial , age/length samples

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	161002	23/06/2008	E104	Twin trawl	40F2	34	281	3195	-----	75	75
						34	281	3195	-----	75	75
						34	281	3195	-----	75	75
						=====	=====	=====	=====	=====	=====

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table : 7c

Species : Lemon sole
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	161003	08/09/2008	UK217	Twin trawl	41F4	-----	73	653	-----	50	50
						-----	73	653	-----	50	50
						=====	73	653	=====	50	50

Table : 7d

Species : Lemon sole
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Sample weight (kg)	Number measured	Number aged
IVB	161004	10/11/2008	UT60	Beam trawl	38F1	-----	61	885	-----	50	50
						-----	61	885	-----	50	50
						=====	61	885	=====	50	50

Table 1. MARES: 07.JUL.2009 16:31:44

Species : Cod
Year : 2008, quarter : 1
Type : Commercial , age samples
Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number aged
IVB	191002	14/01/2008	UK184	Beam trawl	38F6	70	85	60	17	3	59		
	191007	10/03/2008	UK61	Beam trawl	37F5	90	93	47	12	3	55		
IVC	191001	11/01/2008	GO26	Beam trawl	33F3	10	95	257	188	124	39		
	191003	18/01/2008	VLI26	Beam trawl	31F2	31	209	380	852	818	0		
IVC	191004	08/02/2008	TX94	Beam trawl	34F4	30	93	88	86	23	0		
	191005	15/02/2008	ARM44	Beam trawl	32F2	0	99	38	410	251	0		
IVC	191006	22/02/2008	GO28	Beam trawl	33F2	32	53	160	114	80	13		
	191008	14/03/2008	GO14	Beam trawl	34F2	11	69	299	261	51	0		
IVC	114				114	618	1222	1911	1347	52			
	274				274	796	1329	1940	1367	61			

Table : 8h

Species : Cod
Year : 2008, quarter : 2
Type : Commercial , age samples
Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number aged
IVB	191009	14/04/2008	HG271	Twin trawl	39F6	98	150	117	54	25	0	50	
	191010	09/05/2008	WR160	Twin trawl	37F2	12	124	59	84	23	19	56	
						110	274	176	138	48	19		106
						110	274	176	138	48	19		106

Table : 8c
 Species : Cod
 Year : 2008, quarter : 3
 Type : Commercial , age samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number aged
IVB	191011	29/08/2008	TX19	Beam trawl	37F1	121	82	109	33	13	0	50	50
IVC	191012	05/09/2008	UK1	Beam trawl	35F2	0	38	143	25	16	0	45	50

Table : 8d
 Species : Cod
 Year : 2008, quarter : 4
 Type : Commercial , age samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number aged
IVB	191013	13/10/2008	SC20	Twin trawl	39F4	18	68	160	40	34	20	52	52
	191014	07/11/2008	SC41	Twin trawl	37F2	17	98	517	383	307	64	52	52
	191015	17/11/2008	WN1	Beam trawl	37F5	30	54	102	39	53	0	49	49
	191019	08/12/2008	JE62	Beam trawl	36F4	47	58	109	21	18	10	55	55
						112	278	888	483	412	94	208	208
IVC	191016	21/11/2008	OD6	Beam trawl	33F3	0	32	107	56	182	0	53	53
	191017	28/11/2008	Z60	Beam trawl	32F1	0	68	655	212	41	0	61	61
	191018	05/12/2008	OD1	Beam trawl	33F2	0	154	440	205	214	59	60	60
	191020	15/12/2008	KW145	Beam trawl	34F3	61	77	197	50	11	0	54	54
						61	331	1399	523	448	59	228	228
						173	609	2287	1006	860	153	436	436

IMARES, 07JUL2009 16:31:44

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number aged
IVB	191013	13/10/2008	SC20	Twin trawl	39F4	18	68	160	40	34	20	52	52
	191014	07/11/2008	SC41	Twin trawl	37F2	17	98	517	383	307	64	52	52
	191015	17/11/2008	WN1	Beam trawl	37F5	30	54	102	39	53	0	49	49
	191019	08/12/2008	JE62	Beam trawl	36F4	47	58	109	21	18	10	55	55
						112	278	888	483	412	94	208	208
IVC	191016	21/11/2008	OD6	Beam trawl	33F3	0	32	107	56	182	0	53	53
	191017	28/11/2008	Z60	Beam trawl	32F1	0	68	655	212	41	0	61	61
	191018	05/12/2008	OD1	Beam trawl	33F2	0	154	440	205	214	59	60	60
	191020	15/12/2008	KW145	Beam trawl	34F3	61	77	197	50	11	0	54	54
						61	331	1399	523	448	59	228	228
						173	609	2287	1006	860	153	436	436

IMARES, 07JUL2009 16:31:44

Table IMARES, 07JUL2009 16:31:44

Species : Cod
Year : 2008, quarter : 1
Type : Commercial , length
Area type : ICES div

Table : 8f

Species : Cod
 Year : 2008, quarter : 2
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number measured
IVB	190016	14/04/2008	HG271	Twin trawl	39F6	98	150	117	54	25	0	50	
	190017	09/05/2008	WR160	Twin trawl	37F2	12	124	59	84	23	19	56	
	190018	09/05/2008	WR108	Twin trawl	36F2	0	69	183	155	34	0	36	
	190020	06/06/2008	TX19	Beam trawl	36F1	0	0	0	32	9	16	50	
						-	-	-	-	-	-	-	
						110	343	359	325	91	35	-	192
						-	-	-	-	-	-	-	
IVC	190015	04/04/2008	G028	Beam trawl	33F3	0	22	24	18	12	0	44	
	190019	23/05/2008	G020	Beam trawl	33F3	0	8	46	62	218	0	55	
						-	-	-	-	-	-	-	
						0	30	70	80	230	0	99	
						-	-	-	-	-	-	-	
						110	373	429	405	321	35	291	
						-	-	-	-	-	-	-	

Table : 8g

Species : Cod
 Year : 2008, quarter : 3
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number measured
IVB	190023	29/08/2008	TX19	Beam trawl	37F1	-	121	82	109	33	13	0	50
						-	121	82	109	33	13	0	-
						-	-	-	-	-	-	-	50
IVC	190021	11/07/2008	SI42	Beam trawl	32F2	0	5	32	27	625	0	36	
	190022	15/08/2008	UK1	Beam trawl	35F2	0	0	23	3	11	0	32	
	190024	05/09/2008	UK1	Beam trawl	35F2	0	38	143	25	16	0	45	
						-	-	-	-	-	-	-	
						0	43	198	55	652	0	113	
						-	-	-	-	-	-	-	
						121	125	307	88	665	0	163	
						-	-	-	-	-	-	-	

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table : 8h
 Species : Cod
 Year : 2008, quarter : 4
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number measured
IVB	190025	13/10/2008	SC20	Twin trawl	39F4	18	68	160	40	34	20	52	
	190028	07/11/2008	SC41	Beam trawl	37F2	17	98	517	383	307	64	52	
	190029	17/11/2008	WN1	Beam trawl	37F5	30	54	102	39	53	0	49	
	190036	08/12/2008	LE62	Beam trawl	36F4	47	58	109	21	18	10	55	
	190037	08/12/2008	UK47	Beam trawl	37F4	25	16	29	24	22	0	51	
	190040	15/12/2008	SC41	Twin trawl	39F6	67	46	38	15	7	0	51	
					204	340	955	522	441	94		310	
IVC	190026	17/10/2008	KW45	Beam trawl	35F2	0	12	22	3	0		17	
	190027	31/10/2008	KW45	Beam trawl	35F2	11	40	155	47	37	7	70	
	190030	21/11/2008	OD6	Beam trawl	33F3	0	32	107	56	182	0	53	
	190031	28/11/2008	Z60	Beam trawl	32F1	0	68	655	212	41	0	61	
	190032	05/12/2008	OD1	Beam trawl	33F2	0	154	440	205	214	59	60	
	190033	05/12/2008	OD17	Beam trawl	33F2	0	80	373	260	286	27	76	
	190034	05/12/2008	G058	Otter trawl	33F3	11	26	85	198	178	13	80	
	190035	05/12/2008	YE139	Otter trawl	33F4	0	40	120	89	60	15	67	
	190038	12/12/2008	G05	Beam trawl	33F3	14	4	112	33	36	19	43	
	190039	15/12/2008	KW145	Beam trawl	34F3	61	77	197	50	11	0	54	
					97	533	2266	1153	1045	140		581	
					301	873	3221	1675	1486	234		891	

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Table : 9a

							IMARES, 07JUL2009 16:31:44					
Species	: Whiting	Year	: 2008, quarter	: 1	Type	: Commercial	, age		Area type	: ICES div		
area	sample number	landing date	vessel	gear			ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)
IVC	211001	11/01/2008	G026	Beam trawl	33F3	69						50
	211002	15/02/2008	G022	Beam trawl	33F3	43						50
	211003	22/02/2008	G026	Beam trawl	32F3	66						50
							---	---	---	---	---	150
VIIID	211004	07/03/2008	UK48	Beam trawl	30F0	50						50
							---	---	---	---	---	50
							50					50
							---	---	---	---	---	200
							228					200
							=====	=====	=====	=====	=====	=====

Table : 9b

							IMARES, 07JUL2009 16:31:44					
Species	: Whiting	Year	: 2008, quarter	: 2	Type	: Commercial	, age		Area type	: ICES div		
area	sample number	landing date	vessel	gear			ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)
IVB	211005	11/04/2008	FR231	Beam trawl	41F4	214						50
							---	---	---	---	---	50
							214					50
							---	---	---	---	---	50
IVC	211006	09/05/2008	G026	Beam trawl	33F3	186						50
							186					50
							---	---	---	---	---	100
							400					100
							=====	=====	=====	=====	=====	=====

Table 1
Species
Year
Type
Area type

IMARES, 07 JUL 2009 16:31:44

Species : Whiting
 Year : 2008, quarter : 3
 Type : Commercial , age
 Area type : ICES div

samples

Table : 9e

Species : Whiting

Year : 2008, quarter : 1

Type : Commercial , length samples

Area type : ICES div

area area sample number	landing date	vessel	gear	ices rect	Sample weight (kg)				Number measured
					Cat 1	Cat 2	Cat 3	Cat 4	
IVB	210008	17/03/2008	UK1	Beam trawl	36F1	503	-----	-----	40
					-----	503	-----	-----	-----
IVC	210001	11/01/2008	GO26	Beam trawl	33F3	69	-----	-----	201
	210002	18/01/2008	VLI26	Beam trawl	31F2	1080	-----	-----	70
	210003	15/02/2008	ARM44	Beam trawl	32F2	380	-----	-----	85
	210004	15/02/2008	GO22	Beam trawl	33F3	43	-----	-----	234
	210005	22/02/2008	GO26	Beam trawl	32F3	66	-----	-----	193
					-----	1638	-----	-----	-----
					-----	50	-----	-----	783
VIIID	210006	07/03/2008	UK48	Otter trawl	30F0	266	-----	-----	173
	210007	07/03/2008	UK48	Otter trawl	30F0	-----	-----	-----	48
					-----	50	266	-----	-----
					-----	2191	266	-----	221
					=====	=====	=====	=====	1044

IMARES, 07JUL2009 16:31:44

Table : 9f

Species	:	Whiting	
Year	:	2008, quarter	: 2
Type	:	Commercial	, length
		TCs air	
		+ mo	
		samples	

Sample weight	Number ices
sample	landing
15.0	1.

area	number	date	vessel	gear	rect	Cat 1	Cat 2	Cat 3	Cat 4	(kg)	measured
IVB	210010	11/04/2008	FR231	Twin trawl	41F4				214		208

TVC	210009	04/04/2008	G028	Beam trawl	33F3	173	45
	210011	09/05/2008	G026	Beam trawl	33F3	186	145
	210012	23/05/2008	G020	Beam trawl	33F3	55	41

414 231

\able : 9g
IMARES, 07JUL2009 16:31:44

Species : Whiting Year : 2008, quarter : 3

Type : Commercial , length samples
Area type : ICES div

Number	Sample weight	Sample
ices	landing sample	

area	number	date	vessel	gear	rect	Cat 1	Cat 2	Cat 3	Cat 4	(kg) measured
------	--------	------	--------	------	------	-------	-------	-------	-------	---------------

IVB	210014	25/07/2008	NG10	Twin trawl	37F3	1135	176
	210015	25/07/2008	NG10	Twin trawl	37F3	1135	45
	210016	25/07/2008	NG10	Twin trawl	37F3	1135	40
	210017	25/07/2008	NG10	Twin trawl	37F3	1135	35

210010 22/09/2008 LAD2 Deltic Trawl 37±
210017 02/09/2008 WR23 Twin trawl 37F4 89 40
----- ----- -----
----- ----- -----
----- ----- -----
----- ----- -----

1266 40 ----- 524

Table : 9h
Species : Whiting
Year : 2008, quarter : 4
Type : Commercial , length
Area type : ICES div samples

IMARES, 07JUL2009 16:31:44

Table : 10a

IMARES, 07JUL2009 16:31:44

Species : Herring
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES subdiv

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
IVC	1	241014	22/01/2008	27/01/2008	SCH333	Pelagic trawl	31F1	22.4	189	25
	2	241017	18/02/2008	28/02/2008	SCH22-23	Pair trawl	32F1	22.6	198	25
								45.0	387	50
VIID	1	241001	04/01/2008	15/01/2008	SCH22-23	Pair trawl	29F0	24.3	164	25
	241002	08/01/2008	15/01/2008	SCH22-23	Pair trawl	28F0	23.5	180	25	
	241003	12/01/2008	15/01/2008	SCH22-23	Pair trawl	28E9	24.4	172	25	
	241004	03/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	21.2	139	25	
	241005	09/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	24.0	147	25	
	241006	12/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	23.3	180	25	
	241007	22/01/2008	27/01/2008	SCH333	Pelagic trawl	29F1	23.6	200	25	
	241008	25/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	25.5	197	25	
	241009	26/01/2008	27/01/2008	SCH333	Pelagic trawl	29F1	23.6	186	25	
	241010	09/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	24.6	149	25	
	241011	19/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	24.1	154	25	
	241012	03/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	25.9	176	25	
	241013	12/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	25.2	196	25	
	241015	25/01/2008	27/01/2008	SCH333	Pelagic trawl	29F1	22.3	180	25	
	241016	10/02/2008	14/02/2008	SCH22-23	Pair trawl	29F1	23.9	207	25	
								359.4	2627	375
								404.4	3014	425

Table : 10b

IMARES, 07JUL2009 16:31:14

Species : Herring
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES subdiv

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
IVAW	5	241018	27/05/2008	31/05/2008	SCH22-23	Pair trawl	45E9	24.2	188	25
		241019	29/05/2008	31/05/2008	SCH22-23	Pair trawl	45E8	22.2	132	25
		241020	30/05/2008	31/05/2008	SCH22-23	Pair trawl	45F0	23.9	180	25
		241021	31/05/2008	31/05/2008	SCH22-23	Pair trawl	44F0	24.9	188	25
6	241022	06/06/2008	13/06/2008	SCH22-23	Pair trawl	46E9	24.4	144	25	
	241023	06/06/2008	13/06/2008	SCH22-23	Pair trawl	46E9	25.1	170	25	
	241024	07/06/2008	13/06/2008	SCH22-23	Pair trawl	46E9	26.2	175	25	
	241025	09/06/2008	13/06/2008	SCH22-23	Pair trawl	46E9	24.1	175	25	
	241026	18/06/2008	27/06/2008	SCH22-23	Pair trawl	44E8	26.0	152	25	
	241027	19/06/2008	27/06/2008	SCH22-23	Pair trawl	44E8	23.7	150	25	
	241028	20/06/2008	27/06/2008	SCH22-23	Pair trawl	44E8	24.6	172	25	
	241029	21/06/2008	27/06/2008	SCH22-23	Pair trawl	46E8	22.6	156	25	
	241030	23/06/2008	27/06/2008	SCH22-23	Pair trawl	49F0	24.9	132	25	
	241031	24/06/2008	27/06/2008	SCH22-23	Pair trawl	49F0	24.2	128	25	
	241032	24/06/2008	27/06/2008	SCH22-23	Pair trawl	49F0	24.5	124	25	
	241033	24/06/2008	27/06/2008	SCH22-23	Pair trawl	49F0	24.4	120	25	
	241034	25/06/2008	27/06/2008	SCH22-23	Pair trawl	49F0	24.7	140	25	
	241035	20/06/2008	29/06/2008	PH110-220	Pair trawl	44E8	26.1	139	25	
	241036	21/06/2008	29/06/2008	PH110-220	Pair trawl	47E8	25.2	133	25	
	241037	26/06/2008	29/06/2008	PH110-220	Pair trawl	49E8	25.8	132	25	
	241038	27/06/2008	29/06/2008	PH110-220	Pair trawl	49E8	23.5	111	25	
	241039	27/06/2008	29/06/2008	PH110-220	Pair trawl	49E9	24.4	114	25	
							539.6	3255	550	
							539.6	3255	550	

Table : 10c

Species : Herring
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES subdiv

area	month	sample number	catch date	landing date	vessel	gear	ices rect	sample weight (kg)	Number measured	Number aged
IIA	8	241082	14/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	30.4	124	25
		241083	14/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	30.4	124	25
		241084	17/07/2008	15/08/2008	SCH123	Pelagic trawl	73F4	32.2	108	25
		241085	17/07/2008	15/08/2008	SCH123	Pelagic trawl	73F4	32.2	108	25
		241086	17/07/2008	15/08/2008	SCH123	Pelagic trawl	73F6	29.2	100	25
		241087	17/07/2008	15/08/2008	SCH123	Pelagic trawl	73F6	29.2	100	25
		241088	17/07/2008	15/08/2008	SCH123	Pelagic trawl	73F6	28.2	105	25
		241089	18/07/2008	15/08/2008	SCH123	Pelagic trawl	73F8	29.7	105	25
		241090	19/07/2008	15/08/2008	SCH123	Pelagic trawl	73F7	29.4	114	25
		241091	20/07/2008	15/08/2008	SCH123	Pelagic trawl	73F2	30.9	96	25
		241092	20/07/2008	15/08/2008	SCH123	Pelagic trawl	73F2	30.9	96	25
		241093	20/07/2008	15/08/2008	SCH123	Pelagic trawl	72F3	28.2	96	25
		241094	21/07/2008	15/08/2008	SCH123	Pelagic trawl	73F3	30.9	105	25
		241095	22/07/2008	15/08/2008	SCH123	Pelagic trawl	73F5	27.6	91	25
		241096	22/07/2008	15/08/2008	SCH123	Pelagic trawl	73F5	28.3	91	25
		241097	22/07/2008	15/08/2008	SCH123	Pelagic trawl	73F5	28.8	96	25
		241098	23/07/2008	15/08/2008	SCH123	Pelagic trawl	73F3	29.7	99	25
		241099	23/07/2008	15/08/2008	SCH123	Pelagic trawl	74F3	30.0	105	25
		241100	24/07/2008	15/08/2008	SCH123	Pelagic trawl	74F5	28.8	99	25
		241101	24/07/2008	15/08/2008	SCH123	Pelagic trawl	74F6	29.4	101	25
		241102	24/07/2008	15/08/2008	SCH123	Pelagic trawl	74F6	29.4	99	25
		241103	24/07/2008	15/08/2008	SCH123	Pelagic trawl	74F6	28.5	105	25
		241104	25/07/2008	15/08/2008	SCH123	Pelagic trawl	73F4	30.9	102	25
		241105	25/07/2008	15/08/2008	SCH123	Pelagic trawl	73F4	30.9	102	25
		241106	30/07/2008	15/08/2008	SCH123	Pelagic trawl	71F7	25.0	92	25
		241107	30/07/2008	15/08/2008	SCH123	Pelagic trawl	71F7	25.0	92	25
		241108	30/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	30.0	105	25
		241109	31/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	28.8	108	25
		241110	31/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	29.1	114	25
		241111	31/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	29.1	114	25
		241112	31/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	29.4	111	25
		241113	31/07/2008	15/08/2008	SCH123	Pelagic trawl	72F8	29.4	111	25
		241114	01/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	29.1	123	25
		241115	02/08/2008	15/08/2008	SCH123	Pelagic trawl	72F9	29.9	112	25
		241116	02/08/2008	15/08/2008	SCH123	Pelagic trawl	72F9	29.9	112	25
		241117	02/08/2008	15/08/2008	SCH123	Pelagic trawl	72F9	28.8	126	25
		241118	02/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	29.7	117	25

IMARES, 07JUL2009 16:31:44

241119	03/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	30.0	117	
241120	03/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	29.7	117	
241121	04/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	28.5	111	
241122	04/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	28.5	111	
241123	04/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	29.1	123	
241124	04/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	29.1	123	
241125	04/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	29.4	123	
241126	05/08/2008	15/08/2008	SCH123	Pelagic trawl	73F9	30.3	132	
241127	05/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	31.5	108	
241128	05/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	31.5	108	
241129	06/08/2008	15/08/2008	SCH123	Pelagic trawl	73F8	31.0	108	
241130	08/08/2008	15/08/2008	SCH123	Pelagic trawl	75G0	30.0	117	
241131	08/08/2008	15/08/2008	SCH123	Pelagic trawl	75G0	30.0	117	
241132	08/08/2008	15/08/2008	SCH123	Pelagic trawl	75G0	31.2	120	
241133	09/08/2008	15/08/2008	SCH123	Pelagic trawl	75G1	29.2	120	
241134	09/08/2008	15/08/2008	SCH123	Pelagic trawl	75G0	30.0	120	
241135	10/08/2008	15/08/2008	SCH123	Pelagic trawl	75G2	30.6	123	
241136	10/08/2008	15/08/2008	SCH123	Pelagic trawl	75G2	30.6	123	
241137	11/08/2008	15/08/2008	SCH123	Pelagic trawl	73G2	31.2	129	
241138	04/08/2008	29/08/2008	SCH333	Pelagic trawl	72F6	35.8	130	
241139	12/08/2008	29/08/2008	SCH333	Pelagic trawl	75G3	38.8	201	
					1733.3	6502	1450	
					-----	-----	-----	
IIB	8	241130	08/08/2008	15/08/2008	SCH123	76F7	31.2	123
		241142	22/08/2008	29/08/2008	SCH333	77G5	35.9	153
		241141	19/08/2008	29/08/2008	SCH333	78G5	37.7	148
					-----	104.8	424	75
					-----	-----	-----	-----
IVAW	7	241040	03/07/2008	10/07/2008	SCH22-23	50FO	25.1	106
		241041	03/07/2008	10/07/2008	SCH22-23	50FO	24.2	97
		241042	04/07/2008	10/07/2008	SCH22-23	50FO	23.9	105
		241043	04/07/2008	10/07/2008	SCH22-23	50FO	24.5	102
		241044	05/07/2008	10/07/2008	SCH22-23	50E9	24.8	114
		241045	05/07/2008	10/07/2008	SCH22-23	50FO	24.3	101
		241046	07/07/2008	10/07/2008	SCH22-23	50FO	26.2	108
		241047	07/07/2008	10/07/2008	SCH22-23	50FO	24.0	96
		241048	08/07/2008	10/07/2008	SCH22-23	50E9	25.6	107
		241049	08/07/2008	10/07/2008	SCH22-23	50FO	24.8	102
		241050	04/07/2008	12/07/2008	PH110-220	48E8	25.0	123
		241052	09/07/2008	12/07/2008	PH110-220	49E7	23.9	102
		241053	10/07/2008	12/07/2008	PH110-220	49E7	25.1	111
		241054	16/07/2008	25/07/2008	SCH22-23	49FO	23.8	99
		241055	17/07/2008	25/07/2008	SCH22-23	49FO	25.1	111
		241056	18/07/2008	25/07/2008	SCH22-23	49FO	24.8	105
		241057	18/07/2008	25/07/2008	SCH22-23	49FO	23.8	96
		241058	19/07/2008	25/07/2008	SCH22-23	49FO	23.2	82
		241059	21/07/2008	25/07/2008	SCH22-23	49FO	24.8	98
		241060	21/07/2008	25/07/2008	SCH22-23	50FO	22.9	79

241061	10/07/2008	26/07/2008	SCH333	45E9	24.3	134							
241062	10/07/2008	26/07/2008	SCH333	46E8	23.5	140	25						
241063	12/07/2008	26/07/2008	SCH333	50F1	23.1	93	25						
241065	18/07/2008	26/07/2008	PH110-220	49E7	24.0	102	25						
241066	21/07/2008	26/07/2008	PH110-220	50F0	24.1	91	25						
241067	23/07/2008	26/07/2008	PH110-220	50F0	23.9	84	25						
241068	08/07/2008	30/07/2008	SCH72	45E9	24.5	93	25						
241069	30/07/2008	08/08/2008	PH110-220	44F0	24.6	141	25						
241070	31/07/2008	08/08/2008	PH110-220	49E7	26.0	99	25						
241071	04/08/2008	08/08/2008	PH110-220	49E8	25.9	94	25						
241073	06/08/2008	08/08/2008	PH110-220	47E8	26.3	111	25						
241074	30/07/2008	09/08/2008	SCH22-23	51E8	24.8	72	25						
241075	31/07/2008	09/08/2008	SCH22-23	50E7	25.3	77	25						
241076	01/08/2008	09/08/2008	SCH22-23	50E7	23.9	70	25						
241077	02/08/2008	09/08/2008	SCH22-23	50E7	22.9	99	25						
241078	04/08/2008	09/08/2008	SCH22-23	47F0	24.7	108	25						
241079	04/08/2008	09/08/2008	SCH22-23	47F0	23.7	90	25						
241080	05/08/2008	09/08/2008	SCH22-23	47F0	24.0	96	25						
241081	05/08/2008	09/08/2008	SCH22-23	47F0	24.6	111	25						
					953.9	3949	975						
IVB	7	241050	03/07/2008	12/07/2008	PH110-220	43F0	-----	24.4	216	25			
VIAN	7	241064	20/07/2008	26/07/2008	SCH333	47E5	-----	24.4	216	25			
	8	241072	05/08/2008	08/08/2008	PH110-220	49E5	-----	23.1	87	25			
							-----	25.8	93	25			
							-----	48.9	180	50			
							-----	2870.0	11282	2575			

Table : 10d

Species : Herring
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES subdiv

INMARES, 07JUL2009 16:31:44

area	month	sample number	catch date	landing date	vessel	gear	Sample	Number measured	Number aged
							ices rect		
VILD	12	241143	22/11/2008	21/12/2008	SCH72	Pelagic trawl	29F0	21.2	114
		241144	22/11/2008	21/12/2008	SCH72	Pelagic trawl	29F0	25.2	25
		241145	23/11/2008	21/12/2008	SCH72	Pelagic trawl	29F0	27.0	25
		241146	24/11/2008	21/12/2008	SCH72	Pelagic trawl	29F0	25.8	25
								99.2	100
								509	509
								509	100
								=====	=====

Species	Mackerel													
Year	2008, quarter		: 1											
Type	Commercial		, age/length		samples									
Area type	ICES div													
area	month	sample number	catch date	landing date	vessel	gear	ices rect	sample weight (kg)	Number measured	Number aged				
IVC	1	281006	22/01/2008	27/01/2008	SCH333	Pelagic trawl	31F1	20.6	93	25				
VIID	1	281001	03/01/2008	10/01/2008	PH110/220	Pair trawl	30F0	23.6	132	25				
		281002	12/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	22.3	176	25				
		281003	04/01/2008	27/01/2008	SCH333	Pelagic trawl	29E9	20.8	66	25				
		281004	08/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	20.9	64	25				
		281005	17/01/2008	27/01/2008	SCH333	Pelagic trawl	29E9	23.2	66	25				
VIIIB	3	281014	15/03/2008	23/03/2008	PH110/220	Pair trawl	23E3	110.8	504	125				
		281015	18/03/2008	23/03/2008	PH110/220	Pair trawl	21E5	24.9	190	25				
								23.1	66	25				
VIIJ	2	281007	07/02/2008	21/02/2008	SCH333	Pelagic trawl	26D9	21.1	63	25				
		281008	11/02/2008	21/02/2008	SCH333	Pelagic trawl	29D9	20.9	68	25				
		281009	14/02/2008	21/02/2008	SCH333	Pelagic trawl	29D9	21.3	78	25				
		281010	28/02/2008	22/03/2008	SCH333	Pelagic trawl	30D9	21.2	68	25				
		281011	14/03/2008	20/03/2008	SCH22-23	Pair trawl	27D8	21.2	140	25				
		281012	15/03/2008	20/03/2008	SCH22-23	Pair trawl	28D8	22.9	120	25				
		281013	15/03/2008	20/03/2008	SCH22-23	Pair trawl	29D9	23.2	60	25				
		281016	01/03/2008	22/03/2008	SCH333	Pelagic trawl	27D8	23.3	66	25				
		281017	08/03/2008	22/03/2008	SCH333	Pelagic trawl	32D8	22.6	88	25				
VIIK	3	281018	20/01/1904	22/03/2008	SCH333	Pelagic trawl	29D5	200.7	751	225				
								22.3	55	25				

Table : 11b

IMARES, 07 JUL 2009 16:31:44

Species	:	Mackerel
Year	:	2008, quarter
Type	:	Commercial
Area type	:	ICES div
	:	age/length
	:	samples

Species	Mackerel		
Year	2008, quarter	: 3	
Type	Commercial	,	samples
Area type	ICES div		

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
IV A	7	281033	07/07/2008	10/07/2008	SCH22-23	Pair trawl	50F0	23.7	126	25
		281034	04/07/2008	12/07/2008	PH110-220	Pair trawl	48E8	19.5	82	25
		281035	21/07/2008	25/07/2008	SCH22-23	Pair trawl	50F0	23.8	102	25
	8	281036	10/07/2008	26/07/2008	SCH333	Pelagic trawl	45E9	21.1	87	25
		281038	23/07/2008	26/07/2008	PH110-220	Pair trawl	50F0	22.9	84	25
		281039	30/07/2008	08/08/2008	PH110-220	Pair trawl	44F0	23.9	105	25
IV C	8	281041	26/08/2008	28/08/2008	SCH22-23	Pair trawl	33F4	-----	586	150
		281037	20/07/2008	26/07/2008	SCH333	Pelagic trawl	47E5	-----	-----	-----
VIA	7	281040	21/08/2008	28/08/2008	SCH22-23	Pair trawl	28E7	21.2	96	25
		281042	24/09/2008	29/09/2008	SCH22-23	Pair trawl	29E7	22.0	96	25
		281030	13/06/2008	01/07/2008	SCH333	Pelagic trawl	22E4	24.3	140	25
VII E	8	281028	05/06/2008	01/07/2008	SCH333	Pelagic trawl	21E5	21.2	136	25
		281029	10/06/2008	01/07/2008	SCH333	Pelagic trawl	22E5	22.6	126	25
		281031	17/06/2008	01/07/2008	SCH333	Pelagic trawl	22E5	24.0	144	25
VIIIB	7	281028	05/06/2008	01/07/2008	SCH333	Pelagic trawl	22E4	22.9	58	25
		281029	10/06/2008	01/07/2008	SCH333	Pelagic trawl	21E5	22.6	69	25
		281030	13/06/2008	01/07/2008	SCH333	Pelagic trawl	22E5	24.0	144	25
VIIJ	7	281031	17/06/2008	01/07/2008	SCH333	Pelagic trawl	28D8	23.5	93	25
		281032	26/06/2008	01/07/2008	SCH333	Pelagic trawl	31D8	23.8	76	25
		281031	17/06/2008	01/07/2008	SCH333	Pelagic trawl	28D8	47.3	169	50
VIIJ	7	281031	17/06/2008	01/07/2008	SCH333	Pelagic trawl	31D8	-----	-----	-----
		281032	26/06/2008	01/07/2008	SCH333	Pelagic trawl	28D8	47.3	271	75
VIIJ	7	281031	17/06/2008	01/07/2008	SCH333	Pelagic trawl	31D8	47.3	341.6	1524
		281032	26/06/2008	01/07/2008	SCH333	Pelagic trawl	28D8	47.3	341.6	1524

Table : 11d

IMARES, 07JUL2009 16:31:44

Species : Mackerel
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
IVA	11	281046	22/10/2008	13/11/2008	SCH72	Pelagic trawl	51E7	21.6	62	25
		281047	01/11/2008	13/11/2008	SCH72	Pelagic trawl	49E7	20.9	50	25
		281048	08/11/2008	13/11/2008	SCH72	Pelagic trawl	50E7	22.3	52	25
		281049	11/11/2008	13/11/2008	SCH72	Pelagic trawl	49E7	23.0	81	25
							87.8	245	100	
VIID	11	281045	12/11/2008	22/11/2008	PH110-220	Pair trawl	30F0	24.2	81	25
							24.2	81	25	
VIE	10	281043	04/09/2008	01/10/2008	SCH333	Pelagic trawl	28E7	22.9	117	25
		281044	22/09/2008	01/10/2008	SCH333	Pelagic trawl	28E7	23.4	216	25
							46.3	333	50	
							158.3	659	175	

Table : 1.2a

	Species	Year	Type	Area type	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
VIIID	1	291001	03/01/2008	10/01/2008	PH110/220	Pair trawl	30F0	20.3	149	25			
	291002	04/01/2008	15/01/2008	SCH22-23	Pair trawl	29F0	22.0	108	25				
	291003	04/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	27.5	145	25				
	291004	06/01/2008	27/01/2008	SCH333	Pelagic trawl	30F0	32.8	214	25				
	291005	07/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	29.1	183	25				
	291006	08/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	30.4	140	25				
	291007	11/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	26.3	142	25				
	291008	17/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	27.0	152	25				
	291009	18/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	26.5	154	25				
	291010	19/01/2008	27/01/2008	SCH333	Pelagic trawl	29F0	30.4	177	25				
	291011	20/01/2008	27/01/2008	SCH333	Pelagic trawl	30F1	34.5	149	25				
	291013	29/01/2008	30/01/2008	SCH22-23	Pair trawl	29E9	21.1	127	25				
	291014	18/01/2008	26/01/2008	PH110/220	Pair trawl	28E9	23.1	111	25				
2	291015	06/02/2008	14/02/2008	SCH22-23	Pair trawl	29E9	21.1	123	25				
	291016	12/02/2008	14/02/2008	SCH22-23	Pair trawl	29F0	21.3	117	25				
	291017	13/02/2008	14/02/2008	SCH22-23	Pair trawl	29E9	21.3	117	25				
	291020	21/02/2008	28/02/2008	SCH22-23	Pair trawl	29E9	22.8	141	25				
	291021	25/02/2008	28/02/2008	SCH22-23	Pair trawl	29E9	23.0	159	25				
										460.5	2608	450	
VIII	1	291012	23/01/2008	30/01/2008	SCH22-23	Pair trawl	29E7	21.9	130	25			
	3	291022	04/03/2008	20/03/2008	SCH22-23	Pair trawl	29E7	22.9	99	25			
VIIH	2	291019	08/02/2008	21/02/2008	SCH333	Pelagic trawl	25E1	21.6	168	25			
								44.8	229	50			
VIIIB	3	291023	15/03/2008	23/03/2008	PH110/220	Pair trawl	23E4	19.5	183	25			
		291024	18/03/2008	23/03/2008	PH110/220	Pair trawl	21E5	21.3	207	25			
										40.8	390	50	

VIIJ	2	291018	06/02/2008	21/02/2008	SCH333	Pelagic trawl	27D8	21.1	124	25
	3	291025	01/03/2008	22/03/2008	SCH333	Pelagic trawl	27D8	21.2	132	25
	291026	02/03/2008	22/03/2008	SCH333	Pelagic trawl	27D8	21.3	140	25	
							63.6	396	75	
VIIK	3	291027	20/01/1904	22/03/2008	SCH333	Pelagic trawl	29D5	22.5	114	25
							22.5	114	25	

Table : 12b

Species : Horse mackerel
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
VIIIB	5	291032	15/05/2008	31/05/2008	SCH333	Pelagic trawl	22E4	21.2	209	25
		291033	16/05/2008	31/05/2008	SCH333	Pelagic trawl	22E4	20.8	200	25
		291034	16/05/2008	31/05/2008	SCH333	Pelagic trawl	22E4	20.3	199	25
		291035	18/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	20.2	194	25
		291036	19/05/2008	31/05/2008	SCH333	Pelagic trawl	21E6	22.1	224	25
		291037	19/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	22.5	217	25
		291038	20/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	21.1	208	25
		291039	21/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	27.0	175	25
		291040	24/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	27.5	236	25
		291041	24/05/2008	31/05/2008	SCH333	Pelagic trawl	20E6	23.4	180	25
		291042	26/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	25.8	152	25
		291043	27/05/2008	31/05/2008	SCH333	Pelagic trawl	21E6	21.1	266	25
		291044	28/05/2008	31/05/2008	SCH333	Pelagic trawl	21E5	27.4	117	25
							300.4	2577	325	

VIIJ	5	291028	07/05/2008	16/05/2008	SCH22-23	Pair trawl	27D8	23.1	131	25
		291029	09/05/2008	16/05/2008	SCH22-23	Pair trawl	27D8	22.4	131	25
		291030	12/05/2008	16/05/2008	SCH22-23	Pair trawl	26D9	21.5	126	25
		291031	14/05/2008	16/05/2008	SCH22-23	Pair trawl	26D9	23.2	144	25
							90.2	532	100	
							390.6	3109	425	

Table : 1.2c

Species	Horse mackerel			IMARES, 07JUL2009 16:31:44		
Year	2008, quarter : 3					
Type	Commercial , age/length samples					
Area type	ICES div					
	area	month	sample number	catch date	landing date	vessel
IV A	7	291058	13/07/2008	26/07/2008	SCH333	Pelagic trawl
					50E9	50E9
					19.7	19.7
					20.9	20.9
					54	54
					25	25
NVT	7	291046	06/06/2008	01/07/2008	SCH333	Pelagic trawl
					41E5	41E5
					20.9	20.9
					209	209
					25	25
VII E	8	291059	20/08/2008	28/08/2008	SCH22-23	Pair trawl
	9	291060	12/09/2008	19/09/2008	PH110/220	Pair trawl
		291061	13/09/2008	19/09/2008	PH110/220	Pair trawl
		291062	08/09/2008	18/09/2008	SCH22-23	Pair trawl
		291063	12/09/2008	18/09/2008	SCH22-23	Pair trawl
		291064	24/09/2008	29/09/2008	SCH22-23	Pair trawl
		291066	24/09/2008	29/09/2008	SCH22-23	Pair trawl
					28E5	28E5
					20.9	20.9
					25	25
VIIIB	7	291045	05/06/2008	01/07/2008	SCH333	Pelagic trawl
	291047	10/06/2008	01/07/2008	SCH333	Pelagic trawl	
	291048	13/06/2008	01/07/2008	SCH333	Pelagic trawl	
				22E4	22.9	22.9
				21E5	23.4	23.4
				22E5	21.5	21.5
					252	252
					25	25
VIIJ	7	291049	17/06/2008	01/07/2008	SCH333	Pelagic trawl
	291050	26/06/2008	01/07/2008	SCH333	Pelagic trawl	
	291051	17/06/2008	06/07/2008	KW170	Pelagic trawl	
	291052	18/06/2008	06/07/2008	KW170	Pelagic trawl	
	291053	21/06/2008	06/07/2008	KW170	Pelagic trawl	
	291054	23/06/2008	06/07/2008	KW170	Pelagic trawl	
	291055	27/06/2008	06/07/2008	KW170	Pelagic trawl	
	291056	29/06/2008	06/07/2008	KW170	Pelagic trawl	
	291057	01/07/2008	06/07/2008	KW170	Pelagic trawl	
				28D8	23.4	23.4
				31D8	23.9	23.9
				27D9	23.3	23.3
				28D8	22.6	22.6
				29D9	24.1	24.1
				30D8	21.6	21.6
				28D9	23.1	23.1
				27D8	17.0	17.0
				28D9	22.1	22.1
					132	132
					25	25
					22.1	22.1
					225	225
					1088	1088
					3243	3243
					465.9	465.9
					525	525

Table : 1.2d

Species	Horse mackerel			sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
Year	2008, quarter : 4											
Type	Commercial , age/length samples											
Area type	ICES div			area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)
VIB	12	291083	05/12/2008	21/12/2008	SCH72	Pelagic trawl	36D8	27.3	156	25		
		291084	05/12/2008	21/12/2008	SCH72	Pelagic trawl	36D8	25.2	111	25		
		291085	06/12/2008	21/12/2008	SCH72	Pelagic trawl	36D8	26.4	156	25		
		291086	06/12/2008	21/12/2008	SCH72	Pelagic trawl	36D8	26.4	114	25		
		291087	06/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	25.2	162	25		
		291088	06/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	27.0	117	25		
		291089	06/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	24.6	153	25		
		291090	07/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	25.2	147	25		
		291091	07/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	24.9	102	25		
		291092	07/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	24.1	138	25		
		291093	08/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	21.3	123	25		
		291094	08/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	25.2	126	25		
		291095	08/12/2008	21/12/2008	SCH72	Pelagic trawl	35D8	26.4	105	25		
		291100	09/12/2008	21/12/2008	SCH72	Pelagic trawl	34D8	24.9	117	25		
		291101	09/12/2008	21/12/2008	SCH72	Pelagic trawl	34D8	27.3	82	25		
		291102	09/12/2008	21/12/2008	SCH72	Pelagic trawl	34D8	24.0	123	25		
		291103	09/12/2008	21/12/2008	SCH72	Pelagic trawl	34D8	25.2	96	25		
								430.6	2128	425		
VIR	12	291096	08/12/2008	21/12/2008	SCH72	Pelagic trawl	34D7	25.5	117	25		
		291097	08/12/2008	21/12/2008	SCH72	Pelagic trawl	34D7	26.7	96	25		
		291098	09/12/2008	21/12/2008	SCH72	Pelagic trawl	35D7	25.5	117	25		
		291099	09/12/2008	21/12/2008	SCH72	Pelagic trawl	35D7	26.8	87	25		
								104.5	417	100		
VID	10	291070	29/09/2008	01/10/2008	SCH333	Pelagic trawl	30E9	20.9	158	25		
	11	291072	06/11/2008	16/11/2008	SCH22-23	Pair trawl	29F0	22.9	144	25		
		291073	12/11/2008	16/11/2008	SCH22-23	Pair trawl	28E9	23.2	166	25		
		291076	12/11/2008	22/11/2008	PH110/220	Pair trawl	30F0	22.9	175	25		
		291077	04/11/2008	28/11/2008	SCH333	Pelagic trawl	29F0	21.2	147	25		
		291079	17/11/2008	28/11/2008	SCH333	Pelagic trawl	29F0	22.5	189	25		
		291080	27/11/2008	28/11/2008	SCH333	Pelagic trawl	29E9	23.0	189	25		
		291081	30/11/2008	21/12/2008	SCH72	Pelagic trawl	28E9	24.3	78	25		
		291082	30/11/2008	21/12/2008	SCH72	Pelagic trawl	28E9	24.0	140	25		
								204.9	1386	225		

IMARES, 07JUL2009 16:31:44

VIE	10	291065	04/09/2008	01/10/2008	SCH333	Pelagic trawl	29E7	22.0	195	25
		291067	08/09/2008	01/10/2008	SCH333	Pelagic trawl	28E6	20.8	158	25
		291068	08/10/2008	18/10/2008	SCH22-23	Pair trawl	28E5	22.7	196	25
		291069	22/09/2008	01/10/2008	SCH333	Pelagic trawl	28E7	21.1	158	25
		291071	10/10/2008	18/10/2008	SCH22-23	Pair trawl	29E7	21.1	162	25
		291074	17/10/2008	25/10/2008	PH110/220	Pair trawl	28E5	22.2	158	25
		291075	24/10/2008	25/10/2008	PH110/220	Pair trawl	29E6	24.5	181	25
	11	291078	11/11/2008	28/11/2008	SCH333	Pelagic trawl	28E5	21.4	148	25
							175.8	1356	200	
							915.8	5287	950	
							=====	=====	=====	

Table : 13a

IMARES, 07JUL2009 16:31:44

Species : Blue whiting
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

	area	month	sample number	catch date	landing date	vessel	gear	ices rect	41E0	Sample weight (kg)	Number measured	Number aged
VIRC	2	301001	15/02/2008	21/02/2008	SCH333	Pelagic trawl	34D5	24.6	164	25		
	3	301004	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	20.2	144	25		
	301005	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	20.2	144	25			
	301006	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	20.9	174	25			
	301007	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	20.9	168	25			
	301008	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	21.9	150	25			
	301009	05/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	21.9	150	25			
	301010	06/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	23.5	201	25			
	301011	06/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	23.5	201	25			
	301012	13/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	21.6	174	25			
	301013	13/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	21.6	174	25			
	301014	13/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	22.6	162	25			
	301015	13/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	22.6	162	25			
	301016	14/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	21.3	174	25			
	301017	14/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	21.3	174	25			
	301018	14/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	22.5	168	25			
	301019	14/03/2008	26/03/2008	KW172	Pelagic trawl	34D4	22.5	168	25			
	301020	14/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	23.1	195	25			
	301021	14/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	23.1	195	25			
	301022	15/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	21.1	173	25			
	301023	15/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	21.1	173	25			
	301024	15/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	22.2	180	25			
	301025	15/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	22.2	180	25			
	301026	16/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	24.0	207	25			
	301027	16/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	24.0	207	25			
	301028	17/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	22.8	189	25			
	301029	17/03/2008	26/03/2008	KW172	Pelagic trawl	35D4	22.8	189	25			
	301030	17/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	24.0	195	25			
	301031	17/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	24.0	195	25			
	301032	17/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	23.8	184	25			
	301033	18/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	23.8	184	25			
	301034	18/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	24.3	176	25			
	301035	18/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	24.3	176	25			
	301036	18/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	22.5	168	25			
	301037	18/03/2008	26/03/2008	KW172	Pelagic trawl	35D5	22.5	168	25			

Table : 13b

IMARES, 07JUL2009 16:31:44

Species : Blue whiting
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	month	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
VIA	4	301064	29/03/2008	14/04/2008	SCH333	Pelagic trawl	47E2	25.3	236	25
		301065	31/03/2008	14/04/2008	SCH333	Pelagic trawl	47E3	23.9	158	25
		301066	01/04/2008	14/04/2008	SCH333	Pelagic trawl	46E1	26.4	200	25
		301067	08/04/2008	14/04/2008	SCH333	Pelagic trawl	48E3	23.9	208	25
		301068	11/04/2008	14/04/2008	SCH333	Pelagic trawl	47E2	23.3	188	25
		301069	12/04/2008	14/04/2008	SCH333	Pelagic trawl	48E3	23.6	224	25
		301070	30/04/2008	26/05/2008	SCH72	Pelagic trawl	46E0	25.5	246	25
		301071	30/04/2008	26/05/2008	SCH72	Pelagic trawl	46E0	25.5	246	25
		301072	01/05/2008	26/05/2008	SCH72	Pelagic trawl	46E0	24.0	231	25
		301073	01/05/2008	26/05/2008	SCH72	Pelagic trawl	46E0	24.0	231	25
		301074	03/05/2008	26/05/2008	SCH72	Pelagic trawl	48E4	24.0	243	25
		301075	20/05/2008	26/05/2008	SCH72			294.3	2657	300
								294.3	2657	300
								=====	=====	=====

Table : 14b

IMARES, 07JUL2009 16:31:44

Species : Greater argentine
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	catch date	landing date	vessel	gear	ices rect	Sample weight (kg)	Number measured	Number aged
VIA	271001	29/03/2008	14/04/2008	SCH333	Pelagic trawl	47E2	23.6	68	25
	271002	31/03/2008	14/04/2008	SCH333	Pelagic trawl	47E3	22.5	68	25
	271003	08/04/2008	14/04/2008	SCH333	Pelagic trawl	48E3	23.9	64	25
	271004	11/04/2008	14/04/2008	SCH333	Pelagic trawl	47E2	23.6	62	25
	271005	12/04/2008	14/04/2008	SCH333	Pelagic trawl	47E3	22.4	60	25
	271006	08/05/2008	26/05/2008	SCH72	Pelagic trawl	48E3	24.6	70	25
	271007	08/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	25.8	60	25
	271008	08/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	25.8	60	25
	271009	07/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	23.2	59	25
	271010	07/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	23.2	59	25
	271011	09/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	25.3	73	25
	271012	09/05/2008	26/05/2008	SCH72	Pelagic trawl	47E3	25.3	73	25
	271013	10/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	25.3	65	25
	271014	10/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	25.3	65	25
	271015	11/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	26.9	81	25
	271016	11/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	26.9	81	25
	271017	13/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	28.2	71	25
	271018	13/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	28.2	71	25
	271019	14/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	32.5	80	25
	271020	14/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	32.5	80	25
	271021	20/05/2008	26/05/2008	SCH72	Pelagic trawl	48E4	29.2	70	25
	271022	20/05/2008	26/05/2008	SCH72	Pelagic trawl	48E4	29.2	70	25
	271023	15/05/2008	26/05/2008	SCH72	Pelagic trawl	46E1	25.9	61	25
	271024	15/05/2008	26/05/2008	SCH72	Pelagic trawl	46E1	25.9	61	25
	271025	16/05/2008	26/05/2008	SCH72	Pelagic trawl	47E2	26.2	63	25
								651.4	1695
								651.4	625
								651.4	1695
								651.4	625

Table : 15a
Species : Nephrops
Year : 2008, quarter : 1
Type : Commercial , age/length samples
Area type : ICES div
Comment : Category 5 are Nephrops tails
IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Species	: Nephrops
Year	: 2008, quarter : 2
Type	: Commercial , age/length
Area type	: ICES div
Comment	: Category 5 are Nephrops tails samples

	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Number measured	Number aged
IVB	361004	05/04/2008	WR19	Twin trawl	36F2	445	1342				408	
	361005	18/04/2008	WR67	Twin trawl	37F2	428	1103				407	
	361006	25/04/2008	WR19	Twin trawl	37F2	289	972				586	
	361007	02/05/2008	WR19	Twin trawl	36F2	318	648				505	
	361008	09/05/2008	WR19	Twin trawl	37F2	210	600				600	
	361009	19/05/2008	WR19	Twin trawl	37F2	76	267				379	
	361010	23/05/2008	WR160	Twin trawl	36F2	28	319				497	
	361011	06/06/2008	WR18	Twin trawl	37F2	46	1156				386	
	361012	27/06/2008	WR68	Twin trawl	37F2	-----	-----	-----	-----	-----	484	
						1840	5643	2261	161	-----	-----	4252
						1840	5643	2261	161	-----	-----	4252

Table : 15c
 Species : Nephrops
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div
 Comment : Category 5 are Nephrops tails

IMARES, 07 JUL 2009 16:31:44

Table I MARES, 07JUL2009 16:31:44

TITANES, 616000

Species : Ray blond
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

Table : 16b

Species : Ray blond
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	311017	04/04/2008	GO28	Beam trawl	33F3	10	10	3	0	7	7	
	311018	23/05/2008	GO44	Beam trawl	33F3	5	0	0	0	1	1	
	311019	23/05/2008	GO9	Beam trawl	35F2	0	6	0	0	2	2	

Table : 16c

Species : Ray blond
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	311020	11/07/2008	SL3	Beam trawl	34F2	0	3	0	0	1	1	
	311021	11/07/2008	GO9	Beam trawl	34F3	11	21	0	8	8	8	
	311022	05/09/2008	UK1	Beam trawl	35F2	126	137	0	0	15	15	
	311023	12/09/2008	GO28	Beam trawl	33F3	0	9	0	0	3	3	
	311024	12/09/2008	KW42	Beam trawl	34F2	6	4	0	3	3	3	
						143	174	0	11		30	
						143	174	0	11		30	

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table : 16d

IMARES, 07JUL2009 16:31:44

Species : Ray blond
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	311025	03/10/2008	KW42	Beam trawl	34F2	0	7	0	0	2	2	
	311026	17/10/2008	KW45	Beam trawl	35F2	6	7	0	0		3	
	311027	17/10/2008	GO38	Beam trawl	33F2	185	82	46	0	20	20	
	311028	24/10/2008	GO28	Beam trawl	32F2	48	17	4	0	12	12	
	311029	31/10/2008	KW45	Beam trawl	35F2	0	7	0	0	2	2	
	311030	14/11/2008	TX36	Beam trawl	35F2	34	14	0	0	8	8	
	311031	14/11/2008	TX68	Beam trawl	35F1	17	3	77	0	5	5	
	331032	21/11/2008	GO9	Beam trawl	34F2	112	110	0	14	23	23	
	331033	21/11/2008	GO48	Beam trawl	34F2	129	160	76	0	27	27	
	331034	28/11/2008	Z60	Beam trawl	32F1	87	18	80	0	25	25	
	331035	05/12/2008	F224	Beam trawl	33F2	95	88	0	0	20	20	
						713	513	283	14		147	
						713	513	283	14		147	
						713	513	283	14		147	

Table : 17a

IMARES, 07JUL2009 16:31:44

Species : Ray spotted
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVB	331014	17/03/2008	UK1	Beam trawl	36F1	0	0	108	1	16	16	16
TVC	331001	11/01/2008	GO26	Beam trawl	33F3	0	0	108	1	16	16	16
	331002	18/01/2008	VLI26	Beam trawl	31F2	0	0	32	48	14	14	14
	331003	18/01/2008	ARM18	Beam trawl	31F2	0	0	2	1	2	2	2
	331004	18/01/2008	VLI25	Beam trawl	31F2	0	0	4	2	4	4	4
	331005	18/01/2008	ARM17	Beam trawl	32F2	0	0	86	51	17	17	17
	331006	25/01/2008	KW145	Beam trawl	35F2	0	0	271	38	19	19	19
	331007	01/02/2008	KW88	Beam trawl	33F3	0	0	6	3	6	6	6
	331008	15/02/2008	ARM7	Beam trawl	31F2	0	0	0	1	1	1	1
	331009	15/02/2008	ARM15	Beam trawl	32F2	0	0	0	1	1	1	1
	331010	22/02/2008	GO28	Beam trawl	33F2	0	0	0	8	2	2	2
	331011	07/03/2008	KW34	Beam trawl	35F3	0	9	803	128	22	22	22
	331012	14/03/2008	GO14	Beam trawl	34F2	0	0	229	19	18	18	18
	331013	14/03/2008	GO48	Beam trawl	34F2	0	0	82	0	11	11	11
	331015	31/03/2008	KW42	Beam trawl	34F2	0	0	79	39	25	25	25
						0	9	1594	340	144	144	144
						0	9	1702	341	160	160	160

Table : 17b

Species : Ray spotted

Year : 2008, quarter

Type : Commercial , age/length

Area type : ICES div

IMARES, 07 JUL 2009 16:31:44

area area area	sample number	landing date	vessel	gear	ices rect	Cat 1 Cat 2 Cat 3 Cat 4				Sample weight (kg)	Number measured	Number aged
						Cat 1	Cat 2	Cat 3	Cat 4			
IVB	331018	06/06/2008	TX19	Beam trawl	36F1	0	0	0	300	0	-----	11
IVC	331016	04/04/2008	G028	Beam trawl	33F3	0	0	0	300	0	-----	11
	331017	23/05/2008	G09	Beam trawl	35F2	0	0	5	0	-----	-----	11
						0	0	975	121	-----	-----	3
						0	0	980	121	-----	-----	26
						0	0	1280	121	-----	-----	29
						0	0	1280	121	-----	-----	40
						0	0	1280	121	-----	-----	40
						0	0	1280	121	-----	-----	40

IMAGES, 07JUL2009 16:31:44

Species	: Ray spotted
Year	: 2008, quarter : 3
Type	: Commercial , age/length
Area type	: ICES div

IMAGES, 07JUL2009 16:31:44

	area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVB	331022	29/08/2008	TX19	Beam trawl	37F1	0	0	81	16	-	23	23	-
IVC	331019	11/07/2008	SL3	Beam trawl	34F2	0	0	32	15	-	21	21	-
	331020	11/07/2008	G09	Beam trawl	34F3	0	0	290	82	-	19	19	-
	331021	15/08/2008	UK1	Beam trawl	35F2	0	0	63	0	-	10	10	-
	331023	05/09/2008	UK1	Beam trawl	35F2	0	0	1094	47	-	20	20	-
	331024	12/09/2008	GO28	Beam trawl	33F3	0	0	21	0	-	14	14	-
	331025	12/09/2008	KW42	Beam trawl	34F2	0	0	74	17	-	18	18	-
						0	0	1574	161	-	102	102	-
						0	0	1655	177	-	125	125	-

Table : 17d
 Species : Ray spotted
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Sample weight (kg)				Number measured	Number aged
						Cat 1	Cat 2	Cat 3	Cat 4		
IVC	331026	03/10/2008	KW42	Beam trawl	34F2	0	0	127	30	20	20
	331027	03/10/2008	TX14	Beam trawl	35F2	0	0	94	96	23	23
	331028	17/10/2008	KW45	Beam trawl	35F2	0	0	411	51	23	23
	331029	17/10/2008	G038	Beam trawl	33F2	0	0	31	0	4	4
	331030	24/10/2008	G028	Beam trawl	31F2	0	0	50	6	16	16
	331031	31/10/2008	KW45	Beam trawl	35F2	0	0	702	196	20	20
	331032	14/11/2008	TX36	Beam trawl	35F2	0	0	29	0	16	16
	331033	14/11/2008	TX68	Beam trawl	35F1	0	0	343	30	19	19
	331034	21/11/2008	G09	Beam trawl	34F2	0	0	311	24	17	17
	331035	21/11/2008	G037	Beam trawl	35F3	0	0	37	5	16	16
	331036	21/11/2008	G048	Beam trawl	34F2	0	0	27	0	4	4
	331037	28/11/2008	Z60	Beam trawl	32F1	0	0	0	6	5	5
	331038	05/12/2008	E224	Beam trawl	33F2	0	0	200	0	9	9
						0	0	2362	444	192	192
						-----	-----	-----	-----	-----	-----
						0	0	2362	444	192	192
						=====	=====	=====	=====	=====	=====

Species	Ray thornback		sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
	Year	Type												
Area type	Commercial , age/length		samples		ICES div									
IVB	321016	17/03/2008	UK1		Beam trawl	36F1	0	5	37	8	-----	-----	19	19
IVC	321001	11/01/2008	GO26	Beam trawl	33F3	7	10	33	14	-----	-----	11	11	11
	321002	18/01/2008	VLI26	Beam trawl	31F2	0	3	27	23	-----	-----	26	26	26
	321003	18/01/2008	ARM18	Beam trawl	31F2	0	0	27	4	-----	-----	27	27	27
	321004	18/01/2008	VLI25	Beam trawl	31F2	0	0	9	17	-----	-----	22	22	22
	321005	18/01/2008	ARM17	Beam trawl	32F2	0	8	17	23	-----	-----	29	29	29
	321006	25/01/2008	KW145	Beam trawl	35F2	13	60	136	13	-----	-----	29	29	29
	321007	01/02/2008	KW88	Beam trawl	33F3	0	4	14	3	-----	-----	15	15	15
	321008	08/02/2008	KW145	Beam trawl	34F3	0	25	55	7	-----	-----	30	30	30
	321009	15/02/2008	ARM7	Beam trawl	31F2	0	0	3	11	-----	-----	26	26	26
	321010	15/02/2008	ARM15	Beam trawl	32F2	0	0	8	12	-----	-----	29	29	29
	321011	15/02/2008	ARM18	Beam trawl	31F2	0	5	11	17	-----	-----	19	19	19
	321012	22/02/2008	GO28	Beam trawl	33F2	0	0	0	1	-----	-----	1	1	1
	321013	07/03/2008	KW34	Beam trawl	35F3	35	213	415	240	-----	-----	40	40	40
	321014	14/03/2008	GO14	Beam trawl	34F2	0	22	65	0	-----	-----	16	16	16
	321015	14/03/2008	GO48	Beam trawl	34F2	0	7	8	0	-----	-----	7	7	7
	321017	31/03/2008	KW42	Beam trawl	34F2	0	25	73	9	-----	-----	26	26	26
						55	382	901	394	-----	-----	353	353	353
						55	387	938	402	-----	-----	372	372	372

Table : 19b

Species : Ray thornback
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

IMARES, 07 JUL 2009 16:31:44

area area sample number	landing date	vessel	gear	ices rect	Sample weight (kg)				Number measured	Number aged
					Cat 1	Cat 2	Cat 3	Cat 4		
IVB	321022	06/06/2008	TX19	Beam trawl	36F1	0	0	70	0	9
					---	---	---	---	---	---
IVC	321018	04/04/2008	G028	Beam trawl	33F3	0	3	0	0	9
	321019	23/05/2008	G020	Beam trawl	33F3	0	0	15	2	1
	321020	23/05/2008	G044	Beam trawl	33F3	0	5	6	2	11
	321021	23/05/2008	G09	Beam trawl	35F2	7	14	49	10	8
					---	---	---	---	31	31
					7	22	70	14	51	51
					---	---	---	---	---	---
					7	22	140	14	60	60
					=====	=====	=====	=====	=====	=====

Table : 19c

IMARES, 07JUL2009 16:31:44

Species : Ray thornback
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVB	321027	29/08/2008	TX19	Beam trawl	37F1	0	0	9	0	4	4	4
TVC	321023	11/07/2008	G031	Beam trawl	32F3	0	0	0	0	4	4	4
	321024	11/07/2008	SL3	Beam trawl	34F2	0	0	5	2	7	7	7
	321025	11/07/2008	G09	Beam trawl	34F3	11	165	59	19	25	25	25
	321026	15/08/2008	UK1	Beam trawl	35F2	0	47	63	0	33	33	33
	321028	05/09/2008	UK1	Beam trawl	35F2	146	380	1481	43	17	17	17
	321029	12/09/2008	G028	Beam trawl	33F3	5	70	35	0	37	37	37
	321030	12/09/2008	KW42	Beam trawl	34F2	0	35	59	24	25	25	25
						-	-	-	-	30	30	30
						162	697	2223	126	-	174	174
						-	-	-	-	-	178	178
						162	697	2232	126	-	-	-
						=	=	=	=	=	=	=

TIMARES, 07 JUL 2009 16:31:44
Table : 19d

Species	: Bay thornback
Year	: 2008, quarter : 4
Type	: Commercial , age/length
Area type	: ICES div

area	sample number	landing date	vessel	gear	ices rect	ices	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	321031	03/10/2008	KW42	Beam trawl	34F2	19	17	59	24	29	29	29	29
	321032	03/10/2008	TX14	Beam trawl	35F2	0	18	70	41	28	28	28	28
	321033	17/10/2008	KW45	Beam trawl	35F2	6	109	126	10	36	36	36	36
	321034	17/10/2008	GO38	Beam trawl	33F2	0	24	23	0	17	17	17	17
	321035	24/10/2008	GO28	Beam trawl	32F2	0	17	14	0	12	12	12	12
	321036	31/10/2008	KW45	Beam trawl	35F2	47	122	250	20	39	39	39	39
	321037	14/11/2008	TX36	Beam trawl	35F2	17	119	163	0	18	18	18	18
	321038	14/11/2008	TX68	Beam trawl	35F1	80	435	767	95	39	39	39	39
	321039	21/11/2008	GO9	Beam trawl	34F2	21	84	282	0	21	21	21	21
	321040	21/11/2008	GO37	Beam trawl	35F3	0	6	18	0	12	12	12	12
	321041	21/11/2008	GO48	Beam trawl	34F2	0	8	23	0	13	13	13	13
	321042	28/11/2008	Z60	Beam trawl	32F1	0	0	114	20	20	20	20	20
	321043	05/12/2008	P224	Beam trawl	33F2	5	4	7	0	6	6	6	6
						195	963	1916	210	290	290	290	290
VIID	321044	05/12/2008	SCH18	Twin trawl	30F1	27	124	0	0	23	23	23	23
						27	124	0	0	23	23	23	23
						222	1087	2130	210	313	313	313	313

Table : 21b

Species : Red mullet
 Year : 2008, quarter : 2
 Type : Commercial , length
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured
------	---------------	--------------	--------	------	-----------	-------	-------	-------	-------	--------------------	-----------------

IVC	380001	23/05/2008	GO20	Beam trawl	33F3	0	48	57		50	
	380002	23/05/2008	OD6	Beam trawl	32F3	17	24	85		75	
						17	72	142			
						17	72	142		125	
						====	====	====	====	125	

Table : 21c

Species : Red mullet
 Year : 2008, quarter : 3
 Type : Commercial , length
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured
------	---------------	--------------	--------	------	-----------	-------	-------	-------	-------	--------------------	-----------------

IVC	380003	11/07/2008	GO31	Beam trawl	32F3	3	11	25		58	
	380004	15/08/2008	TX94	Beam trawl	34F4	0	3	0		21	
						3	14	25			
						3	14	25	====	79	
						====	====	====	====	====	

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table : 22a

IMARES, 07 JUL 2009 16:31:44

Species : Bass
 Year : 2008, quarter : 1
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	391001	14/03/2008	ARM7	Beam trawl	32F2	0	43	357	426	35	35	-----
					-----	0	43	357	426	-----	35	35
					-----	0	43	357	426	-----	35	35
					=====	=====	=====	=====	=====	=====	=====	=====

Table : 22b

IMARES, 07 JUL 2009 16:31:44

Species : Bass
 Year : 2008, quarter : 2
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
IVC	391002	23/05/2008	SL42	Beam trawl	32F3	17	0	44	37	35	35	-----
	391003	23/05/2008	ARM20	Beam trawl	32F2	9	50	433	679	-----	42	42
					-----	26	50	477	716	-----	77	77
					=====	26	50	477	716	=====	77	77

Table : 22c

Species : Bass
 Year : 2008, quarter : 3
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
------	---------------	--------------	--------	------	-----------	-------	-------	-------	-------	--------------------	-----------------	-------------

IVC	391004	15/08/2008	ARM44	Beam trawl	31F2	45	71	93	59	45	45	-----
					-----	-----	-----	-----	-----	-----	-----	-----
					45	71	93	59	45	45	45	-----
					-----	-----	-----	-----	-----	-----	-----	-----
					45	71	93	59	45	45	45	-----
					=====	=====	=====	=====	=====	=====	=====	=====

Table : 22d

Species : Bass
 Year : 2008, quarter : 4
 Type : Commercial , age/length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured	Number aged
------	---------------	--------------	--------	------	-----------	-------	-------	-------	-------	--------------------	-----------------	-------------

IVC	391005	21/11/2008	OD6	Beam trawl	33F3	0	49	88	21	45	45	-----
					-----	0	49	88	21	45	45	-----
					-----	-----	-----	-----	-----	-----	-----	-----
					0	49	88	21	45	45	45	-----
					=====	=====	=====	=====	=====	=====	=====	=====

IMARES, 07JUL2009 16:31:44

IMARES, 07JUL2009 16:31:44

Table : 23a

Species : Common Shrimp

Year : 2008, quarter : 1

Type : Commercial , length samples

Area type : ICES div

area	sample number	landing date	vessel	gear	ices	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured
IVB	440003	11/03/2008	ZK87	Shrimp trawl	38F7	-----	-----	-----	-----	2853	-----
IVC	440001	31/01/2008	WR111	Shrimp trawl	34F4	125	119	551	-----	2853	-----
	440002	06/03/2008	HA4	Shrimp trawl	35F5	16	60	284	-----	-----	-----
						141	179	835	-----	-----	339
						141	179	835	2853	-----	348
						141	179	835	2853	-----	687
						141	179	835	2853	-----	793
						141	179	835	2853	-----	106

Table : 23b

IMARES, 07JUL2009 16:31:44

Species : Common Shrimp
 Year : 2008, quarter : 2
 Type : Commercial , length
 Area type : ICES div

area	sample number	landing	vessel	gear	ices	rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured
		date			rect							
IVB	440006	16/05/2008	SC19	Shrimp trawl	39F8	---	---	---	---	731	126	
	440009	30/05/2008	ZK43	Shrimp trawl	36F6							
IVC	440004	18/04/2008	G059	Shrimp trawl	32F4	---	---	---	---	3304	---	
	440005	15/05/2008	HA61	Shrimp trawl	35F4		479	427	317			
	440007	23/05/2008	WR2	Shrimp trawl	35F5	164	217	1899	181	159	10.9	
	440008	23/05/2008	G059	Shrimp trawl	32F3	---	---	---	---			
						643	644	2216	340	878	1116	
						643	644	2216	3644	=====	=====	

Table : 23d
 Species : Common Shrimp
 Year : 2008, quarter : 4
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	Sample weight (kg)	Number measured
IVB	440017	15/10/2008	UQ1	Shrimp trawl	36F6	---	---	---	853	---	108
IVC	440016	14/10/2008	HD16	Shrimp trawl	35F4	181	528	2973	---	853	---
	440018	12/11/2008	TS6	Shrimp trawl	35F5	---	---	---	---	---	108
	440019	13/11/2008	OL37	Shrimp trawl	35F6	---	---	---	---	---	311
	440020	03/12/2008	WR80	Shrimp trawl	35F5	187	328	2223	3061	324	121
	440021	04/12/2008	FA41	Shrimp trawl	35F5	82	296	835	---	---	314
	440022	11/12/2008	LO10	Shrimp trawl	35F5	---	---	---	---	---	325
	440023	12/12/2008	G029	Shrimp trawl	32F3	---	---	---	1697	1591	117
						450	1152	6031	6349	6031	109
						450	1152	6031	7202	7202	1621
						450	1152	6031	7202	7202	1729
						=====	=====	=====	=====	=====	=====

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 Overview of samples
 Generated: 07JUL2009 16:31:44

species	v_cat
	LAND
	Commercial
	Industrial
	Aged
Bass	202
Blue whiting	1875
Brill	990
Cod	1066
Common Shrimp	
Dab	300
Greater argentine	625
Herring	3650
Horse mackerel	2575
Lemon sole	216
Mackerel	1225
Nephrops	
Plaice	4168
Ray blond	380
Ray cuckoo	1
Ray spotted	517
Ray thornback	923
Red mullet	
Sole	3548
Turbot	953
Whiting	600

Institute for Marine Resources & Ecosystem Studies (IMARES)
 Overview of samples
 Generated: 07JUL2009 16:31:44

species	v_cat
	LAND
	Commercial
	Industrial
	Meas
Bass	202
Blue whiting	14520
Brill	990
Cod	2082
Common Shrimp	4990
Dab	2716
Greater argentine	1695
Herring	18060
Horse mackerel	15544
Lemon sole	216
Mackerel	4861
Nephrops	12778
Plaice	4168
Ray blond	380
Ray cuckoo	1
Ray spotted	517
Ray thornback	923
Red mullet	204
Sole	3548
Turbot	953
Whiting	2868

Annex II Figures

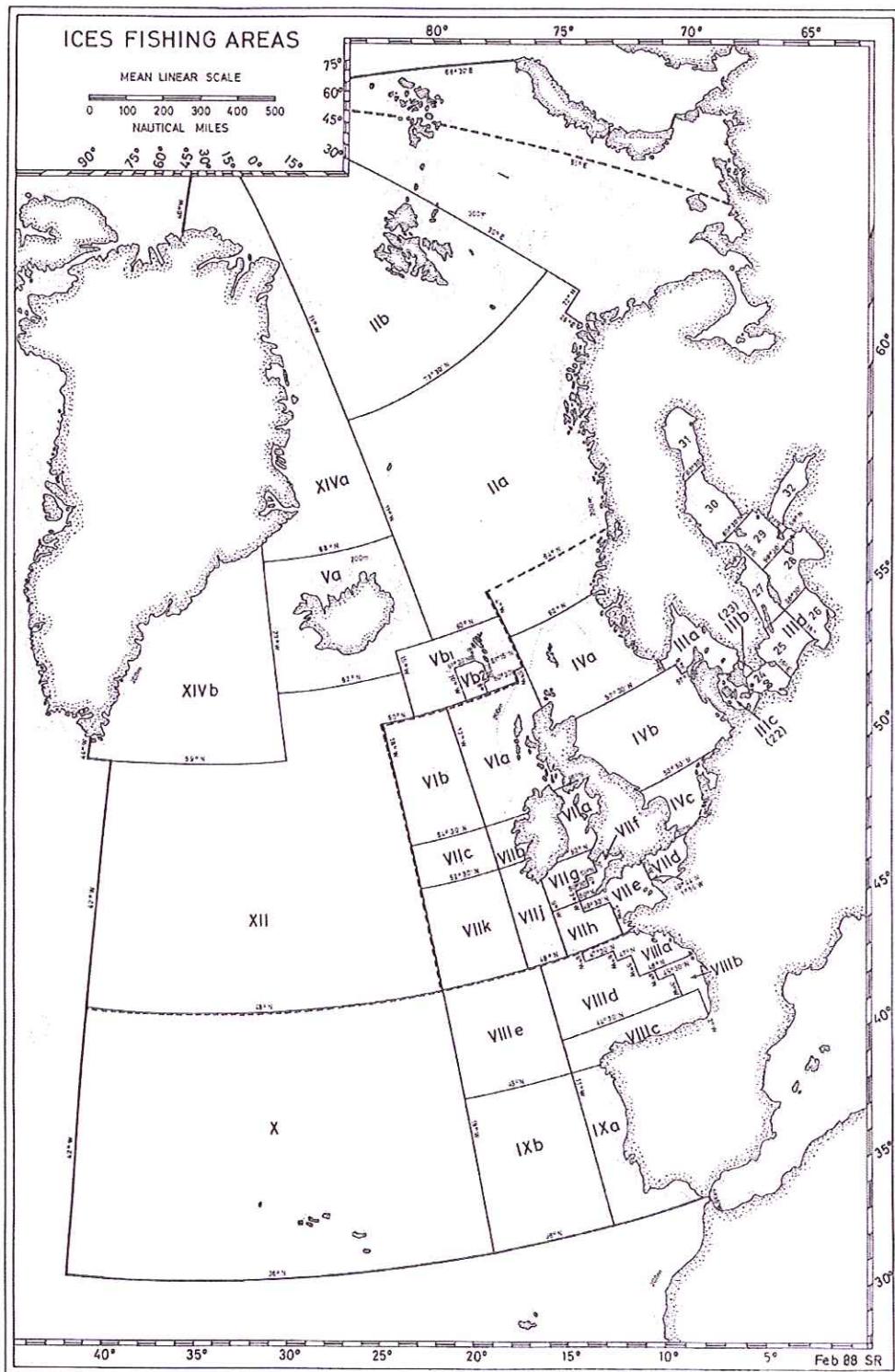


Figure 1: Map of ICES area

