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Market Sampling of Landings of Commercial Fish
Species in the Netherlands in 2006

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Summary

The biological market-sampling programme for marine fish species provides, together with the information from the assessment surveys by research vessels, the information which is essential for relating changes in the fish stocks to changes in the fishery. The market sampling program in the Netherlands comprises 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, this 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. Because of seasonal changes in growth (due to food availability, temperature, spawning) ring structures are formed in the otolith similar to the ring structures on transverse sections of a tree. Age determination is important because from the 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 program in 2006: which species were sampled, how they were caught, 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 gives an overview of all the biological sampling activities in 2006 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 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 **2006** is described in this report in tables and figures. The overview below show the table and figure numbers corresponding to the species described.

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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 programs 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 programs 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, this 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 program 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 2006 represents 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 probable 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 2006 market sampling is given in The Netherlands National Programme for Collection of Fisheries Data in 2006 and carried out in "Programma Wettelijke en Dientsverlenende Taken Visserijonderzoek 2002-2006 (WERKPLAN 2006, van Beek 2006). This report presents the actual biological sampling of the landings in 2006, 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 2006 – The Netherlands" (Anon., 2007). Sampling in previous years have been presented several RIVO reports, which are listed in section 5. A brief description of the sampling procedures presently applied in the Netherlands is given. The market sampling program in 2006 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, thornback ray, Norway lobster, red mullet and bass.

In earlier reports the additional samples taken during research vessel surveys were presented as well. From 2003 onwards, the results of this sampling are no longer included in this report. An overview of samples taken during surveys can be obtained from the IMARES FRISBE-database.

Details of the biological sampling for the 2006 market-sampling program as well as the survey sampling 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 by species. 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 and d after the table or figure numbers refer 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,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. Table 1 shows the market size categories for these species together with the number of fish taken in 2006 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 major landing ports (Den Helder, Stellendam, Urk and IJmuiden), which account for about 80% of the national landings. 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.

Sampling during spawning time (plaice: first quarter; sole, turbot and brill: second quarter) 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 stage of maturity are recorded and both otoliths are removed for age determination. The age of the fish is determined by counting the number of rings on the slides of the sectioned otoliths.

Details on the planning of the sampling and the actual number of samples taken, are reported in "Technical Report of Activity 2006 – The Netherlands" (Anon., 2007).

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. Sampling is carried out in Urk and IJmuiden.

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. Sampling is carried out in IJmuiden, Urk, Vlissingen and Stellendam

2.2 Cod and Whiting

Cod and whiting are caught by beam trawlers, pair trawlers 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 and Vlissingen. 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 2006 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 (1 otolith per 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 usually 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 (IJmuiden, Scheveningen or Vlissingen). 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.

On board of a number of selected commercial vessels, crewmembers, trained for their task by IMARES staff, 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 or two samples per week per fish species per ICES Division or Subdivision are 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 immediately after arrival of the vessels in a Dutch port. The samples are weighted and all fish are sorted into cm-groups 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 caught by beam trawlers, pair trawlers and otter trawlers in the North Sea. The latter two fleets have almost disappeared over the last ten years. Rays are sampled 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 2006 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 2005 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 are collected in the auction or length 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. Both of whole Norway lobster, as well of the 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 threatened 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 there is no age composition available.

2.7 Bass

Bass is included in the market sampling project since 2005. Bass is mainly caught by relative small coastal vessels using gillnets and to a lesser extent 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.

3 Data processing and data usage

All data collected in 2006 and in previous years are stored in a database. When the biological data are entered 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 2006, but it does not include an evaluation of the sampling, as this is included in the "Technical Report of Activity 2006 – The Netherlands" (Anon., 2007).

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 2006 discard sampling was carried on board of beam trawlers and freezer trawlers in all quarters. The [discard sampling in 2006](#) is reported in Van Helmond, in prep. Since 2003, details of the biological sampling discard surveys are no longer described in this report.

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Tables

Table 1: Market size categories as applied in Dutch auctions and the number of fish taken in 2006 by IMARES per size category for an age and length sample

Species	Market size category	From	To (not inclusive)	Nr of fish in one AGE sample	Nr of fish in one LENGTH 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

Table : 2b IMARES, 16NOV2007 8:47:41

Species : Sole
 Year : 2006, 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	Cat 5	Sample weight (kg)	Number measured	Number aged
IVB	111017	10/04/2062	UK2	Beam trawl	38F5	123	268	205	190	154		50	50
	111018	10/04/2062	UK217	Beam trawl	37F6	140	218	249	209	208		50	50
	111028	12/05/2062	UK382	Beam trawl	38F6	56	34	57	40	5		50	50
	111029	15/05/2062	UK383	Beam trawl	39F7	65	99	96	64	6		50	50
	111030	15/05/2062	SC21	Beam trawl	40F7	30	39	52	49	9		50	50
	111036	12/06/2062	UK87	Beam trawl	36F4	58	328	397	341	311		50	50
	111038	12/06/2062	UK246	Beam trawl	36F4	20	174	249	232	161		50	50
						492	1160	1305	1125	854		350	350
IVC	111010	07/04/2062	ARM14	Beam trawl	32F2	404	1080	783	963	1845		50	50
	111015	07/04/2062	TX36	Beam trawl	35F2	207	555	636	607	466		50	50
	111016	07/04/2062	TX1	Beam trawl	35F1	218	648	743	733	460		50	50
	111019	14/04/2062	ARM22	Beam trawl	31F2	202	746	658	802	950		50	50
	111020	14/04/2062	GO4	Beam trawl	33F2	98	557	631	709	912		50	50
	111021	14/04/2062	SL42	Beam trawl	31F2	204	718	692	715	711		50	50
	111022	21/04/2062	GO22	Beam trawl	32F3	70	270	310	376	383		50	50
	111023	12/05/2062	GO5	Beam trawl	34F3	62	345	345	382	29		50	50
	111024	12/05/2062	GO37	Beam trawl	33F3	55	312	311	385	257		50	50
	111025	12/05/2062	GO20	Beam trawl	31F3	62	409	347	292	229		50	50
	111026	12/05/2062	ARM18	Beam trawl	31F2	93	259	299	385	295		50	50
	111027	12/05/2062	ARM25	Beam trawl	32F3	61	171	127	177	294		50	50
	111031	19/05/2062	GO56	Beam trawl	33F3	40	226	240	305	247		50	50
	111032	19/05/2062	TX36	Beam trawl	34F2	88	540	827	1166	1054		50	50
	111033	19/05/2062	TX3	Beam trawl	34F3	93	374	358	286	403		50	50
	111034	09/06/2062	GO1	Beam trawl	32F3	21	129	123	182	185		50	50
	111035	09/06/2062	OD8	Beam trawl	33F3	19	78	143	194	135		50	50
	111037	12/06/2062	UK162	Beam trawl	34F4	35	200	193	203	180		50	50
	111039	16/06/2062	KW145	Beam trawl	35F2	40	162	233	211	49		50	50
	111040	16/06/2062	GO56	Beam trawl	33F3	42	207	195	246	203		50	50
111041	16/06/2062	TX38	Beam trawl	35F2	93	342	512	724	724		50	50	
111042	16/06/2062	TX3	Beam trawl	35F3	57	235	178	241	329		50	50	
111043	09/06/2062	ARM15	Beam trawl	32F2	63	205	308	530	398		50	50	

Table : 2c IMARES, 16NOV2007 8:47:41

Species : Sole
 Year : 2006, 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	Cat 5	Sample weight (kg)	Number measured	Number aged
IVB	111049	14/08/2062	UK184	Beam trawl	37F7	37	129	169	325	641		50	50
	111050	14/08/2062	LE63	Beam trawl	36F3	37	271	392	502	760		50	50
	111051	18/08/2062	TX14	Beam trawl	36F4	50	246	231	316	672		50	50
						124	646	792	1143	2073		150	150
IVC	111044	14/07/2062	Z431	Beam trawl	31F2	6	85	186	435	428		50	50
	111045	07/07/2062	GO38	Beam trawl	33F3	36	246	271	294	228		50	50
	111046	07/07/2062	TX36	Beam trawl	34F2	63	336	396	624	526		50	50
	111047	10/07/2062	SC31	Beam trawl	35F3	34	180	277	320	464		50	50
	111048	14/07/2062	GO8	Beam trawl	33F3	32	187	201	254	354		50	50
	111052	11/09/2062	UK95	Beam trawl	34F3	25	150	199	450	570		50	50
	111053	15/09/2062	GO4	Beam trawl	33F2	40	288	371	502	451		50	50
	111054	15/09/2062	TX36	Beam trawl	34F2	59	431	509	700	718		50	50
	111059	08/09/2062	GO9	Beam trawl	34F2	71	351	416	418	349		50	50
						366	2254	2826	3997	4088		450	450
					490	2900	3618	5140	6161		600	600	

Table : 2d IMARES, 16NOV2007 8:47:41

Species : Sole
 Year : 2006, 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
IVB	111055	09/10/2062	UK197	Beam trawl	37F6	75	238	214	314	212		50	50
	111056	09/10/2062	UK87	Beam trawl	37F5	70	289	221	385	352		50	50
	111062	10/11/2062	UK1	Beam trawl	37F1	115	482	464	327	110		50	50
	111064	13/11/2062	UK33	Beam trawl	36F3	50	275	318	376	578		50	50
	111067	08/12/2062	KW34	Beam trawl	36F0	33	136	187	259	205		50	50
	111068	11/12/2062	UK197	Beam trawl	37F5	35	101	112	177	205		50	50
	111069	11/12/2062	UK202	Beam trawl	37F7	55	184	198	275	151		50	50
						433	1705	1714	2113	1813		350	350
IVC	111057	13/10/2062	GO56	Beam trawl	35F3	40	210	282	451	768		50	50
	111058	13/10/2062	TX36	Beam trawl	34F2	88	413	419	649	1117		50	50
	111060	27/10/2062	OD8	Beam trawl	32F3	63	239	203	357	345		50	50
	111061	27/10/2062	ARM7	Beam trawl	31F2	110	435	396	873	1909		50	50
	111063	10/11/2062	ARM20	Beam trawl	32F2	82	174	206	374	733		50	50
	111065	13/11/2062	UK162	Beam trawl	35F3	42	175	211	285	445		50	50
	111066	08/12/2062	TX14	Beam trawl	35F2	21	137	164	206	437		50	50
	111070	15/12/2062	OD6	Beam trawl	33F3	90	229	214	336	846		50	50
	111071	15/12/2062	VLI27	Beam trawl	32F3	84	212	277	752	1659		50	50
							620	2224	2372	4283	8259		450
						1053	3929	4086	6396	10072		800	800
						=====	=====	=====	=====	=====		=====	=====

Table : 3a IMARES, 16NOV2007 8:47:41
 Species : Plaice
 Year : 2006, 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	101001	16/01/2006	UK383	Beam trawl	37F6	477	2972	5397	4240		60	60	
	101002	16/01/2006	UK88	Beam trawl	37F6	438	1699	2692	2248		60	60	
	101003	16/01/2006	UK2	Beam trawl	38F6	743	3261	5301	4371		60	60	
	101006	16/01/2006	UK67	Beam trawl	37F6	500	2468	3632	2791		60	60	
	101012	06/02/2006	LE63	Beam trawl	36F3	317	1740	2680	2686		60	60	
	101015	06/02/2006	WN1	Beam trawl	37F1	207	638	948	1353		60	60	
	101016	10/02/2006	TX19	Beam trawl	36F2	313	691	1046	1780		60	60	
	101020	13/03/2006	WN1	Beam trawl	38F3	554	2248	3044	3616		60	60	
	101021	13/03/2006	UK64	Beam trawl	37F5	168	734	1050	1055		60	60	
	101022	13/03/2006	PD126	Beam trawl	40F5	310	1274	1971	2289		60	60	
	101023	13/03/2006	UK68	Beam trawl	37F5	151	792	877	633		60	60	
	101024	13/03/2006	UK382	Beam trawl	37F6	238	949	1911	2810		60	60	
							4416	19466	30549	29872		720	720
	IVC	101004	16/01/2006	PD256	Beam trawl	33F2	632	2681	3783	7825		60	60
101005		16/01/2006	WN1	Beam trawl	34F2	989	3914	4338	4408		60	60	
101007		20/01/2006	GO9	Beam trawl	34F2	611	1899	2328	2989		60	60	
101008		20/01/2006	GO4	Beam trawl	33F2	692	2723	3620	3847		60	60	
101009		27/01/2006	TX32	Beam trawl	34F3	772	3603	3380	2247		59	59	
101010		06/02/2006	GY287	Beam trawl	34F2	532	2492	3746	5962		60	60	
101011		06/02/2006	UK95	Beam trawl	35F4	179	1244	2023	1243		60	60	
101013		06/02/2006	UK162	Beam trawl	35F3	305	1705	2472	2238		60	60	
101014		06/02/2006	UK64	Beam trawl	35F4	578	2634	3403	3011		60	60	
101017		10/02/2006	OD8	Beam trawl	32F2	105	567	868	1849		60	60	
101018		17/02/2006	TX1	Beam trawl	34F2	136	561	801	1408		60	60	
101019		10/03/2006	GO37	Beam trawl	34F3	68	458	846	1793		59	59	
101025		17/03/2006	KW49	Beam trawl	34F3	130	269	330	843		60	60	
101026		24/03/2006	KW49	Beam trawl	33F2	71	146	233	764		57	57	
						5800	24896	32171	40427		835	835	

10216 44362 62720 70299 1555 1555
 =====

Table : 3b IMARES, 16NOV2007 8:47:41

Species : Plaice
 Year : 2006, 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
IVB	101027	10/04/2006	UK64	Beam trawl	37F3	106	451	564	643		59	59
	101028	10/04/2006	UK2	Beam trawl	37F5	82	512	626	583		60	60
	101029	10/04/2006	NG5	Beam trawl	36F4	136	683	925	915		60	60
	101031	15/05/2006	UK104	Beam trawl	39F2	853	3303	3489	2926		60	60
	101032	15/05/2006	E104	Twin trawl	39F4	264	1687	3119	4602		60	60
	101033	15/05/2006	UK382	Beam trawl	38F6	271	865	1940	2923		60	60
	101034	15/05/2006	R450K	Beam trawl	40F7	189	1197	2920	6388		60	60
	101039	12/06/2006	UK20	Twin trawl	39F4	231	1323	1994	2292		60	60
							2132	10021	15577	21272		479
IVC	101030	12/05/2006	GO5	Beam trawl	34F3	41	92	137	463		60	60
	101035	19/05/2006	TX36	Beam trawl	34F2	75	387	572	1484		60	60
	101036	09/06/2006	OD8	Beam trawl	33F3	59	135	781	1640		60	60
	101037	12/06/2006	UK87	Beam trawl	35F4	75	473	502	851		60	60
	101038	12/06/2006	UK162	Beam trawl	34F4	92	410	460	780		60	60
						342	1497	2452	5218		300	300
						2474	11518	18029	26490		779	779
						=====	=====	=====	=====		=====	=====

Table : 3d IMARES, 16NOV2007 8:47:41

Species : Plaice
 Year : 2006, 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	09/10/2006	PD147	Triple trawl	41F6	179	1036	3055	6226		60	60	
	101055	09/10/2006	UK197	Beam trawl	37F6	295	1247	1769	3776		60	60	
	101056	09/10/2006	UK87	Beam trawl	37F5	287	899	1105	2792		60	60	
	101057	09/10/2006	UK167	Beam trawl	37F5	321	1046	1018	1821		60	60	
	101059	10/11/2006	UK1	Beam trawl	37F1	743	1713	2326	2936		60	60	
	101063	13/11/2006	UK162	Beam trawl	40F6	407	1835	3475	10979		60	60	
	101064	13/11/2006	BCK40	Beam trawl	41F7	245	1803	3622	12027		60	60	
	101065	13/11/2006	LT62	Beam trawl	36F2	1182	2620	2096	2926		60	60	
	101066	13/11/2006	UK33	Beam trawl	37F3	989	2170	2005	2761		60	60	
	101068	11/12/2006	UK202	Beam trawl	37F7	166	581	525	732		60	60	
	101069	11/12/2006	R450K	Beam trawl	42F6	191	1294	2817	4470		60	60	
	101070	11/12/2006	UK197	Beam trawl	37F6	274	988	1159	1691		60	60	
	101071	11/12/2006	UK167	Beam trawl	37F5	270	886	1219	1332		60	60	
							5549	18118	26191	54469		780	780
	IVC	101058	13/10/2006	GO56	Beam trawl	35F3	210	551	1009	2576		60	60
101060		10/11/2006	GO9	Beam trawl	35F2	475	776	975	1835		60	60	
101061		13/11/2006	PD156	Beam trawl	35F3	1161	2590	2218	3522		60	60	
101062		13/11/2006	UK176	Beam trawl	35F3	286	843	756	1119		60	60	
101067		17/11/2006	TX1	Beam trawl	35F2	782	2052	2076	3237		60	60	
							2914	6812	7034	12289		300	300
						8463	24930	33225	66758		1080	1080	
						=====	=====	=====	=====		=====	=====	

Table : 5a IMARES, 16NOV2007 8:47:41

Species : Brill
 Year : 2006, 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	131001	16/01/2006	UK2	Beam trawl	37F6	31	49	7		30	30
	131002	06/02/2006	UK52	Beam trawl	37F5	98	56	5		39	39
						129	105	12		69	69
IVC	131003	17/02/2006	TX3	Beam trawl	35F4	4	5	14		22	22
	131004	10/03/2006	GO28	Beam trawl	33F2	48	92	8		36	36
	131005	10/03/2006	SL3	Beam trawl	35F2	75	65	3		40	40
						127	162	25		98	98
					256	267	37		167	167	
					====	====	====	=====	=====	=====	

Table : 6a IMARES, 16NOV2007 8:47:41

Species : Dab
 Year : 2006, 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	121001	16/01/2062	UK88	Beam trawl	36F4	230		25
						230		25
IVC	121002 121003	20/01/2062 10/02/2062	G056 OD8	Beam trawl Beam trawl	34F3 32F3	1512		25
						1150		25
						2662		50
						2892		75
						=====	=====	=====

Table : 6b IMARES, 16NOV2007 8:47:41

Species :
 Year : 2006, quarter : 2
 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	121004	10/04/2062	E126	Twin trawl	37F6	8647	8647	25
							8647	25
IVC	121005	12/05/2062	GO20	Beam trawl	32F3	240	240	25
	121006	09/06/2062	UK145	Otter trawl	34F4	533	533	25
						773	773	50
						9420	9420	75
						====	=====	=====

Table : 6c IMARES, 16NOV2007 8:47:41
 Species : Dab
 Year : 2006, quarter : 3
 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	121007	07/07/2062	UK137	Otter trawl	36F3	129		25
	121008	10/07/2062	UK217	Beam trawl	43F7	3167		25
						3296		50
IVC	121009	25/08/2062	GO8	Beam trawl	34F4	280		25
						280		25
						3576		75
						=====	=====	=====

Table : 6d IMARES, 16NOV2007 8:47:41
 Species : Dab
 Year : 2006, quarter : 4
 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	121010	09/10/2062	PD147	Otter trawl	41F6	886	-----	25
						886	-----	25
IVC	121011	27/10/2062	OD8	Beam trawl	31F3	254	-----	25
	121012	10/11/2062	GO22	Beam trawl	34F3	166	-----	25
						420	-----	50
						1306	-----	75
						=====	=====	=====

Table : 6e IMARES, 16NOV2007 8:47:41

Species : Dab
 Year : 2006, 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	120001	16/01/2062	UK383	Beam trawl	38F6	581		34
	120002	16/01/2062	UK88	Beam trawl	36F4	230		140
						811		174
IVC	120003	20/01/2062	ARM18	Beam trawl	32F2	120		45
	120004	20/01/2062	GO56	Beam trawl	34F3	1512		117
	120005	10/02/2062	ARM44	Beam trawl	31F2	2576		57
	120006	10/02/2062	OD8	Beam trawl	32F3	1150		146
						5358		365
						6169		539
						=====		=====

Table : 6f IMARES, 16NOV2007 8:47:41
 Species : Dab
 Year : 2006, 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	120007	10/04/2062	E126	Twin trawl	37F6	8647		216
	120011	19/05/2062	WR68	Twin trawl	36F2	83		43
	120012	19/05/2062	WR18	Twin trawl	37F2	30		46
	120014	16/06/2062	WR19	Twin trawl	37F2	119		42
						8879		347
IVC	120008	14/04/2062	SL3	Beam trawl	34F2	116		43
	120009	12/05/2062	GO31	Beam trawl	33F3	240		55
	120010	12/05/2062	GO20	Beam trawl	32F3	240		192
	120013	09/06/2062	UK145	Otter trawl	34F4	533		179
						1129		469
						10008		816

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Table : 6g IMARES, 16NOV2007 8:47:41
 Species : Dab
 Year : 2006, 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	07/07/2062	WR17	Twin trawl	36F3	20		36	
	120016	07/07/2062	UK137	Otter trawl	36F3	129		235	
	120017	10/07/2062	UK217	Beam trawl	43F7	3167		128	
						3316		399	
IVC	120018	25/08/2062	GO8	Beam trawl	34F4	280		242	
							280		242
							3596		641

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Table : 6h IMARES, 16NOV2007 8:47:41

Species : Dab
 Year : 2006, quarter : 4
 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	120019	09/10/2062	PD147	Otter trawl	41F6	856		158
						856		158
IVC	120020	27/10/2062	OD8	Beam trawl	32F3	254		172
	120021	10/11/2062	GO27	Beam trawl	34F2	39		36
	120022	10/11/2062	GO22	Beam trawl	34F3	166		248
	120023	08/12/2062	GO38	Beam trawl	34F2	143		31
	120024	15/12/2062	ARM15	Beam trawl	32F2	186		28
	120025	18/12/2062	KW145	Beam trawl	35F2	126		52
						914		567

Table : 7b IMARES, 16NOV2007 8:47:41
 Species : Lemon sole
 Year : 2006, 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	Sample weight (kg)	Number measured	Number aged
IVB	161002	12/06/2006	LT60	Beam trawl	39F3	4	50	1087		56	56
						4	50	1087		56	56
						4	50	1087		56	56
						====	====	====	=====	=====	=====

Table : 7c IMARES, 16NOV2007 8:47:41

Species : Lemon sole
 Year : 2006, 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	11/09/2006	PD126	Beam trawl	37F2	10	32	567		75	75
						10	32	567		75	75
						10	32	567		75	75
						====	====	====	=====	=====	=====

Table : 7d IMARES, 16NOV2007 8:47:41

Species : Lemon sole
 Year : 2006, 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	13/11/2006	BCK40	Beam trawl	41F7	0	31	32		50	50
						0	31	32		50	50
						0	31	32		50	50

Table : 8a IMARES, 16NOV2007 8:47:41
 Species : Cod
 Year : 2006, 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	191003	16/01/2006	UK383	Beam trawl	38F6	162	72	78	28	21	0		60
	191007	06/02/2006	UK47	Beam trawl	36F4	21	38	92	64	34	19		54
						183	110	170	92	55	19		114
IVC	191001	06/01/2006	KW42	Beam trawl	34F2	109	37	107	51	23	2		60
	191002	13/01/2006	KW49	Beam trawl	33F2	38	36	78	95	37	6		54
	191004	20/01/2006	ARM18	Beam trawl	32F2	7	90	195	495	270	0		60

IVC	191013	07/04/2006	TX94	Beam trawl	35F3	0	65	55	11	3	0	44
	191015	14/04/2006	SL3	Beam trawl	34F2	46	35	24	29	6	0	44
	191016	12/05/2006	GO31	Beam trawl	33F3	0	4	14	14	17	0	38
	191018	02/06/2006	GO26	Beam trawl	33F3	0	33	62	26	15	20	55
	191021	23/06/2006	GO38	Beam trawl	32F3	0	0	10	25	19	26	49
						46	137	165	105	60	46	230
						216	437	627	323	171	81	450
						=====	=====	=====	=====	=====	=====	=====

Table : 8c

IMARES, 16NOV2007 8:47:41

Species : Cod
 Year : 2006, 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	191022	07/07/2006	WR213	Twin trawl	36F3	6	17	52	35	16	11		53
	191023	10/07/2006	UK133	Beam trawl	43F7	18	218	836	115	66	16		60
						24	235	888	150	82	27		113
IVC	191024	18/08/2006	UK137	Otter trawl	33F4	7	12	74	44	109	265		44

191025	25/08/2006	GO14	Beam trawl	35F2	7	12	12	45	45	0	39
191026	01/09/2006	GO22	Beam trawl	34F3	0	7	21	32	35	9	48
					-----	-----	-----	-----	-----	-----	-----
					14	31	107	121	189	274	131
					-----	-----	-----	-----	-----	-----	-----
					38	266	995	271	271	301	244
					=====	=====	=====	=====	=====	=====	=====

Table : 8d IMARES, 16NOV2007 8:47:41
 Species : Cod
 Year : 2006, 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	191027	06/10/2006	FR231	Twin trawl	39F4	486	123	493	87	38	37		60
	191032	13/11/2006	BCK40	Beam trawl	40F7	237	145	129	55	48	31		60
	191036	11/12/2006	UK47	Beam trawl	39F6	62	63	62	31	22	0		54
						-----	-----	-----	-----	-----	-----	-----	-----
						785	331	684	173	108	68		174

IVC	Sample ID	Date	Vessel	Gear	ICES Rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number measured
	191028	13/10/2006	YM8	Otter trawl	33F3	0	8	32	34	77	73		52
	191029	27/10/2006	GO56	Beam trawl	35F3	0	0	21	19	24	0		39
	191030	06/11/2006	KW49	Beam trawl	34F2	0	11	35	30	19	9		51
	191031	10/11/2006	GO27	Beam trawl	34F2	0	4	32	22	26	0		49
	191033	17/11/2006	GO5	Beam trawl	35F3	0	15	22	29	14	12		47
	191034	24/11/2006	KW49	Beam trawl	34F2	7	26	64	23	29	16		50
	191035	08/12/2006	GO38	Beam trawl	34F2	18	24	60	22	9	5		47
	191037	15/12/2006	ARM15	Beam trawl	32F2	11	30	45	266	539	0		53
	191038	18/12/2006	KW145	Beam trawl	35F2	54	20	40	17	10	7		59
	191039	22/12/2006	KW42	Beam trawl	33F2	7	0	147	65	45	9		49
						97	138	498	527	792	131		496
						882	469	1182	700	900	199		670
						=====	=====	=====	=====	=====	=====	=====	=====

Table : 8e IMARES, 16NOV2007 8:47:41

Species : Cod
 Year : 2006, quarter : 1
 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	190003	16/01/2006	UK383	Beam trawl	38F6	162	72	78	28	21	0		50
	190008	06/02/2006	UK47	Beam trawl	36F4	21	38	92	64	34	19		54
						183	110	170	92	55	19		104

IVC	Sample ID	Date	Vessel	Gear	ICES Rect	Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6	Sample weight (kg)	Number measured
	190001	06/01/2006	KW42	Beam trawl	34F2	109	37	107	51	23	2		60
	190002	13/01/2006	KW49	Beam trawl	33F2	38	36	78	95	37	6		54
	190004	20/01/2006	ARM18	Beam trawl	32F2	7	90	195	495	270	0		60
	190005	20/01/2006	ARM17	Beam trawl	32F2	43	122	240	492	210	0		46
	190006	27/01/2006	KW34	Beam trawl	35F2	73	28	173	82	20	0		49
	190007	03/02/2006	GO26	Beam trawl	34F3	44	52	126	79	36	11		56
	190009	10/02/2006	ARM44	Beam trawl	31F2	32	47	164	600	200	0		60
	190010	24/02/2006	GO26	Beam trawl	33F3	143	61	72	51	6	2		60
	190011	03/03/2006	GO22	Beam trawl	33F3	139	28	55	55	21	0		50
	190012	10/03/2006	GO56	Beam trawl	33F3	63	30	39	26	23	0		55
	190013	24/03/2006	TX19	Beam trawl	35F3	114	48	73	71	33	0		55
						805	579	1322	2097	879	21		605
						988	689	1492	2189	934	40		709
						=====	=====	=====	=====	=====	=====	=====	=====

Table : 8f IMARES, 16NOV2007 8:47:41
 Species : Cod
 Year : 2006, 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	190015	10/04/2006	UK168	Beam trawl	37F5	77	92	66	30	26	0		59
	190018	19/05/2006	WR68	Twin trawl	36F2	31	27	115	123	40	11		55
	190020	12/06/2006	P224	Beam trawl	43F7	55	132	256	56	35	19		55

	190021	16/06/2006	WR19	Twin trawl	37F2	7	49	25	9	10	5		52
						-----	-----	-----	-----	-----	-----	-----	-----
						170	300	462	218	111	35		221
						-----	-----	-----	-----	-----	-----	-----	-----
IVC	190014	07/04/2006	TX94	Beam trawl	35F3	0	65	55	11	3	0		44
	190016	14/04/2006	SL3	Beam trawl	34F2	46	35	24	29	6	0		44
	190017	12/05/2006	GO31	Beam trawl	33F3	0	4	14	14	17	0		38
	190019	02/06/2006	GO26	Beam trawl	33F3	0	33	62	26	15	20		55
	190022	23/06/2006	GO38	Beam trawl	32F3	0	0	10	25	19	26		49
						-----	-----	-----	-----	-----	-----	-----	-----
						46	137	165	105	60	46		230
						-----	-----	-----	-----	-----	-----	-----	-----
						216	437	627	323	171	81		451
						=====	=====	=====	=====	=====	=====	=====	=====

Table : 8g IMARES, 16NOV2007 8:47:41

Species : Cod
 Year : 2006, quarter : 3
 Type : Commercial , length samples
 Area type : ICES div

area	sample number	landing date	vessel	gear	ices rect							Sample weight (kg)	Number measured
						Cat 1	Cat 2	Cat 3	Cat 4	Cat 5	Cat 6		
IVB	190023	07/07/2006	WR213	Twin trawl	36F3	6	17	52	35	16	11		53
	190024	10/07/2006	UK133	Beam trawl	43F7	18	218	836	115	66	16		60

				24	235	888	150	82	27	113		
IVC	190025	18/08/2006	UK137	Otter trawl	33F4	7	12	74	44	109	265	44
	190026	25/08/2006	GO14	Beam trawl	35F2	7	12	12	45	45	0	39
	190027	01/09/2006	GO22	Beam trawl	34F3	0	7	21	32	35	9	48
				14	31	107	121	189	274	131		
				38	266	995	271	271	301	244		
				=====	=====	=====	=====	=====	=====	=====		

Table : 8h IMARES, 16NOV2007 8:47:41

Species : Cod
 Year : 2006, 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	190028	06/10/2006	FR231	Twin trawl	39F4	486	123	493	87	38	37		60

	190033	13/11/2006	BCK40	Beam trawl	40F7	237	145	129	55	48	31	60
	190037	11/12/2006	UK47	Beam trawl	39F6	62	63	62	31	22	0	54
						-----	-----	-----	-----	-----	-----	-----
						785	331	684	173	108	68	174
IVC	190029	13/10/2006	YM8	Otter trawl	33F3	0	8	32	34	77	73	52
	190030	27/10/2006	GO56	Beam trawl	35F3	0	0	21	19	24	0	39
	190031	06/11/2006	KW49	Beam trawl	34F2	0	11	35	30	19	9	51
	190032	10/11/2006	GO27	Beam trawl	34F2	0	4	32	22	26	0	49
	190034	17/11/2006	GO5	Beam trawl	35F3	0	15	22	29	14	12	47
	190035	24/11/2006	KW49	Beam trawl	34F2	7	26	64	23	29	16	50
	190036	08/12/2006	GO38	Beam trawl	34F2	18	24	60	22	9	5	47
	190038	15/12/2006	ARM15	Beam trawl	32F2	11	30	45	266	539	0	53
	190039	18/12/2006	KW145	Beam trawl	35F2	54	20	40	17	10	7	59
	190040	22/12/2006	KW42	Beam trawl	33F2	7	0	147	65	45	9	49
						-----	-----	-----	-----	-----	-----	-----
						97	138	498	527	792	131	496
						-----	-----	-----	-----	-----	-----	-----
						882	469	1182	700	900	199	670
						=====	=====	=====	=====	=====	=====	=====

Table : 9a IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, 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	Sample weight (kg)	Number aged

IVB	211003	10/02/2006	TX19	Beam trawl	36F2	383						50
						383						50
IVC	211001	20/01/2006	NG7	Otter trawl	34F3	3242						50
	211002	27/01/2006	GO28	Beam trawl	33F2	715						50
	211004	10/02/2006	KW49	Beam trawl	34F3	157						50
	211005	10/03/2006	GO28	Beam trawl	33F2	360						50
	211006	17/03/2006	KW49	Beam trawl	34F3	603						50
						5077						250
						5460						300
						=====	=====	=====	=====	=====	=====	=====

Table : 9b

IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, 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	Sample weight (kg)	Number aged

IVC	211007	21/04/2006	NG7	Otter trawl	35F2	2362	9600					50
	211008	21/04/2006	GO22	Beam trawl	32F3	60						50
	211009	12/05/2006	GO5	Beam trawl	34F3	22						50
	211010	19/05/2006	GO56	Beam trawl	33F3	56						50
	211011	09/06/2006	UK145	Otter trawl	34F4	121						50
	211012	23/06/2006	UK163	Pair trawl	34F4	125						50
						-----	-----	-----	-----	-----	-----	
						2746	9600					300
						-----	-----	-----	-----	-----	-----	
						2746	9600					300
						=====	=====	=====	=====	=====	=====	

Table : 9c

IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, 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	Sample weight (kg)	Number aged
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IVB   211013  07/07/2006  NG7      Otter trawl  36F2    312   1665           50
      211014  07/07/2006  UK137    Otter trawl  36F3           1847          50
      211016  15/09/2006  WR7      Twin trawl   36F4     32           50
      211018  29/09/2006  WR7      Twin trawl   37F2     35           50
      -----
                        379   3512           200
IVC   211015  18/08/2006  YM8      Otter trawl  34F3           1322          50
      211017  22/09/2006  UK145    Otter trawl  32F3     160           50
      -----
                        160   1322           100
      -----
                        539   4834           300
      =====
  
```

Table : 9d IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, quarter : 4
 Type : Commercial , age samples
 Area type : ICES div

sample landing ices Sample weight Number

area	number	date	vessel	gear	rect	Cat 1	Cat 2	Cat 3	Cat 4	(kg)	aged
IVB	211020	20/10/2006	NG7	Otter trawl	36F2	445	1163				50
						445	1163				50
IVC	211019	13/10/2006	YM8	Otter trawl	33F3	189					50
	211021	10/11/2006	GO28	Beam trawl	34F2	40					50
	211022	17/11/2006	GO38	Beam trawl	34F3	25					50
	211023	15/12/2006	OD6	Beam trawl	32F2	26					50
	211024	21/12/2006	GO22	Beam trawl	33F2	20					50
						300					250
						745	1163				300
						=====	=====	=====	=====	=====	=====

Table : 9e IMARES, 16NOV2007 8:47:41
 Species : Whiting
 Year : 2006, quarter : 1
 Type : Commercial , length samples
 Area type : ICES div

Sample

area	sample number	landing date	vessel	gear	ices rect	Cat 1	Cat 2	Cat 3	Cat 4	weight (kg)	Number measured	
IVB	210006	06/02/2006	UK47	Beam trawl	36F4	28					39	
	210010	10/02/2006	TX19	Beam trawl	36F2	383					172	
						411					211	
IVC	210001	20/01/2006	ARM18	Beam trawl	32F2			65	117		78	
	210002	20/01/2006	VL127	Beam trawl	31F2			323	600		78	
	210003	20/01/2006	NG7	Otter trawl	34F3	3242					180	
	210004	27/01/2006	KW34	Beam trawl	35F2	36					32	
	210005	27/01/2006	GO28	Beam trawl	33F2	715					179	
	210007	10/02/2006	ARM44	Beam trawl	31F2			630	1020		86	
	210008	10/02/2006	VL125	Beam trawl	31F2			406	900		80	
	210009	10/02/2006	KW49	Beam trawl	34F3	157					157	
	210011	10/03/2006	GO28	Beam trawl	33F2	360					197	
	210012	10/03/2006	GO56	Beam trawl	33F3	15					42	
	210013	17/03/2006	KW49	Beam trawl	34F3	603					178	
							5128		1424	2637		1287
							5539		1424	2637		1498
						=====	=====	=====	=====	=====	=====	

Table : 9f

IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, 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	Sample weight (kg)	Number measured
IVB	210020	19/05/2006	WR68	Twin trawl	36F2	120					44
	210021	19/05/2006	WR18	Twin trawl	37F2	60					43
	210023	16/06/2006	WR19	Twin trawl	37F2	40					45
							220				
IVC	210014	21/04/2006	GO22	Beam trawl	32F3	60					160
	210015	21/04/2006	NG7	Otter trawl	35F2		9600				186
	210016	21/04/2006	NG7	Otter trawl	35F2	2362					51
	210017	12/05/2006	GO5	Beam trawl	34F3	22					121
	210018	12/05/2006	GO31	Beam trawl	33F3	51					66
	210019	19/05/2006	GO56	Beam trawl	33F3	56					135
	210022	09/06/2006	UK145	Otter trawl	34F4	121					213
	210024	23/06/2006	UK163/274	Pair trawl	34F4	125					205
							2797	9600			
						3017	9600				1269
						=====	=====	=====	=====	=====	=====

Table : 9g

IMARES, 16NOV2007 8:47:41

Species : Whiting
 Year : 2006, 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	Sample weight (kg)	Number measured
IVB	210025	07/07/2006	WR17	Twin trawl	36F3	50					36
	210026	07/07/2006	UK137	Otter trawl	36F3		1847				203
	210027	07/07/2006	NG7	Otter trawl	36F2		1665				215
	210028	07/07/2006	NG7	Otter trawl	36F2	312					42
	210031	15/09/2006	WR7	Twin trawl	36F4	32					161
	210033	29/09/2006	WR7	Twin trawl	37F2	35					193
							429	3512			
IVC	210029	18/08/2006	YM8	Otter trawl	34F3		1322				237
	210030	25/08/2006	GO14	Beam trawl	35F2	10					39
	210032	15/09/2006	UK145	Otter trawl	32F3	160					87
							170	1322			
						599	4834				1213
						=====	=====	=====	=====	=====	=====

Table : 9h

IMARES, 16NOV2007 8:47:41

Species : Whiting

Year : 2006, 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	210035	20/10/2006	NG7	Otter trawl	36F2	445					195
	210036	20/10/2006	NG7	Otter trawl	36F2		1163				56
						445	1163				251
IVC	210034	13/10/2006	YM8	Otter trawl	33F3	189					213
	210037	10/11/2006	GO27	Beam trawl	34F2	6					26
	210038	10/11/2006	GO28	Beam trawl	34F2	40					225
	210039	17/11/2006	GO38	Beam trawl	34F3	25					140
	210040	15/12/2006	ARM15	Beam trawl	32F2			46	270		55
	210041	15/12/2006	OD6	Beam trawl	32F2	26					161
	210042	21/12/2006	GO22	Beam trawl	33F2	20					97
						306		46	270		917
						751	1163	46	270		1168
						=====	=====	=====	=====	=====	=====

Table : 10a

IMARES, 16NOV2007 8:47:41

Species : Herring
 Year : 2006, 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		
IVAW	2	241010	02/02/2006	21/02/2006	SCH333	Pelagic trawl	47E6	24.0	184	25		
		241011	02/02/2006	21/02/2006	SCH333	Pelagic trawl	50E8	23.6	102	25		
		241012	04/02/2006	21/02/2006	SCH333	Pelagic trawl	51E8	22.9	114	25		
		241013	06/02/2006	21/02/2006	SCH333	Pelagic trawl	48E6	24.1	151	25		
								94.6	551	100		
VIID	1	241001	17/01/2006	26/01/2006	PH110/220	Pair trawl	29E9	23.4	171	25		
		241002	18/01/2006	26/01/2006	PH110/220	Pair trawl	28E9	25.7	152	25		
		241003	20/01/2006	26/01/2006	PH110/220	Pair trawl	29F1	24.6	196	25		
		241004	21/01/2006	26/01/2006	PH110/220	Pair trawl	30F0	24.6	229	25		
		241005	23/01/2006	26/01/2006	PH110/220	Pair trawl	30F1	23.5	229	25		
		241006	18/01/2006	27/01/2006	SCH22/23	Pair trawl	29F1	22.4	183	25		
	2	241007	31/01/2006	09/02/2006	SCH22/23	Pair trawl	29F1	20.5	178	25		
		241008	07/02/2006	09/02/2006	SCH22/23	Pair trawl	29F1	21.7	184	25		
		241009	07/02/2006	09/02/2006	SCH22/23	Pair trawl	29F0	22.8	191	25		
		241014	17/02/2006	22/02/2006	SCH22-23	Pair trawl	28F0	22.0	198	25		
										231.2	1911	250
										325.8	2462	350

Table : 10b

IMARES, 16NOV2007 8:47:41

Species : Herring

Year : 2006, 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		
IVAE	6	241024	02/06/2006	09/06/2006	SCH22-23	Pair trawl	44F2	23.3	178	25		
		241030	02/06/2006	09/06/2006	SCH22-23	Pair trawl	44F2	22.3	170	25		
								45.6	348	50		
IVAW	6	241019	22/05/2006	03/06/2006	SCH333	Pelagic trawl	50F1	24.7	156	25		
		241020	23/05/2006	03/06/2006	SCH333	Pelagic trawl	50F1	24.5	150	25		
		241021	26/05/2006	03/06/2006	SCH333	Pelagic trawl	49F1	23.9	138	25		
		241022	31/05/2006	03/06/2006	SCH333	Pelagic trawl	48F1	23.7	160	25		
		241034	21/06/2006	29/06/2006	PH110/220	Pair trawl	47F1	25.8	159	25		
		241035	22/06/2006	29/06/2006	PH110/220	Pair trawl	50F1	26.5	120	25		
		241036	24/06/2006	29/06/2006	PH110/220	Pair trawl	49F1	23.6	119	25		
		241037	26/06/2006	29/06/2006	PH110/220	Pair trawl	49F1	26.0	132	25		
		241038	26/06/2006	29/06/2006	PH110/220	Pair trawl	49F1	26.4	123	25		
								225.1	1257	225		
IVB	5	241015	23/05/2006	26/05/2006	SCH22-23	Pair trawl	41E9	23.2	162	25		
		241016	23/05/2006	26/05/2006	SCH22-23	Pair trawl	41E9	24.7	198	25		
		241017	24/05/2006	26/05/2006	SCH22-23	Pair trawl	41E9	25.2	231	25		
		241018	26/05/2006	26/05/2006	SCH22-23	Pair trawl	41E9	24.4	226	25		
	6	241023	02/06/2006	09/06/2006	SCH22-23	Pair trawl	41F2	21.8	164	25		
		241025	05/06/2006	09/06/2006	SCH22-23	Pair trawl	43F2	23.3	162	25		
		241026	07/06/2006	09/06/2006	SCH22-23	Pair trawl	42F2	23.2	152	25		
		241029	02/06/2006	09/06/2006	SCH22-23	Pair trawl	41F2	23.8	180	25		
		241031	05/06/2006	09/06/2006	SCH22-23	Pair trawl	43F2	24.7	172	25		
		241032	07/06/2006	09/06/2006	SCH22-23	Pair trawl	42F2	23.7	167	25		
		241033	20/06/2006	29/06/2006	PH110/220	Pair trawl	43F1	26.7	210	25		
								264.7	2024	275		
		VIAS	6	241027	30/05/2006	06/06/2006	SCH72	Pelagic trawl	40D9	19.2	140	25
				241028	31/05/2006	06/06/2006	SCH72	Pelagic trawl	40D8	16.2	127	25
							35.4	267	50			
							570.8	3896	600			

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Table : 10c IMARES, 16NOV2007 8:47:41

Species : Herring
 Year : 2006, 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
IVAW	7	241042	23/06/2006	05/07/2006	SCH333	Pelagic trawl	47F0	21.4	127	25
		241043	23/06/2006	05/07/2006	SCH333	Pelagic trawl	48F0	25.4	165	25
		241044	24/06/2006	05/07/2006	SCH333	Pelagic trawl	47F0	22.8	164	25
		241045	24/06/2006	05/07/2006	SCH333	Pelagic trawl	48E9	22.3	154	25
		241046	26/06/2006	05/07/2006	SCH333	Pelagic trawl	49F0	23.6	153	25
		241047	29/06/2006	05/07/2006	SCH333	Pelagic trawl	45E9	23.6	100	25
		241048	03/07/2006	05/07/2006	SCH333	Pelagic trawl	47F1	24.6	175	25
		241049	27/06/2006	06/07/2006	SCH22-23	Pair trawl	48F1	22.8	128	25
		241050	28/06/2006	06/07/2006	SCH22-23	Pair trawl	48F1	24.8	152	25
		241051	29/06/2006	06/07/2006	SCH22-23	Pair trawl	46F1	22.6	103	25
		241052	30/06/2006	06/07/2006	SCH22-23	Pair trawl	50F0	23.6	101	25
		241053	01/07/2006	06/07/2006	SCH22-23	Pair trawl	49F0	22.4	115	25
		241054	01/07/2006	06/07/2006	SCH22-23	Pair trawl	49F0	22.4	121	25
		241055	03/07/2006	06/07/2006	SCH22-23	Pair trawl	50F0	25.8	114	25
		241056	05/07/2006	13/07/2006	PH110/220	Pair trawl	49E9	25.8	128	25
		241057	06/07/2006	13/07/2006	PH110/220	Pair trawl	50E9	25.8	116	25
		241058	07/07/2006	13/07/2006	PH110/220	Pair trawl	49E9	25.4	120	25
		241059	08/07/2006	13/07/2006	PH110/220	Pair trawl	49E9	25.4	138	25
		241060	10/07/2006	13/07/2006	PH110/220	Pair trawl	50E9	27.0	128	25
		241061	12/07/2006	22/07/2006	SCH22-23	Pair trawl	48E9	17.6	72	25
		241062	20/07/2006	22/07/2006	SCH22-23	Pair trawl	50F0	24.6	108	25
		241063	18/07/2006	22/07/2006	SCH22-23	Pair trawl	50F0	22.0	78	25
		241064	13/07/2006	22/07/2006	SCH22-23	Pair trawl	49F0	24.0	104	25
		241085	15/07/2006	22/07/2006	SCH22-23	Pair trawl	49F0	25.4	124	25
		241086	17/07/2006	22/07/2006	SCH22-23	Pair trawl	50F0	23.2	90	25
		241087	19/07/2006	28/07/2006	PH110/220	Pair trawl	49E8	22.4	76	25
		241088	20/07/2006	28/07/2006	PH110/220	Pair trawl	49E8	25.5	94	25
		241089	21/07/2006	28/07/2006	PH110/220	Pair trawl	49E8	25.1	117	25
		241090	24/07/2006	28/07/2006	PH110/220	Pair trawl	49E7	25.5	112	25
		241091	24/07/2006	28/07/2006	PH110/220	Pair trawl	49E7	25.9	120	25
		241092	25/07/2006	28/07/2006	PH110/220	Pair trawl	49E7	23.1	80	25
		241099	12/07/2006	28/07/2006	SCH333	Pelagic trawl	50E8	23.9	73	25
		241101	24/07/2006	28/07/2006	SCH333	Pelagic trawl	44E9	23.7	118	25
		241102	27/07/2006	28/07/2006	SCH333	Pelagic trawl	47E6	25.1	112	25

8	241065	08/07/2006	04/08/2006	SCH72	Pelagic trawl	48E8	22.8	128	25
	241066	09/07/2006	04/08/2006	SCH72	Pelagic trawl	47E8	22.3	136	25
	241067	09/07/2006	04/08/2006	SCH72	Pelagic trawl	46E9	22.0	138	25
	241068	12/07/2006	04/08/2006	SCH72	Pelagic trawl	50E8	19.8	73	25
	241069	12/07/2006	04/08/2006	SCH72	Pelagic trawl	50E8	21.4	86	25
	241070	17/07/2006	04/08/2006	SCH72	Pelagic trawl	47E8	22.4	138	25
	241074	20/07/2006	04/08/2006	SCH72	Pelagic trawl	46E9	22.2	152	25
	241075	21/07/2006	04/08/2006	SCH72	Pelagic trawl	45E9	21.6	139	25
	241076	21/07/2006	04/08/2006	SCH72	Pelagic trawl	45E9	22.2	139	25
	241077	23/07/2006	04/08/2006	SCH72	Pelagic trawl	45E9	22.2	135	25
	241078	23/07/2006	04/08/2006	SCH72	Pelagic trawl	45E9	20.3	118	25
	241079	24/07/2006	04/08/2006	SCH72	Pelagic trawl	44F0	22.9	126	25
	241080	25/07/2006	04/08/2006	SCH72	Pelagic trawl	44F1	20.8	132	25
	241081	26/07/2006	04/08/2006	SCH72	Pelagic trawl	44F0	22.6	141	25
	241082	27/07/2006	04/08/2006	SCH72	Pelagic trawl	45F1	22.7	140	25
	241083	29/07/2006	04/08/2006	SCH72	Pelagic trawl	47E9	21.0	111	25
	241084	29/07/2006	04/08/2006	SCH72	Pelagic trawl	47E9	21.2	128	25
	241093	27/07/2006	03/08/2006	SCH22-23	Pair trawl	50F0	20.8	84	25
	241094	28/07/2006	03/08/2006	SCH22-23	Pair trawl	50F0	22.8	82	25
	241095	29/07/2006	03/08/2006	SCH22-23	Pair trawl	50F0	21.7	66	25
	241096	31/07/2006	03/08/2006	SCH22-23	Pair trawl	50F0	21.5	71	25
	241097	01/08/2006	03/08/2006	SCH22-23	Pair trawl	50F0	22.3	75	25
	241098	01/08/2006	03/08/2006	SCH22-23	Pair trawl	50E9	22.6	73	25
	241103	02/08/2006	10/08/2006	PH110/220	Pair trawl	49E8	25.5	97	25
	241104	08/08/2006	10/08/2006	PH110/220	Pair trawl	49E8	26.3	124	25
	241105	26/07/2006	15/08/2006	SCH6	Pelagic trawl	47E9	20.0	103	25
	241106	26/07/2006	15/08/2006	SCH6	Pelagic trawl	47E9	24.0	144	25
	241107	27/07/2006	15/08/2006	SCH6	Pelagic trawl	47E6	15.0	73	25
	241108	27/07/2006	15/08/2006	SCH6	Pelagic trawl	49E7	17.5	56	25
	241109	28/07/2006	15/08/2006	SCH6	Pelagic trawl	49E7	20.0	66	25
	241110	29/07/2006	15/08/2006	SCH6	Pelagic trawl	49E7	22.2	74	25
	241111	31/07/2006	15/08/2006	SCH6	Pelagic trawl	46E9	21.4	102	25
	241112	01/08/2006	15/08/2006	SCH6	Pelagic trawl	45E9	17.8	106	25
	241113	01/08/2006	15/08/2006	SCH6	Pelagic trawl	45E9	18.9	105	25
	241114	02/08/2006	15/08/2006	SCH6	Pelagic trawl	45F0	17.3	92	25
	241116	12/08/2006	17/08/2006	SCH22-23	Pair trawl	48E8	24.7	90	25
	241117	16/08/2006	17/08/2006	SCH22-23	Pair trawl	46E9	23.1	119	25
9	241118	23/08/2006	01/09/2006	SCH22-23	Pair trawl	47E9	25.4	126	25
	241119	24/08/2006	01/09/2006	SCH22-23	Pair trawl	48E8	24.0	100	25
	241120	25/08/2006	01/09/2006	SCH22-23	Pair trawl	48E9	22.8	101	25
	241121	28/08/2006	01/09/2006	SCH22-23	Pair trawl	47E8	23.5	106	25

Table : 10c IMARES, 16NOV2007 8:47:41

Species : Herring
 Year : 2006, 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
IVAW	9	241122	28/08/2006	01/09/2006	SCH22-23	Pair trawl	47E8	24.8	107	25
								1730.8	8482	1900
IVB	7	241039	20/06/2006	05/07/2006	SCH333	Pelagic trawl	42F2	23.4	228	25
		241040	20/06/2006	05/07/2006	SCH333	Pelagic trawl	43F1	24.9	210	25
		241041	21/06/2006	05/07/2006	SCH333	Pelagic trawl	43F1	23.4	179	25
	8	241115	08/08/2006	17/08/2006	SCH22-23	Pair trawl	43E9	24.1	201	25
	9	241123	31/08/2006	01/09/2006	SCH22-23	Pair trawl	40E9	23.5	105	25
		241124	06/09/2006	12/09/2006	SCH22-23	Pair trawl	40E9	24.8	112	25
		241125	11/09/2006	12/09/2006	SCH22-23	Pair trawl	40E9	24.0	106	25
		241127	16/09/2006	23/09/2006	SCH22-23	Pair trawl	37F0	23.0	118	25
		241128	21/09/2006	23/09/2006	SCH22-23	Pair trawl	38E9	21.7	127	25
								212.8	1386	225
VIAN	7	241100	17/07/2006	28/07/2006	SCH333	Pelagic trawl	47E5	26.5	116	25
	8	241071	18/07/2006	04/08/2006	SCH72	Pelagic trawl	47E4	22.1	87	25
		241072	18/07/2006	04/08/2006	SCH72	Pelagic trawl	47E4	19.5	98	25
		241073	19/07/2006	04/08/2006	SCH72	Pelagic trawl	47E4	20.4	103	25
								88.5	404	100
VIIE	9	241126	11/09/2006	16/09/2006	SCH333	Pelagic trawl	28E7	22.8	103	25
								22.8	103	25
								2054.9	10375	2250
								=====	=====	=====

Table : 10d IMARES, 16NOV2007 8:47:41

Species : Herring
 Year : 2006, quarter : 4
 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	10	241130	24/10/2006	26/10/2006	PH110/220	Pair trawl	31F1	27.3	180	25
		241131	31/10/2006	10/11/2006	SCH22-23	Pair trawl	32F2	24.5	189	25
								51.8	369	50
VIID	10	241129	11/10/2006	12/10/2006	SCH22-23	Pair trawl	30E9	21.6	115	25
		241132	21/11/2006	22/11/2006	SCH303	Pelagic trawl	29F0	25.3	160	25
		241133	15/11/2006	25/11/2006	SCH22-23	Pair trawl	29F1	24.7	148	25
		241134	24/11/2006	25/11/2006	SCH22-23	Pair trawl	29F1	24.6	148	25
	12	241135	19/12/2006	23/12/2006	SCH123	Pelagic trawl	29F0	26.0	195	25
							122.2	766	125	
VIIE	12	241136	19/12/2006	23/12/2006	SCH123	Pelagic trawl	29E7	30.3	175	25
								30.3	175	25
								204.3	1310	200

Table : 11a IMARES, 16NOV2007 8:47:41
 Species : Mackerel
 Year : 2006, 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
IVA	2	281010	02/02/2006	21/02/2006	SCH333	Pelagic trawl	50E8	22.9	50	25
		281011	03/02/2006	21/02/2006	SCH333	Pelagic trawl	51E8	23.2	71	25
		281012	04/02/2006	21/02/2006	SCH333	Pelagic trawl	51E8	23.0	68	25
		281013	06/02/2006	21/02/2006	SCH333	Pelagic trawl	48E6	21.2	70	25
									90.3	259
VIA	2	281014	07/02/2006	21/02/2006	SCH333	Pelagic trawl	44E0	21.5	66	25
								21.5	66	25
VIIB	2	281015	12/02/2006	21/02/2006	SCH333	Pelagic trawl	34D8	18.8	51	25
								18.8	51	25
VIID	1	281001	20/01/2006	26/01/2006	PH110/220	Pair trawl	29F1	21.2	117	25
		281002	20/01/2006	26/01/2006	PH110/220	Pair trawl	30F1	21.1	112	25
		281003	21/01/2006	26/01/2006	PH110/220	Pair trawl	30F0	22.7	148	25
		281004	23/01/2006	26/01/2006	PH110/220	Pair trawl	30F1	23.8	129	25
	2	281009	31/01/2006	09/02/2006	SCH22/23	Pair trawl	29F1	21.2	174	25
								110.0	680	125
VIIE	1	281005	04/01/2006	26/01/2006	SCH333	Pelagic trawl	29E5	22.4	105	25
		281007	19/01/2006	27/01/2006	SCH22/23	Pair trawl	29E7	22.7	126	25
		281008	23/01/2006	27/01/2006	SCH22/23	Pair trawl	29E7	21.6	292	25
							66.7	523	75	
VIIB	3	281019	27/02/2006	15/03/2006	SCH333	Pelagic trawl	24E2	23.8	80	25
								23.8	80	25

VIIJ	1	281006	06/01/2006	26/01/2006	SCH333	Pelagic trawl	29D9	21.5	68	25
	3	281016	20/02/2006	07/03/2006	KW172	Pelagic trawl	31D8	28.6	80	25
		281017	27/02/2006	07/03/2006	SCH22/23	Pair trawl	28D9	21.6	60	25
		281018	04/03/2006	07/03/2006	SCH22/23	Pair trawl	28D8	20.9	86	25
		281020	01/03/2006	15/03/2006	SCH333	Pelagic trawl	27D8	22.1	82	25
		281021	03/03/2006	15/03/2006	SCH333	Pelagic trawl	28D8	22.2	62	25
		281022	04/03/2006	15/03/2006	SCH333	Pelagic trawl	27D8	21.7	58	25
		281023	13/03/2006	23/03/2006	SCH22/23	Pair trawl	28D8	22.3	56	25
		281024	20/03/2006	23/03/2006	SCH22/23	Pair trawl	30D8	21.8	60	25
								-----	-----	-----
								202.7	612	225
								-----	-----	-----
								533.8	2271	600
								=====	=====	=====

Table : 11b IMARES, 16NOV2007 8:47:41

Species : Mackerel
 Year : 2006, 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	
IVA	6	281033	22/05/2006	03/06/2006	SCH333	Pelagic trawl	50F1	24.2	56	25	
		281034	23/05/2006	03/06/2006	SCH333	Pelagic trawl	50F1	22.9	100	25	
		281035	26/05/2006	03/06/2006	SCH333	Pelagic trawl	49F1	23.8	126	25	
		281036	31/05/2006	03/06/2006	SCH333	Pelagic trawl	48F1	23.6	83	25	
								94.5	365	100	
VIA	4	281027	21/03/2006	08/04/2006	SCH333	Pelagic trawl	42D9	21.4	38	25	
		5	281030	18/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	21.5	43	25
		281031	27/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	19.4	44	25	
								62.3	125	75	
VIIIB	4	281025	31/03/2006	08/04/2006	SCH22/23	Pair trawl	22E5	22.7	53	25	
		281026	05/04/2006	08/04/2006	SCH22/23	Pair trawl	22E5	21.9	55	25	
		281028	13/04/2006	21/04/2006	SCH22/23	Pair trawl	23E4	21.3	58	25	
	5	281029	17/04/2006	21/04/2006	SCH22/23	Pair trawl	22E5	23.0	65	25	
		281037	18/05/2006	26/05/2006	PH110/220	Pair trawl	20E6	22.8	118	25	
		281038	03/06/2006	16/06/2006	PH110/220	Pair trawl	19E7	15.1	42	25	
								126.8	391	150	
VIIJ	5	281032	27/04/2006	07/05/2006	SCH22/23	Pair trawl	27D8	22.7	58	25	
								22.7	58	25	
								306.3	939	350	
								=====	=====	=====	

Table : 11c IMARES, 16NOV2007 8:47:41
 Species : Mackerel
 Year : 2006, quarter : 3
 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	7	281041	23/06/2006	05/07/2006	SCH333	Pelagic trawl	47F0	22.2	110	25		
		281042	24/06/2006	05/07/2006	SCH333	Pelagic trawl	48E9	21.5	88	25		
		281043	26/06/2006	05/07/2006	SCH333	Pelagic trawl	49F0	23.2	100	25		
		281044	03/07/2006	05/07/2006	SCH333	Pelagic trawl	47F1	24.2	114	25		
		281045	03/07/2006	05/07/2006	SCH333	Pelagic trawl	50F0	22.1	92	25		
		281046	24/07/2006	28/07/2006	PH110/220	Pair trawl	49E7	22.4	78	25		
		281047	15/07/2006	28/07/2006	SCH333	Pelagic trawl	50F0	20.5	74	25		
		281049	24/07/2006	28/07/2006	SCH333	Pelagic trawl	44E9	20.7	70	25		
		281050	27/07/2006	28/07/2006	SCH333	Pelagic trawl	47E6	19.2	77	25		
		8	281051	04/08/2006	10/08/2006	PH110/220	Pair trawl	48E8	26.2	106	25	
			281052	07/08/2006	10/08/2006	PH110/220	Pair trawl	49E9	23.6	91	25	
			281053	02/08/2006	15/08/2006	SCH6	Pelagic trawl	45F0	13.0	62	25	
		9	281057	24/08/2006	01/09/2006	SCH22-23	Pair trawl	48E8	22.1	72	25	
										280.9	1134	325
		IVB	7	281039	20/06/2006	05/07/2006	SCH333	Pelagic trawl	43F1	23.0	106	25
281040	21/06/2006			05/07/2006	SCH333	Pelagic trawl	43F1	20.4	105	25		
								43.4	211	50		
IVC	9	281059	26/08/2006	16/09/2006	SCH333	Pelagic trawl	35F4	23.1	129	25		
								23.1	129	25		
VIA	7	281048	20/07/2006	28/07/2006	SCH333	Pelagic trawl	48E4	22.3	81	25		
								22.3	81	25		
VIIE	8	281054	04/08/2006	22/08/2006	SCH333	Pelagic trawl	29E7	21.3	128	25		
		281055	11/08/2006	22/08/2006	SCH333	Pelagic trawl	29E7	22.0	120	25		
		281056	17/08/2006	22/08/2006	SCH333	Pelagic trawl	29E6	21.3	91	25		
		9	281058	11/09/2006	14/09/2006	PH110/220	Pair trawl	27E6	24.1	144	25	
									24.1	144	25	

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88.7	483	100
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458.4	2038	525
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Table : 11d IMARES, 16NOV2007 8:47:41

Species : Mackerel
 Year : 2006, 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
IVC	10	281063	05/10/2006	18/10/2006	SCH333	Pelagic trawl	32F2	21.2	100	25
								21.2	100	25
VIID	10	281060	05/10/2006	18/10/2006	SCH333	Pelagic trawl	29F0	21.2	93	25
		281064	05/10/2006	18/10/2006	SCH333	Pelagic trawl	29F0	21.3	68	25
		281065	05/10/2006	18/10/2006	SCH333	Pelagic trawl	29F0	20.7	51	25
	11	281061	02/11/2006	10/11/2006	SCH22-23	Pair trawl	29F0	21.9	56	25
		281062	21/11/2006	22/11/2006	SCH303	Pelagic trawl	29F0	28.0	110	25
								113.1	378	125
								134.3	478	150
								=====	=====	=====

Table : 12a IMARES, 16NOV2007 8:47:41

Species : Horse mackerel
 Year : 2006, 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	2	291030	14/02/2006	22/02/2006	SCH22-23	Pair trawl	32F2	21.2	165	25
								-----	-----	-----
								21.2	165	25
VIA	2	291027	07/02/2006	21/02/2006	SCH333	Pelagic trawl	44E0	21.6	96	25
								-----	-----	-----
								21.6	96	25
VIIB	1	291014	08/01/2006	23/01/2006	SCH171	Pelagic trawl	34D8	12.0	81	25
		291015	08/01/2006	23/01/2006	SCH171	Pelagic trawl	34D8	15.0	112	25
		291023	17/01/2006	23/01/2006	SCH171	Pelagic trawl	36D8	6.0	37	25
		291024	18/01/2006	23/01/2006	SCH171	Pelagic trawl	36D8	7.0	61	25
		291025	18/01/2006	23/01/2006	SCH171	Pelagic trawl	36D8	11.0	97	25
								51.0	388	125
								-----	-----	-----
VIID	1	291001	05/01/2006	13/01/2006	SCH22-23	Pair trawl	30E9	22.0	106	25
		291002	09/01/2006	13/01/2006	SCH22-23	Pair trawl	29E9	19.5	114	25
		291003	09/01/2006	13/01/2006	SCH22-23	Pair trawl	29E9	22.7	120	25
		291004	04/01/2006	12/01/2006	PH110-220	Pair trawl	30E9	22.1	150	25
		291005	06/01/2006	12/01/2006	PH110-220	Pair trawl	30E9	23.7	160	25
		291006	07/01/2006	12/01/2006	PH110-220	Pair trawl	30E9	22.3	102	25
		291007	09/01/2006	12/01/2006	PH110-220	Pair trawl	29E9	21.5	123	25
		291008	10/01/2006	12/01/2006	PH110-220	Pair trawl	29E9	23.6	135	25
		291009	10/01/2006	12/01/2006	PH110-220	Pair trawl	29E9	20.8	58	25
	2	291026	06/02/2006	09/02/2006	SCH22-23	Pair trawl	29E8	20.2	114	25
								218.4	1182	250
								-----	-----	-----
VIIH	1	291010	04/01/2006	23/01/2006	SCH171	Pelagic trawl	25E1	13.0	92	25
		291011	04/01/2006	23/01/2006	SCH171	Pelagic trawl	25E1	23.0	123	25
		291012	05/01/2006	23/01/2006	SCH171	Pelagic trawl	25E1	24.0	126	25
		291019	12/01/2006	23/01/2006	SCH171	Pelagic trawl	25E1	11.0	82	25

								-----	-----	-----
								71.0	423	100
								-----	-----	-----
VIIIB	1	291020	13/01/2006	23/01/2006	SCH171	Pelagic trawl	24E2	20.0	111	25
		291021	13/01/2006	23/01/2006	SCH171	Pelagic trawl	24E2	23.0	153	25
		291022	14/01/2006	23/01/2006	SCH171	Pelagic trawl	24E2	6.0	62	25
								-----	-----	-----
								49.0	326	75
								-----	-----	-----
VIIJ	1	291013	07/01/2006	23/01/2006	SCH171	Pelagic trawl	29D9	17.0	110	25
		291016	09/01/2006	23/01/2006	SCH171	Pelagic trawl	33D8	22.0	125	25
		291017	09/01/2006	23/01/2006	SCH171	Pelagic trawl	33D8	22.5	118	25
		291018	11/01/2006	23/01/2006	SCH171	Pelagic trawl	32D8	15.0	93	25
	2	291028	13/02/2006	21/02/2006	SCH333	Pelagic trawl	31D8	23.0	192	25
		291029	17/02/2006	21/02/2006	SCH333	Pelagic trawl	29D9	21.9	192	25
	3	291031	20/02/2006	07/03/2006	KW172	Pelagic trawl	31D8	5.8	36	25
		291032	27/02/2006	07/03/2006	SCH22/23	Pair trawl	28D9	22.9	192	25
		291033	01/03/2006	07/03/2006	SCH22/23	Pair trawl	28D9	21.9	174	25
		291034	04/03/2006	07/03/2006	SCH22/23	Pair trawl	27D8	19.9	135	25
		291035	14/03/2006	23/03/2006	SCH22/23	Pair trawl	27D8	19.8	192	25
		291036	20/03/2006	23/03/2006	SCH22/23	Pair trawl	30D8	21.0	101	25
								-----	-----	-----
								232.7	1660	300
								-----	-----	-----
								664.9	4240	900
								=====	=====	=====

Table : 12b IMARES, 16NOV2007 8:47:41

Species : Horse mackerel
 Year : 2006, 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	
VIII B	4	291037	31/03/2006	08/04/2006	SCH22/23	Pair trawl	22E5	21.9	231	25	
		291038	13/04/2006	21/04/2006	SCH22/23	Pair trawl	23E4	20.7	221	25	
		291039	17/04/2006	21/04/2006	SCH22/23	Pair trawl	22E5	22.4	219	25	
	5	291041	17/05/2006	26/05/2006	PH110/220	Pair trawl	21E5	21.4	66	25	
		291042	19/05/2006	26/05/2006	PH110/220	Pair trawl	19E6	23.5	189	25	
		291043	20/05/2006	26/05/2006	PH110/220	Pair trawl	19E7	21.7	120	25	
	6	291044	02/06/2006	16/06/2006	PH110/220	Pair trawl	22E5	23.4	134	25	
		291045	03/06/2006	16/06/2006	PH110/220	Pair trawl	19E6	19.6	164	25	
		291046	05/06/2006	16/06/2006	PH110/220	Pair trawl	20E6	22.4	128	25	
		291047	05/06/2006	16/06/2006	PH110/220	Pair trawl	19E6	23.9	142	25	
		291048	06/06/2006	16/06/2006	PH110/220	Pair trawl	21E5	23.3	140	25	
		291049	06/06/2006	16/06/2006	PH110/220	Pair trawl	21E5	23.0	120	25	
									-----	-----	-----
									267.2	1874	300
VII J	5	291040	27/04/2006	07/05/2006	SCH22/23	Pair trawl	28D8	23.7	99	25	
								-----	-----	-----	
								23.7	99	25	
								-----	-----	-----	
								290.9	1973	325	
								=====	=====	=====	

		291075	05/09/2006	16/09/2006	SCH333	Pelagic trawl	29E6	23.0	191	25
		291076	11/09/2006	16/09/2006	SCH333	Pelagic trawl	28E7	19.8	163	25
		291077	12/09/2006	16/09/2006	SCH333	Pelagic trawl	28E7	21.2	174	25
								-----	-----	-----
								391.8	3452	475
								-----	-----	-----
VIIJ	8	291057	12/08/2006	15/08/2006	SCH6	Pelagic trawl	32D9	18.5	98	25
								-----	-----	-----
								18.5	98	25
								-----	-----	-----
								546.4	4419	700
								=====	=====	=====

Table : 12d IMARES, 16NOV2007 8:47:41

Species : Horse mackerel
 Year : 2006, 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		
VIID	10	291078	11/10/2006	12/10/2006	SCH22-23	Pair trawl	29E9	20.8	162	25		
		291079	23/01/1904	18/10/2006	SCH333	Pelagic trawl	29F0	19.9	168	25		
		291080	05/10/2006	18/10/2006	SCH333	Pelagic trawl	29F0	20.1	156	25		
	11	291083	02/11/2006	10/11/2006	SCH22-23	Pair trawl	29F0	21.1	161	25		
		291084	02/11/2006	22/11/2006	SCH303	Pelagic trawl	29E9	19.2	159	25		
		291085	04/11/2006	22/11/2006	SCH303	Pelagic trawl	30F0	14.5	124	25		
		291086	06/11/2006	22/11/2006	SCH303	Pelagic trawl	30F0	17.3	142	25		
										132.9	1072	175
										-----	-----	-----
VIIE	10	291081	17/10/2006	26/10/2006	PH110/220	Pair trawl	28E5	20.7	165	25		
		291082	24/10/2006	27/10/2006	SCH22-23	Pair trawl	28E6	22.6	195	25		
	11	291087	09/01/1904	22/11/2006	SCH303	Pelagic trawl	28E7	16.3	139	25		
									59.6	499	75	
								-----	-----	-----		
VIIH	11	291088	10/11/2006	22/11/2006	SCH303	Pelagic trawl	25E2	13.0	97	25		
		291091	18/11/2006	22/11/2006	SCH303	Pelagic trawl	26E3	16.3	131	25		
										29.3	228	50
								-----	-----	-----		
VIIIB	11	291089	14/11/2006	22/11/2006	SCH303	Pelagic trawl	24E3	18.3	142	25		
		291090	16/11/2006	22/11/2006	SCH303	Pelagic trawl	24E3	17.3	132	25		
										35.6	274	50
								-----	-----	-----		
								257.4	2073	350		
								=====	=====	=====		

Table : 13a IMARES, 16NOV2007 8:47:41

Species : Blue whiting
 Year : 2006, 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	
VIA	3	301066	14/03/2006	29/03/2006	SCH72	Pelagic trawl	38D9	25.4	195	25	
		301067	16/03/2006	29/03/2006	SCH72	Pelagic trawl	38D8	25.5	180	25	
		301068	18/03/2006	29/03/2006	SCH72	Pelagic trawl	39D9	24.8	282	25	
		301069	19/03/2006	29/03/2006	SCH72	Pelagic trawl	39D9	25.0	207	25	
		301070	20/03/2006	29/03/2006	SCH72	Pelagic trawl	39D9	25.5	243	25	
		301071	21/03/2006	29/03/2006	SCH72	Pelagic trawl	39D9	25.1	291	25	
		301072	22/03/2006	29/03/2006	SCH72	Pelagic trawl	39D9	23.7	270	25	
		301073	23/03/2006	29/03/2006	SCH72	Pelagic trawl	40D9	25.4	265	25	
		301074	25/03/2006	29/03/2006	SCH72	Pelagic trawl	40D8	24.9	276	25	
									225.3	2209	225
		VIB	3	301024	08/03/2006	15/03/2006	SCH333	Pelagic trawl	38D6	21.3	183
301056	01/03/2006			07/03/2006	KW172	Pelagic trawl	38D6	14.5	135	25	
301057	01/03/2006			07/03/2006	KW172	Pelagic trawl	38D6	12.9	118	25	
							48.7	436	75		
VIIC	2	301001		20/02/2006	SCH118	Pelagic trawl	36D5	31.8	273	25	
		301002		20/02/2006	SCH118	Pelagic trawl	36D4	31.3	246	25	
		301003		20/02/2006	SCH118	Pelagic trawl	36D5	25.3	195	25	
		301004		20/02/2006	SCH118	Pelagic trawl	36D5	28.4	216	25	
		301005		20/02/2006	SCH118	Pelagic trawl	36D5	25.9	189	25	
		301006		20/02/2006	SCH118	Pelagic trawl	36D5	30.0	198	25	
		301007		20/02/2006	SCH118	Pelagic trawl	36D5	31.7	193	25	
		301008		20/02/2006	SCH118	Pelagic trawl	36D5	29.1	208	25	
		301009		20/02/2006	SCH118	Pelagic trawl	36D5	25.8	198	25	
		301010		20/02/2006	SCH118	Pelagic trawl	36D5	27.6	236	25	
		301011		20/02/2006	SCH118	Pelagic trawl	36D4	30.5	245	25	
		301012		20/02/2006	SCH118	Pelagic trawl	37D4	30.6	291	25	
		301013		20/02/2006	SCH118	Pelagic trawl	36D4	23.5	218	25	
		301014		20/02/2006	SCH118	Pelagic trawl	37D4	31.2	278	25	
		301015		20/02/2006	SCH118	Pelagic trawl	36D4	29.6	234	25	

	301016		20/02/2006	SCH118	Pelagic trawl	36D4	30.4	236	25
	301017		20/02/2006	SCH118	Pelagic trawl	36D4	24.7	190	25
	301018		20/02/2006	SCH118	Pelagic trawl	36D4	31.8	277	25
	301019		20/02/2006	SCH118	Pelagic trawl	36D4	26.0	215	25
	301020		20/02/2006	SCH118	Pelagic trawl	36D4	28.2	212	25
	301021		20/02/2006	SCH118	Pelagic trawl	37D5	29.9	261	25
	301022		20/02/2006	SCH118	Pelagic trawl	37D6	28.9	243	25
3	301023	07/03/2006	15/03/2006	SCH333	Pelagic trawl	37D6	20.8	186	25
	301025	09/03/2006	15/03/2006	SCH333	Pelagic trawl	37D6	21.7	178	25
	301026	10/03/2006	15/03/2006	SCH333	Pelagic trawl	37D6	21.7	228	25
	301027	13/02/2006	01/03/2006	SCH72	Pelagic trawl	37D5	26.4	270	25
	301028	14/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	27.4	269	25
	301029	16/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.8	265	25
	301030	17/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.3	279	25
	301031	18/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	27.2	311	25
	301032	19/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.3	259	25
	301033	20/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.4	279	25
	301034	21/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.0	256	25
	301035	22/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.3	270	25
	301036	23/02/2006	01/03/2006	SCH72	Pelagic trawl	36D5	26.4	265	25
	301037	24/02/2006	01/03/2006	SCH72	Pelagic trawl	37D5	27.2	265	25
	301038	25/02/2006	01/03/2006	SCH72	Pelagic trawl	37D5	26.9	279	25
	301039	26/02/2006	01/03/2006	SCH72	Pelagic trawl	37D5	26.0	246	25
	301040	26/02/2006	01/03/2006	SCH72	Pelagic trawl	37D5	26.2	270	25
	301041	22/02/2006	07/03/2006	KW172	Pelagic trawl	36D5	14.5	127	25
	301042	23/02/2006	07/03/2006	KW172	Pelagic trawl	36D5	13.5	114	25
	301043	23/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	16.0	137	25
	301044	24/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	13.5	136	25
	301045	24/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	12.5	93	25
	301046	25/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	16.3	128	25
	301047	25/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	16.8	146	25
	301048	25/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	18.6	136	25
	301049	26/02/2006	07/03/2006	KW172	Pelagic trawl	37D6	15.5	137	25
	301050	26/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	16.4	170	25
	301051	27/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	19.2	179	25
	301052	27/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	13.9	132	25
	301053	27/02/2006	07/03/2006	KW172	Pelagic trawl	37D6	18.4	179	25
	301054	28/02/2006	07/03/2006	KW172	Pelagic trawl	37D5	16.6	157	25
	301055	01/03/2006	07/03/2006	KW172	Pelagic trawl	37D6	15.8	167	25
	301058	02/03/2006	07/03/2006	KW172	Pelagic trawl	37D6	14.4	131	25
	301059	02/03/2006	07/03/2006	KW172	Pelagic trawl	37D6	13.6	122	25
	301060	03/03/2006	07/03/2006	KW172	Pelagic trawl	37D5	14.9	137	25

Table : 13a IMARES, 16NOV2007 8:47:41

Species : Blue whiting
 Year : 2006, 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
VIIC	3	301061	03/03/2006	07/03/2006	KW172	Pelagic trawl	37D6	12.7	101	25
		301062	03/03/2006	07/03/2006	KW172	Pelagic trawl	36D6	14.4	151	25
		301063	04/03/2006	07/03/2006	KW172	Pelagic trawl	37D6	13.7	139	25
		301064	10/03/2006	29/03/2006	SCH72	Pelagic trawl	37D6	26.0	276	25
		301065	13/03/2006	29/03/2006	SCH72	Pelagic trawl	37D6	26.2	205	25
								-----	-----	-----
								1441.6	12827	1550
								-----	-----	-----
								1715.6	15472	1850
								=====	=====	=====

Table : 13b IMARES, 16NOV2007 8:47:41
 Species : Blue whiting
 Year : 2006, 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
IVA	6	301075	10/05/2006	03/06/2006	SCH333	Pelagic trawl	50E6	23.5	240	25
								-----	-----	-----
								23.5	240	25
VIA	6	301076	14/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	24.4	200	25
		301077	17/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	23.1	210	25
								-----	-----	-----
								47.5	410	50
								-----	-----	-----
								71.0	650	75
								=====	=====	=====

Table : 14b

IMARES, 16NOV2007 8:47:41

Species : Greater argentine
 Year : 2006, 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
IIA	271016		06/06/2006	SCH72	Pelagic trawl	55E1	23.8	85	25
							23.8	85	25
VB	271013	16/05/2006	03/06/2006	SCH333	Pelagic trawl	49E2	22.7	56	25
	271014	16/05/2006	03/06/2006	SCH333	Pelagic trawl	49E2	22.0	68	25
	271017		06/06/2006	SCH72	Pelagic trawl	52E1	20.2	73	25
	271018		06/06/2006	SCH72	Pelagic trawl	53E1	32.7	137	25
	271019		06/06/2006	SCH72	Pelagic trawl	52E1	31.3	111	25
	271020		06/06/2006	SCH72	Pelagic trawl	49E2	26.8	73	25
	271022		06/06/2006	SCH72	Pelagic trawl	52E1	17.1	52	25
	271023		06/06/2006	SCH72	Pelagic trawl	52E1	22.3	99	25
	271024		06/06/2006	SCH72	Pelagic trawl	53E0	16.5	98	25
							211.6	767	225
VIA	271001	14/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	24.0	62	25
	271002	15/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	23.8	70	25
	271003	18/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	22.1	69	25
	271004	20/04/2006	03/05/2006	SCH333	Pelagic trawl	47E2	24.3	69	25
	271005	22/04/2006	03/05/2006	SCH333	Pelagic trawl	47E3	21.6	69	25
	271006	23/04/2006	03/05/2006	SCH333	Pelagic trawl	47E3	23.4	66	25
	271007	27/04/2006	03/05/2006	SCH333	Pelagic trawl	48E2	21.3	49	25
	271008	29/04/2006	03/05/2006	SCH333	Pelagic trawl	48E3	21.4	61	25
	271009	11/05/2006	03/06/2006	SCH333	Pelagic trawl	49E5	21.9	49	25
	271010	14/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	21.6	54	25
	271011	14/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	21.9	54	25
	271012	15/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	23.0	52	25
	271015	17/05/2006	03/06/2006	SCH333	Pelagic trawl	48E3	24.7	66	25
	271021		06/06/2006	SCH72	Pelagic trawl	48E4	72.8	167	25
							367.8	957	350

Table : 17d IMARES, 16NOV2007 8:47:41
 Species : Ray spotted
 Year : 2006, 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	331027	06/10/2006	GO38	Beam trawl	33F3	0	0	0	2		3	
	331028	13/10/2006	GO22	Beam trawl	35F3	0	0	117	85		22	
	331029	20/10/2006	SH12	Gill net	32F2	0	0	3	0		2	
	331030	20/10/2006	GO22	Beam trawl	34F2	0	0	6	3		2	
	331031	27/10/2006	GO56	Beam trawl	35F3	0	0	0	2		2	
	331032	06/11/2006	KW49	Beam trawl	34F2	0	0	4	19		12	
	331033	10/11/2006	GO27	Beam trawl	34F2	0	0	28	98		19	
	331034	10/11/2006	GO9	Beam trawl	35F2	0	0	32	40		12	
	331035	10/11/2006	SL3	Beam trawl	35F2	0	0	31	74		9	
	331036	17/11/2006	GO5	Beam trawl	35F3	0	0	0	38		8	
	331037	24/11/2006	KW49	Beam trawl	34F2	0	0	26	25		9	
	331038	08/12/2006	GO38	Beam trawl	34F2	0	0	62	49		12	
	331039	15/12/2006	ARM15	Beam trawl	32F2	0	0	31	27		9	
	331040	15/12/2006	ARM44	Beam trawl	31F2	0	0	17	33		8	
	331041	15/12/2006	ARM7	Beam trawl	31F2	0	0	0	53		7	
	331042	15/12/2006	ARM18	Beam trawl	32F2	0	0	24	35		11	
	331043	18/12/2006	KW145	Beam trawl	35F2	0	0	96	51		9	
	331044	22/12/2006	KW42	Beam trawl	33F2	0	0	103	7		17	
						0	0	580	641			

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      0      0    580    641
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Table : 19a IMARES, 16NOV2007 8:47:41

Species : Ray thornback
 Year : 2006, 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	321001	06/01/2006	KW42	Beam trawl	34F2	0	27	47	8		33	
	321002	20/01/2006	ARM18	Beam trawl	32F2	0	0	66	76		9	
	321003	20/01/2006	ARM15	Beam trawl	32F2	6	15	67	54		16	
	321004	20/01/2006	VLi27	Beam trawl	31F2	0	7	7	67		11	
	321005	20/01/2006	ARM17	Beam trawl	32F2	5	3	41	106		16	
	321006	27/01/2006	KW34	Beam trawl	35F2	22	32	48	16		21	
	321007	10/02/2006	ARM44	Beam trawl	31F2	6	0	13	16		18	
	321008	10/02/2006	VLi25	Beam trawl	31F2	0	4	9	11		13	
	321009	10/02/2006	ARM17	Beam trawl	31F2	0	0	12	27		17	
	321010	24/02/2006	GO38	Beam trawl	33F3	0	0	2	3		6	
	321011	24/02/2006	GO28	Beam trawl	33F2	11	36	178	238		15	
	321012	10/03/2006	SL3	Beam trawl	35F2	0	0	14	57		7	
	321013	10/03/2006	GO23	Beam trawl	35F1	0	0	23	11		4	
						50	124	527	690		186	
						50	124	527	690		186	

Table : 19c IMARES, 16NOV2007 8:47:41
 Species : Ray thornback
 Year : 2006, 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	321022	18/08/2006	KW34	Beam trawl	35F2	0	0	13	7		17	
	321023	25/08/2006	GO14	Beam trawl	35F2	0	97	164	200		11	
	321024	25/08/2006	GO23	Beam trawl	34F2	0	77	573	33		17	
	321025	01/09/2006	GO22	Beam trawl	34F3	11	38	51	37		26	
						11	212	801	277		71	
						11	212	801	277		71	
						====	====	====	====	=====	=====	=====

Table : 19d IMARES, 16NOV2007 8:47:41
 Species : Ray thornback
 Year : 2006, 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	321026	06/10/2006	GO38	Beam trawl	33F3	6	27	13	10		28	
	321027	13/10/2006	GO22	Beam trawl	35F3	0	29	88	12		16	
	321028	20/10/2006	SH12	Gill net	32F2	9	0	19	8		19	
	321029	20/10/2006	GO22	Beam trawl	34F2	0	21	85	60		33	
	321030	27/10/2006	GO56	Beam trawl	35F3	0	5	13	7		18	
	321031	06/11/2006	KW49	Beam trawl	34F2	0	5	32	5		17	
	321032	10/11/2006	GO27	Beam trawl	34F2	5	119	24	8		11	
	321033	10/11/2006	GO9	Beam trawl	35F2	0	31	66	25		20	
	321034	10/11/2006	SL3	Beam trawl	35F2	0	108	279	40		24	
	321035	17/11/2006	GO5	Beam trawl	35F3	0	23	28	18		22	
	321036	24/11/2006	KW49	Beam trawl	34F2	0	21	98	17		20	
	321037	08/12/2006	GO38	Beam trawl	34F2	17	8	66	83		18	
	321038	15/12/2006	ARM15	Beam trawl	32F2	0	0	67	19		9	
	321039	15/12/2006	ARM44	Beam trawl	31F2	0	0	24	52		11	
	321040	15/12/2006	ARM7	Beam trawl	31F2	0	3	86	36		15	
	321041	15/12/2006	ARM18	Beam trawl	32F2	0	0	6	44		9	

Table : 21c IMARES, 16NOV2007 8:47:41
 Species : Red mullet
 Year : 2006, 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	Sample weight (kg)	Number measured
IVC	380005	07/07/2006	WR68	Twin trawl	35F4	7	93	37			63
	380006	18/08/2006	UK137	Otter trawl	33F4	0	32	45			50
						7	125	82			113
						7	125	82			113
						====	====	====	====	=====	=====

Netherlands Institute for Fisheries Research (RIVO)
 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	3	2	57	57	
					-----	-----	-----	
						2	57	57
					=====	=====	=====	
		Blue whiting	age/length	IVA	2	1	240	25
					1	9	2209	225
					2	2	410	50
					1	3	436	75
					1	62	12827	1550
					-----	-----	-----	
						77	16122	1925
					=====	=====	=====	
		Brill	age/length	IVB	1	2	69	69
					2	6	180	180
					3	1	29	29
					4	3	86	86
				IVC	1	3	98	98
					2	4	129	129
					3	3	78	78
					4	2	62	62
					-----	-----	-----	
						24	731	731
			=====	=====	=====			
	Cod	age	IVB	1	2	114	114	
				2	4	220	220	
				3	2	113	113	
				4	3	174	174	
			IVC	1	10	569	569	
				2	5	230	230	
				3	3	131	131	
				4	10	496	496	
			-----	-----	-----			
				39	2047	2047		
			=====	=====	=====			

	length	IVB	1	2	104	
			2	4	221	
			3	2	113	
			4	3	174	
		IVC	1	11	605	
			2	5	230	
			3	3	131	
			4	10	496	
				-----	-----	-----
				40	2074	
				=====	=====	=====
Dab	age	IVB	1	1	25	25
			2	1	25	25
			3	2	50	50
			4	1	25	25
		IVC	1	2	50	50
			2	2	50	50
			3	1	25	25
			4	2	50	50
				-----	-----	-----
				12	300	300
				=====	=====	=====
	length	IVB	1	2	174	
			2	4	347	
			3	3	399	
			4	1	158	
		IVC	1	4	365	
			2	4	469	
			3	1	242	
			4	6	567	
				-----	-----	-----
				25	2721	
				=====	=====	=====
Greater argentine	age/length	IIA	2	1	85	25
		VB	2	9	767	225
		VIA	2	14	957	350

Netherlands Institute for Fisheries Research (RIVO)
 Overview of sampling information
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Type	species	sample type	area	Q	number of samples	Number measured	Number aged			
					-----	-----	-----			
					24	1809	600			
					=====	=====	=====			
Commercial	Herring	age/length	IVA	1	4	551	100			
				2	11	1605	275			
			IVB	3	76	8482	1900			
				2	11	2024	275			
			IVC	3	9	1386	225			
				4	2	369	50			
			VIA	2	2	267	50			
				3	4	404	100			
			VIID	1	10	1911	250			
				4	5	766	125			
			VIIE	3	1	103	25			
				4	1	175	25			
								-----	-----	-----
								136	18043	3400
					=====	=====	=====			
	Horse mackerel	age/length	IVA	3	2	209	50			
				1	1	165	25			
			IVC	3	1	188	25			
				1	1	96	25			
			VIIB	1	5	388	125			
				3	5	472	125			
			VIID	1	10	1182	250			
				4	7	1072	175			
			VIIE	3	19	3452	475			
				4	3	499	75			
			VIIH	1	4	423	100			
				4	2	228	50			
			VIII B	1	3	326	75			
				2	12	1874	300			
			VIIJ	4	2	274	50			
				1	12	1660	300			
			2	1	99	25				

			3	1	98	25
				-----	-----	-----
				91	12705	2275
				=====	=====	=====
Lemon sole	age/length	IVB	2	1	56	56
			3	1	75	75
			4	1	50	50
		VIID	1	1	30	30
				-----	-----	-----
				4	211	211
				=====	=====	=====
Mackerel	age/length	IVA	1	4	259	100
			2	4	365	100
			3	13	1134	325
		IVB	3	2	211	50
		IVC	3	1	129	25
			4	1	100	25
		VIA	1	1	66	25
			2	3	125	75
			3	1	81	25
		VIIB	1	1	51	25
		VIID	1	5	680	125
			4	5	378	125
		VIIIE	1	3	523	50
			3	4	483	100
		VIIIB	1	1	80	25
			2	6	391	150
		VIIJ	1	9	612	225
			2	1	58	25
				-----	-----	-----
				65	5726	1625
				=====	=====	=====
Nephrops	age/length	IVB	1	4	1974	
			2	9	5044	
			3	5	2185	
			4	6	2532	

Netherlands Institute for Fisheries Research (RIVO)
 Overview of sampling information
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Type	species	sample type	area	Q	number of samples	Number measured	Number aged
					24	11735	
Commercial	Plaice	age/length	IIIA IVB	3 1 2 3 4	2 12 8 8 13	120 720 479 480 780	120 720 479 480 780
			IVC	1 2 3 4	14 5 4 5	835 300 225 300	835 300 225 300
					71	4239	4239
	Ray blond	age/length	IVC	1 2 3 4	12 5 4 11	98 11 59 134	
					32	302	
	Ray spotted	age/length	IVC	1 2 3 4	13 8 5 18	183 95 54 173	
					44	505	
	Ray thornback	age/length	IVC	1 2 3 4	13 8 4 18	186 132 71 326	

				-----	-----	-----
				43	715	
				=====	=====	=====
Red mullet	length	IVB	2	2	116	
		IVC	2	2	115	
			3	2	113	
				-----	-----	-----
				6	344	
				=====	=====	=====
Sole	age/length	IVB	1	3	150	150
			2	7	350	350
			3	3	150	150
			4	7	350	350
		IVC	1	10	499	499
			2	23	1150	1150
			3	9	450	450
			4	9	450	450
				-----	-----	-----
				71	3549	3549
				=====	=====	=====
Turbot	age/length	IVB	1	2	96	96
			2	7	399	399
			3	1	58	58
			4	3	164	164
		IVC	1	3	115	115
			2	3	110	110
			3	3	143	143
			4	2	93	93
				-----	-----	-----
				24	1178	1178
				=====	=====	=====
Whiting	age	IVB	1	1		50
			3	4		200
			4	1		50
		IVC	1	5		250
			2	6		300
			3	2		100

Netherlands Institute for Fisheries Research (RIVO)
 Overview of sampling information
 Generated: 16NOV2007 8:47:41

Type	species	sample type	area	Q	number of samples	Number measured	Number aged
Commercial	Whiting	age	IVC	4	5		250
					24		1200
		length	IVB	1	2	211	
				2	3	132	
				3	6	850	
				4	2	251	
			IVC	1	11	1287	
				2	8	1137	
				3	3	363	
				4	7	917	
					42	5148	

Figures

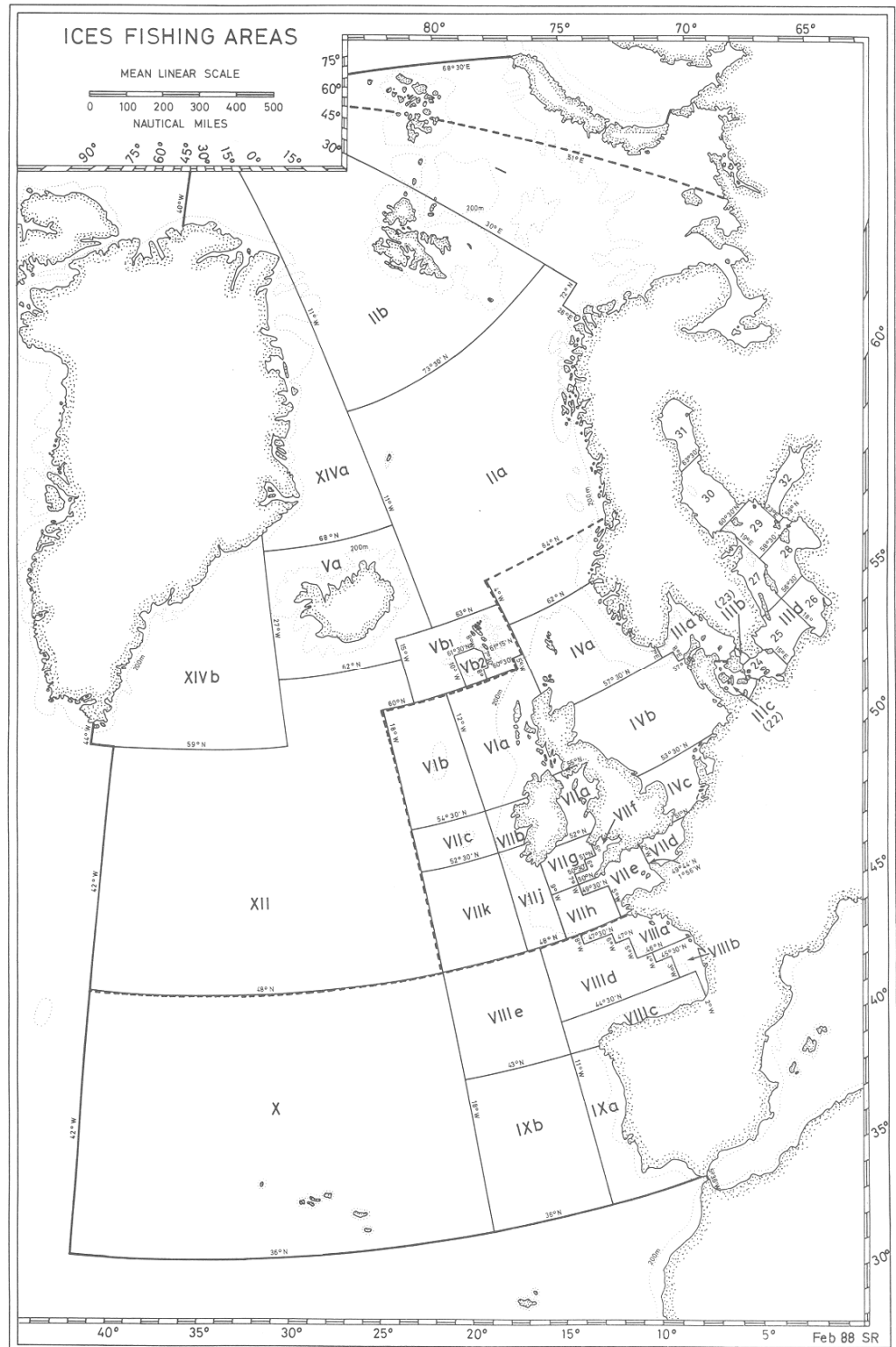


Figure 1: Map of ICES area

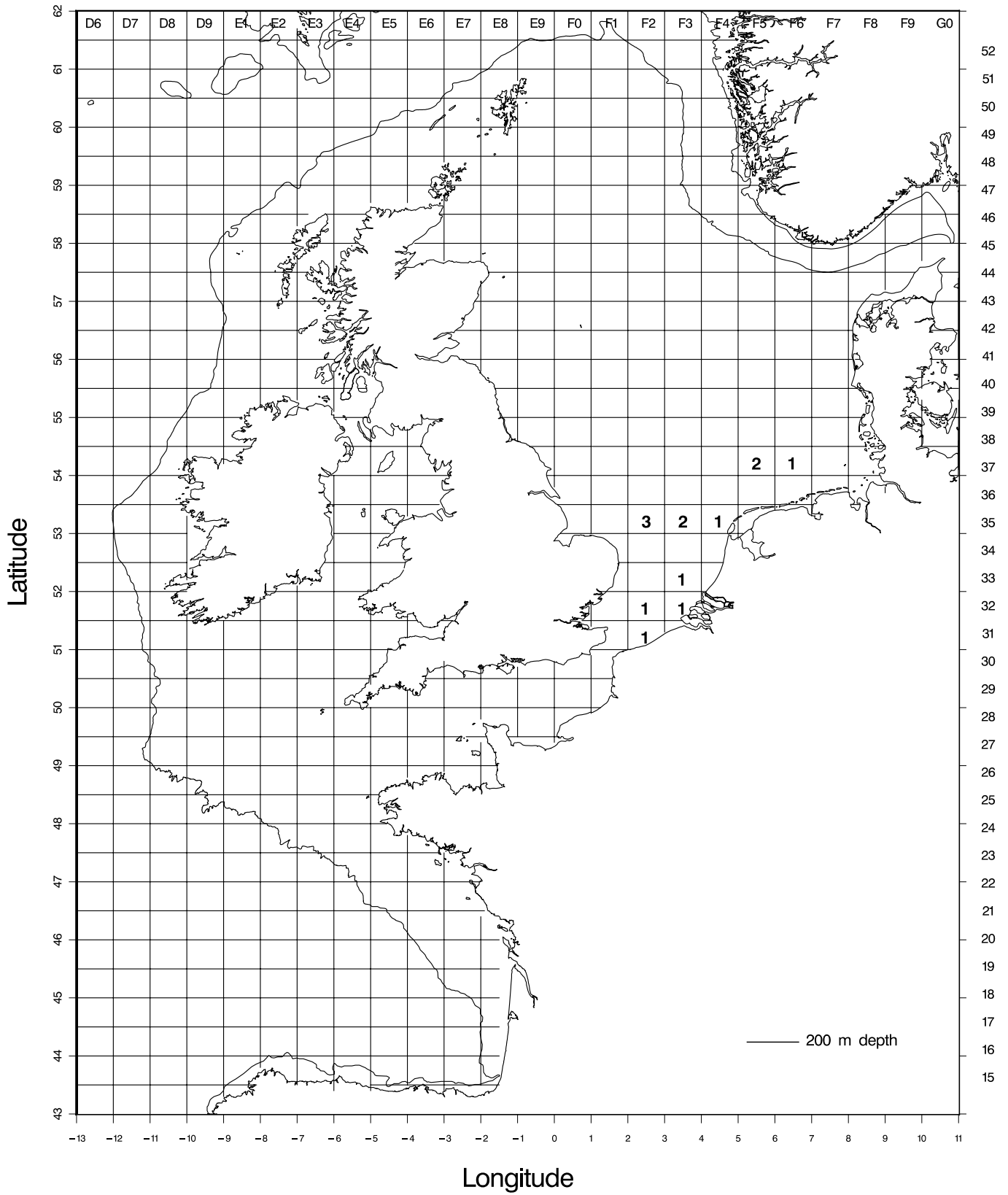


Figure 2a: Sole quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

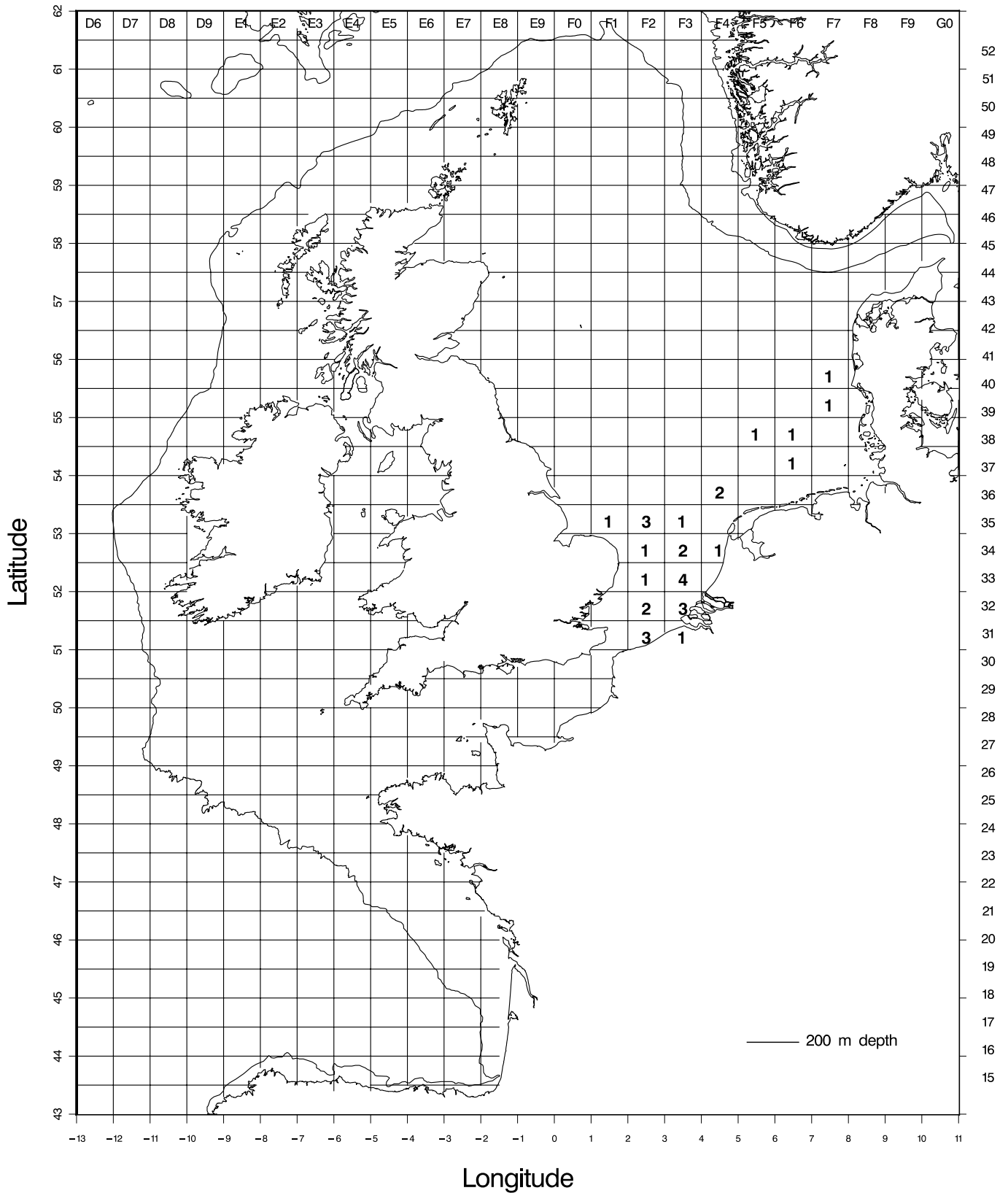


Figure 2b: Sole quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

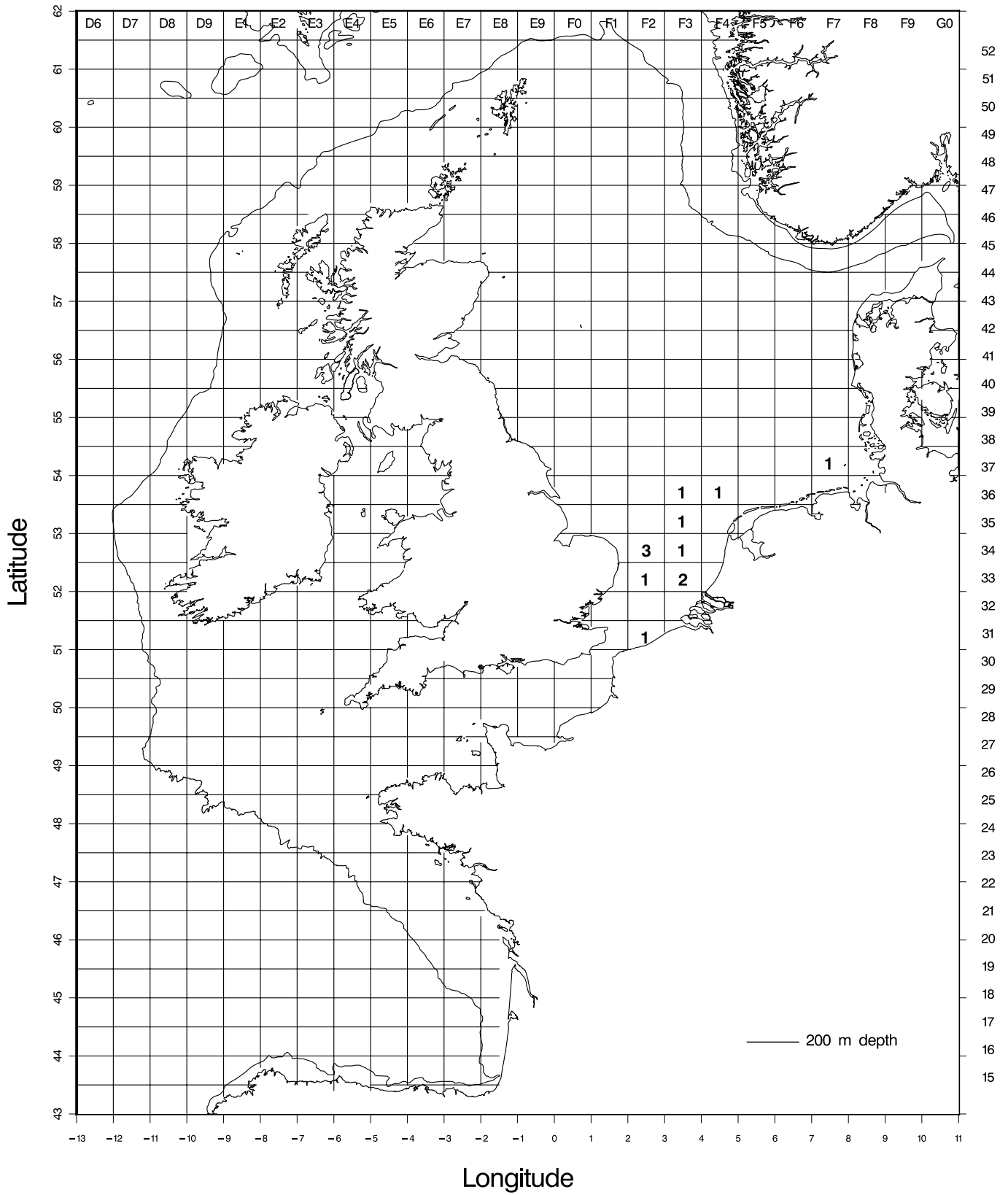


Figure 2c: Sole quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

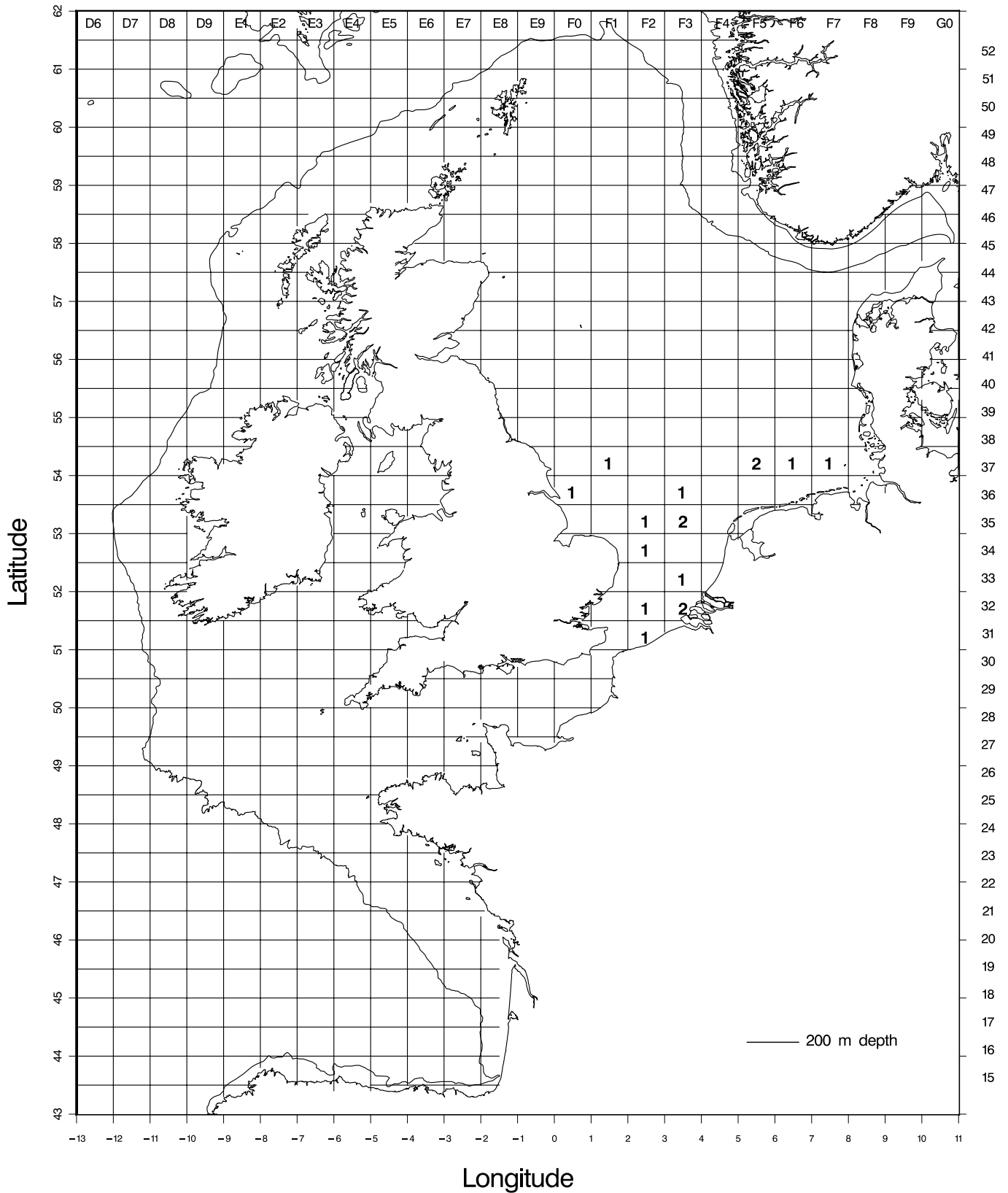


Figure 2d: Sole quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

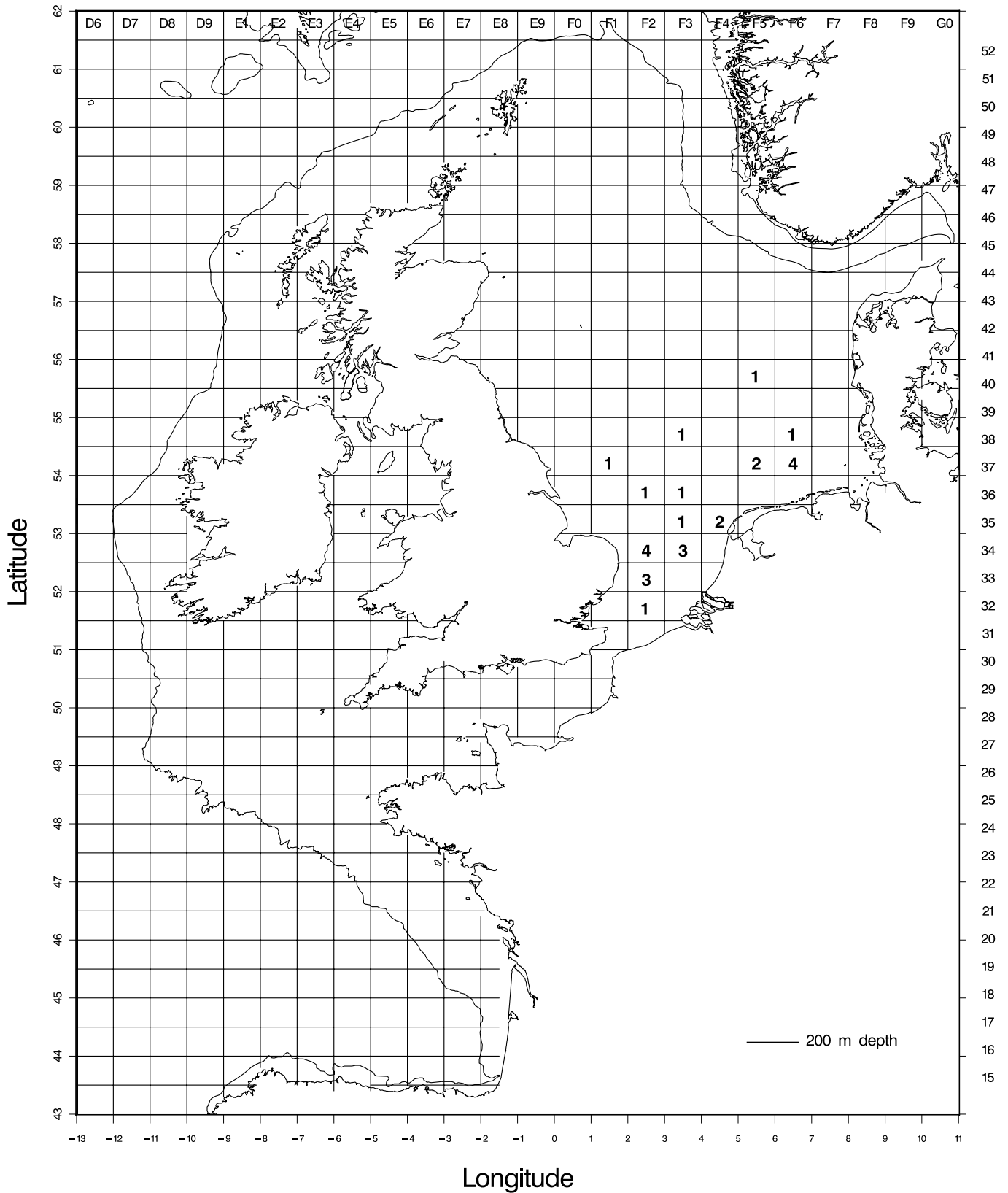


Figure 3a: Plaice quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

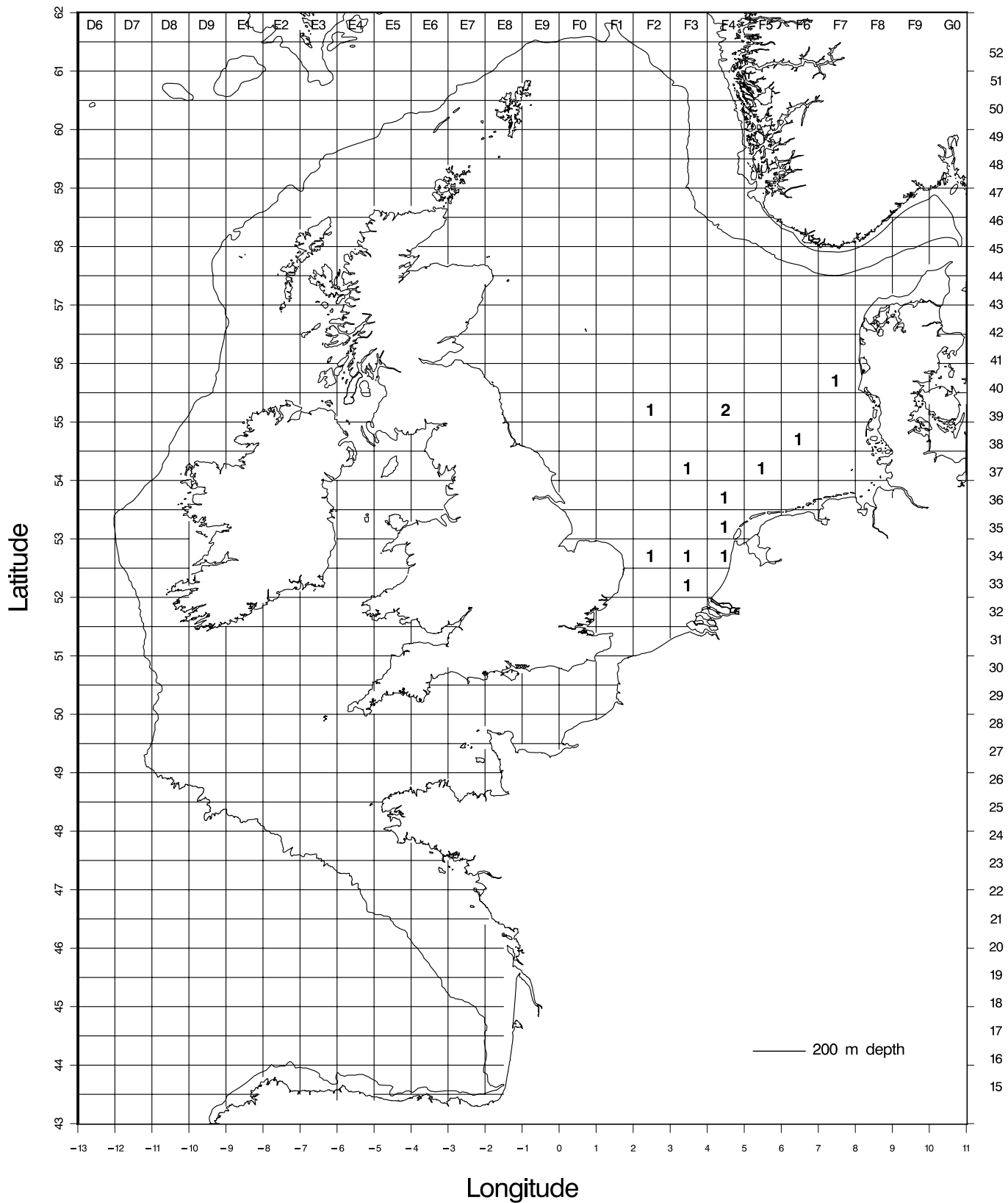


Figure 3b: Plaice quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

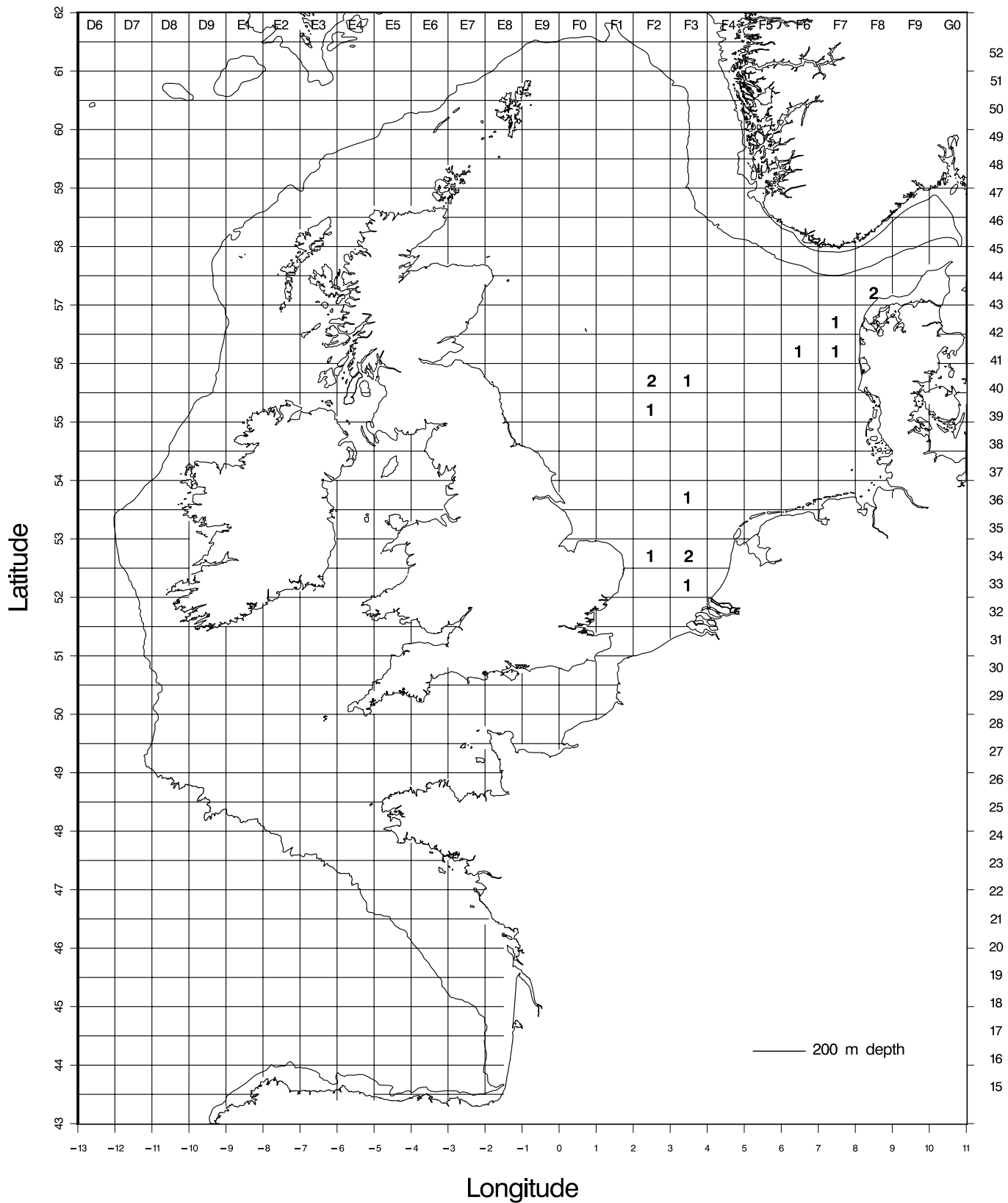


Figure 3c: Plaice quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

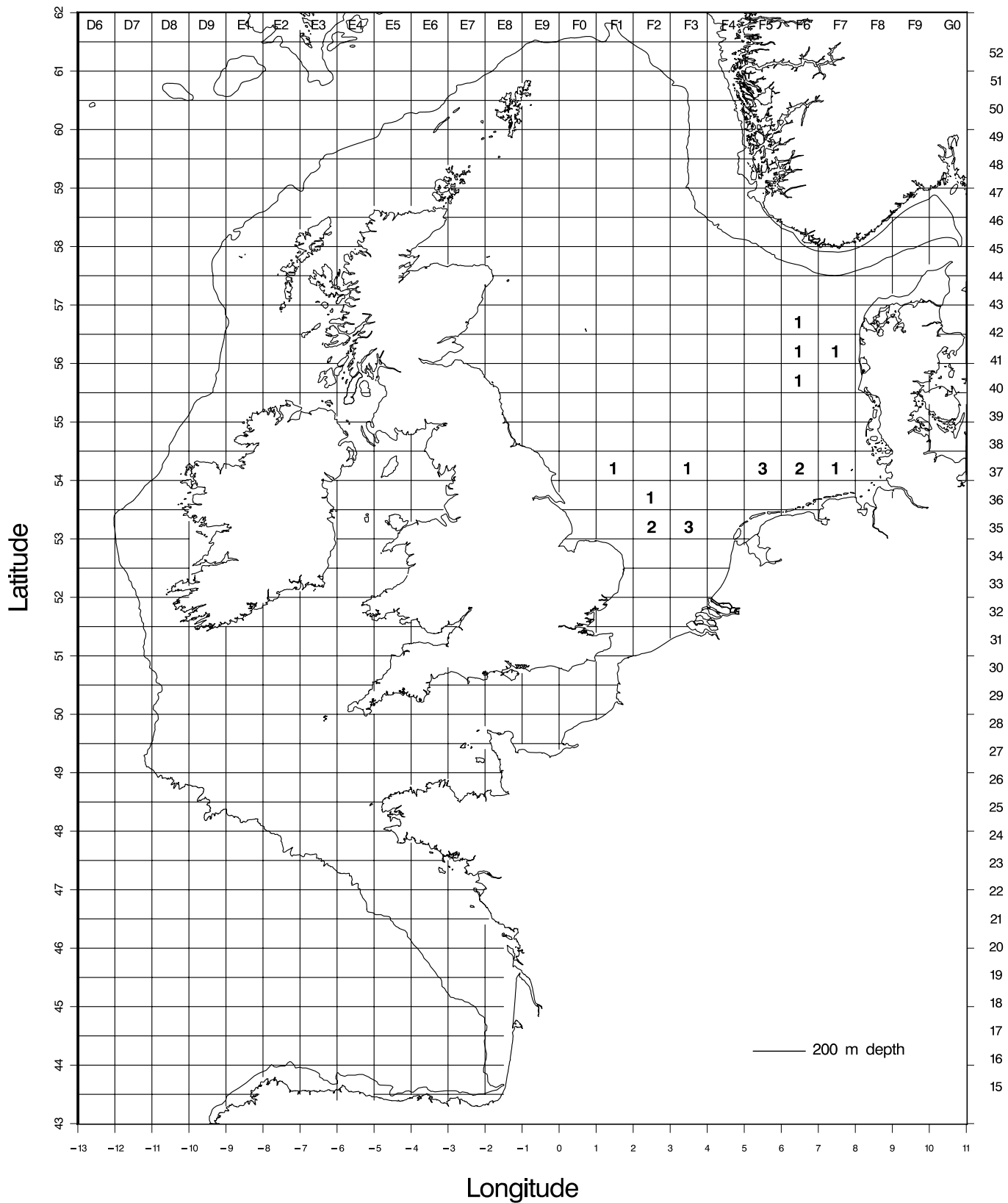


Figure 3d: Plaiice quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

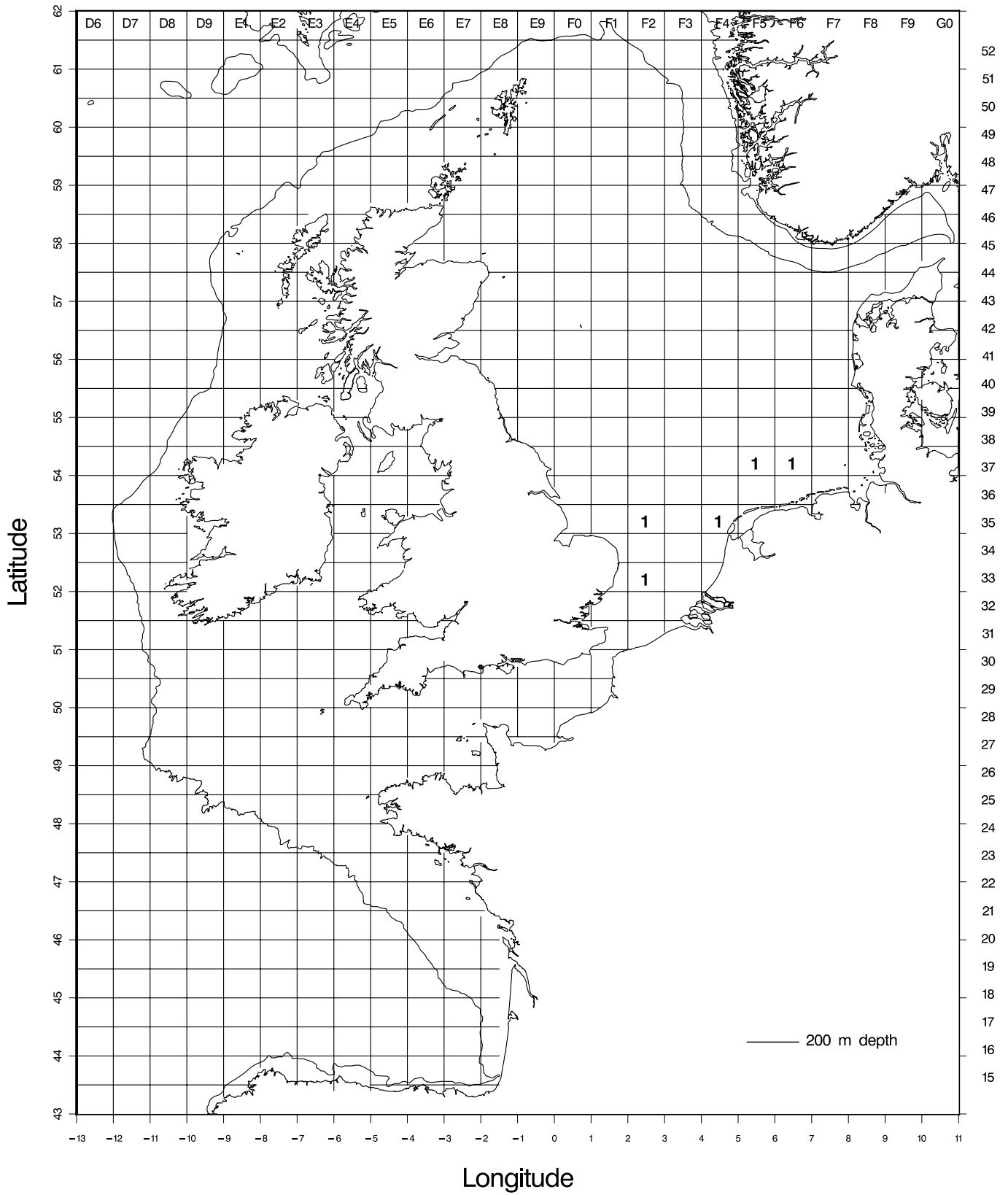


Figure 4a: Turbot quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

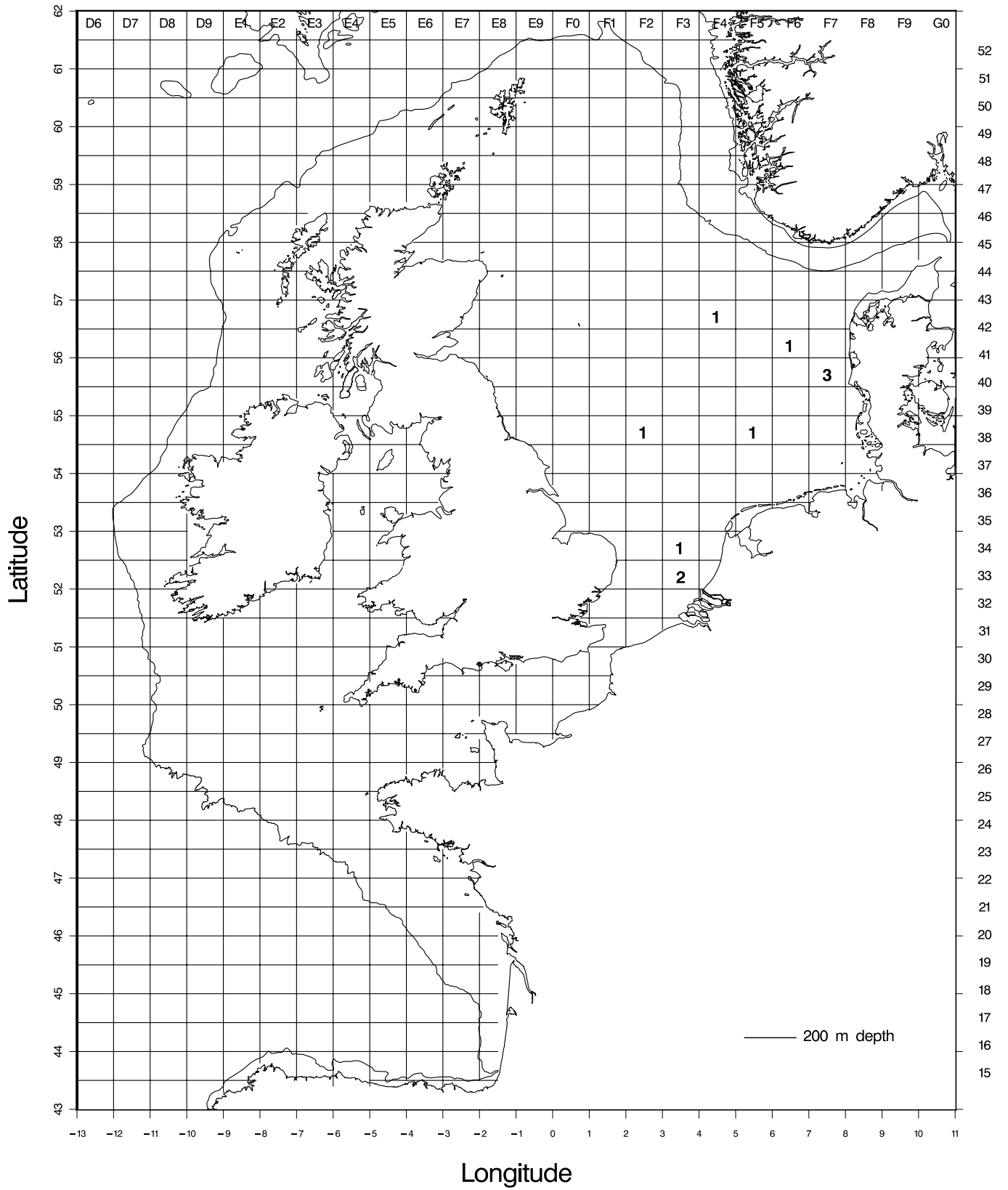


Figure 4b: Turbot quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

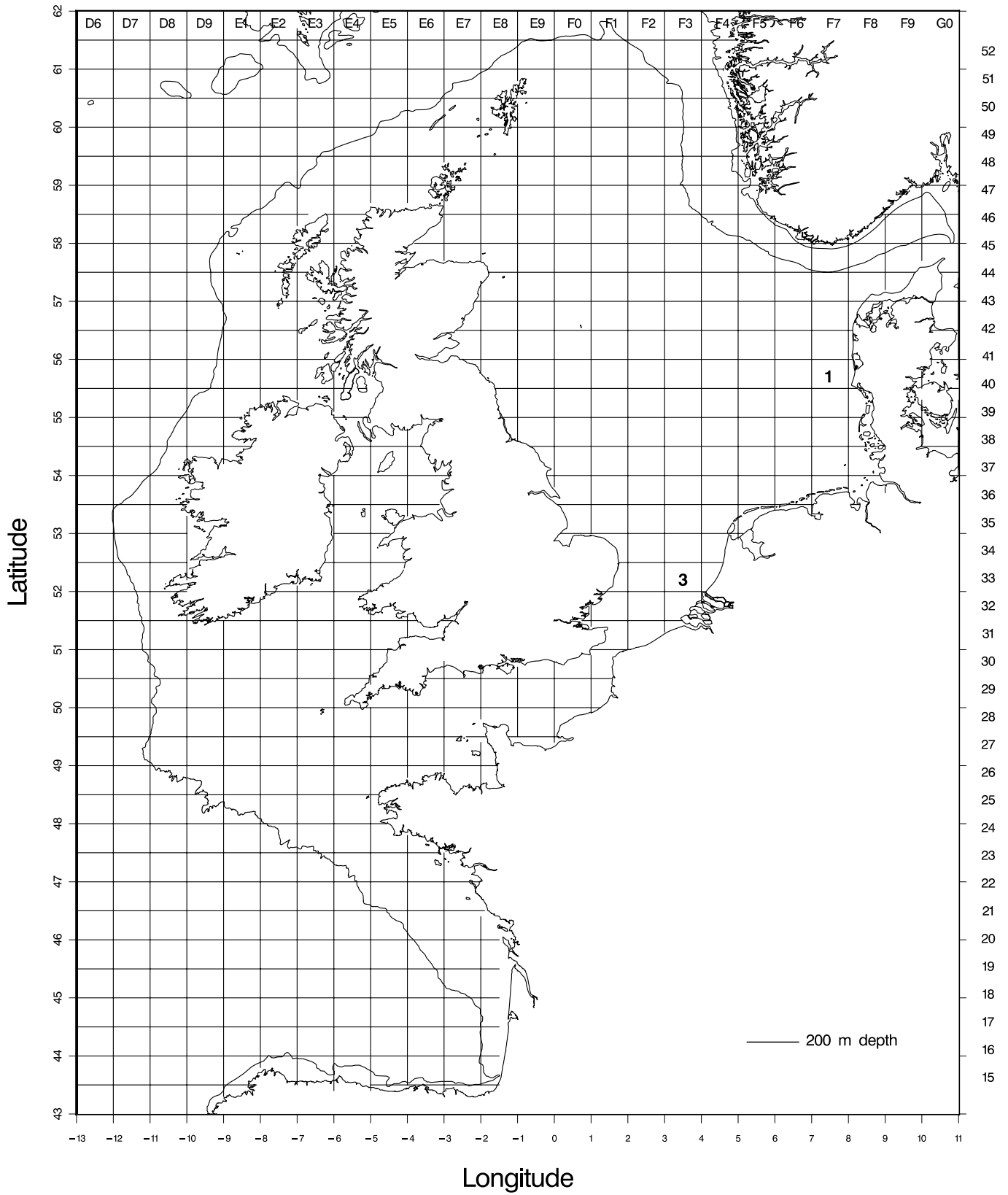


Figure 4c: Turbot quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

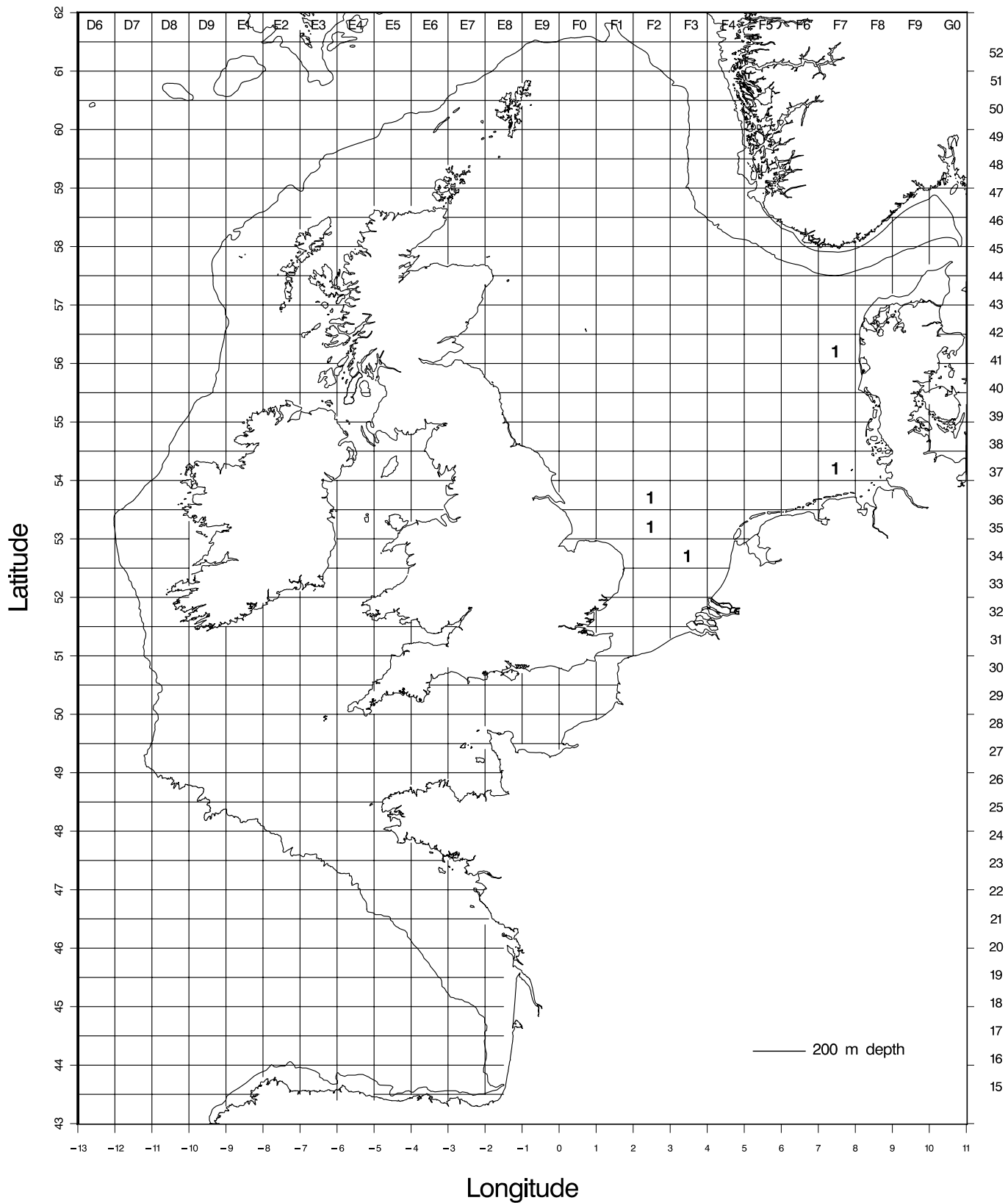


Figure 4d: Turbot quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

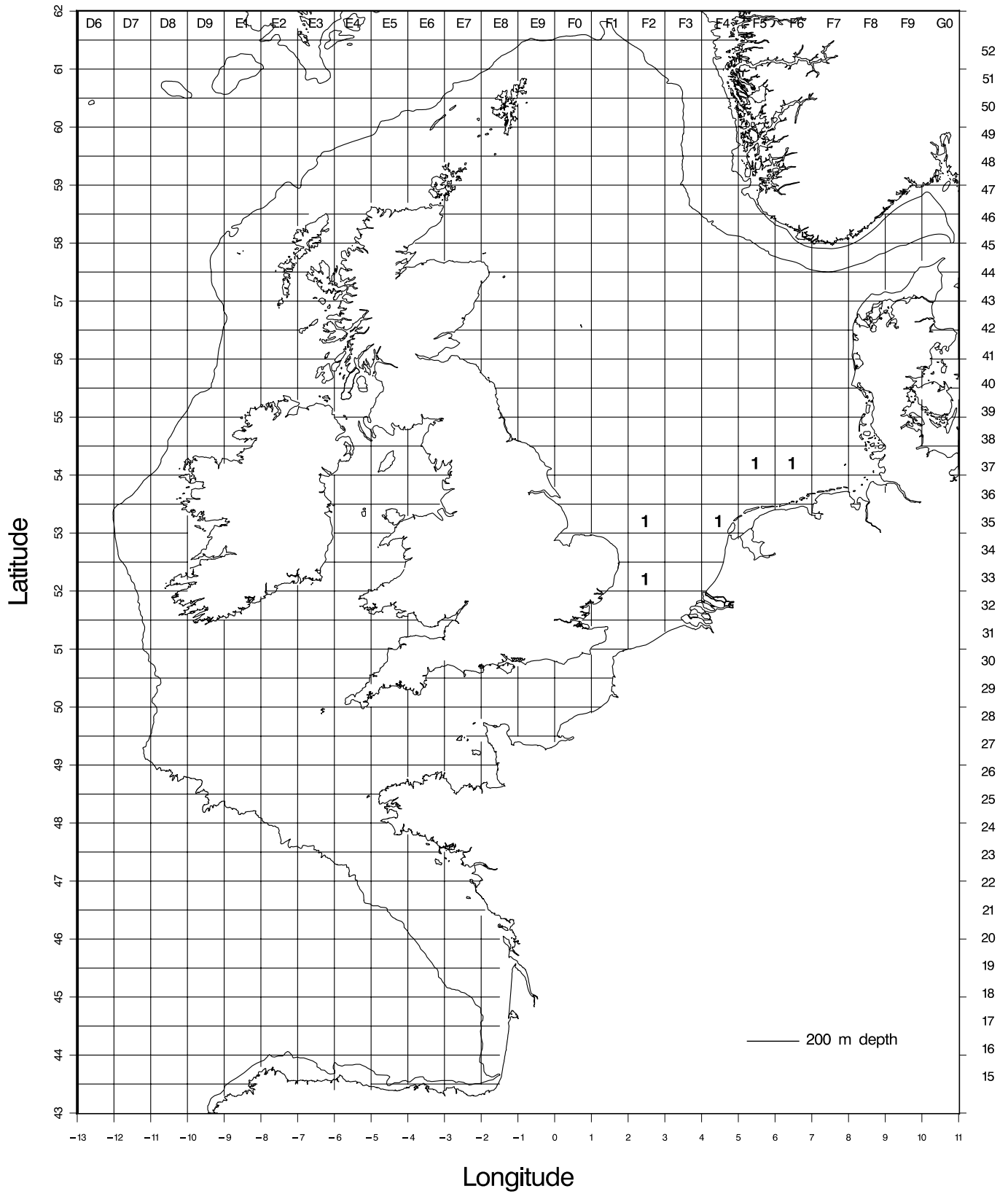


Figure 5a: Brill quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

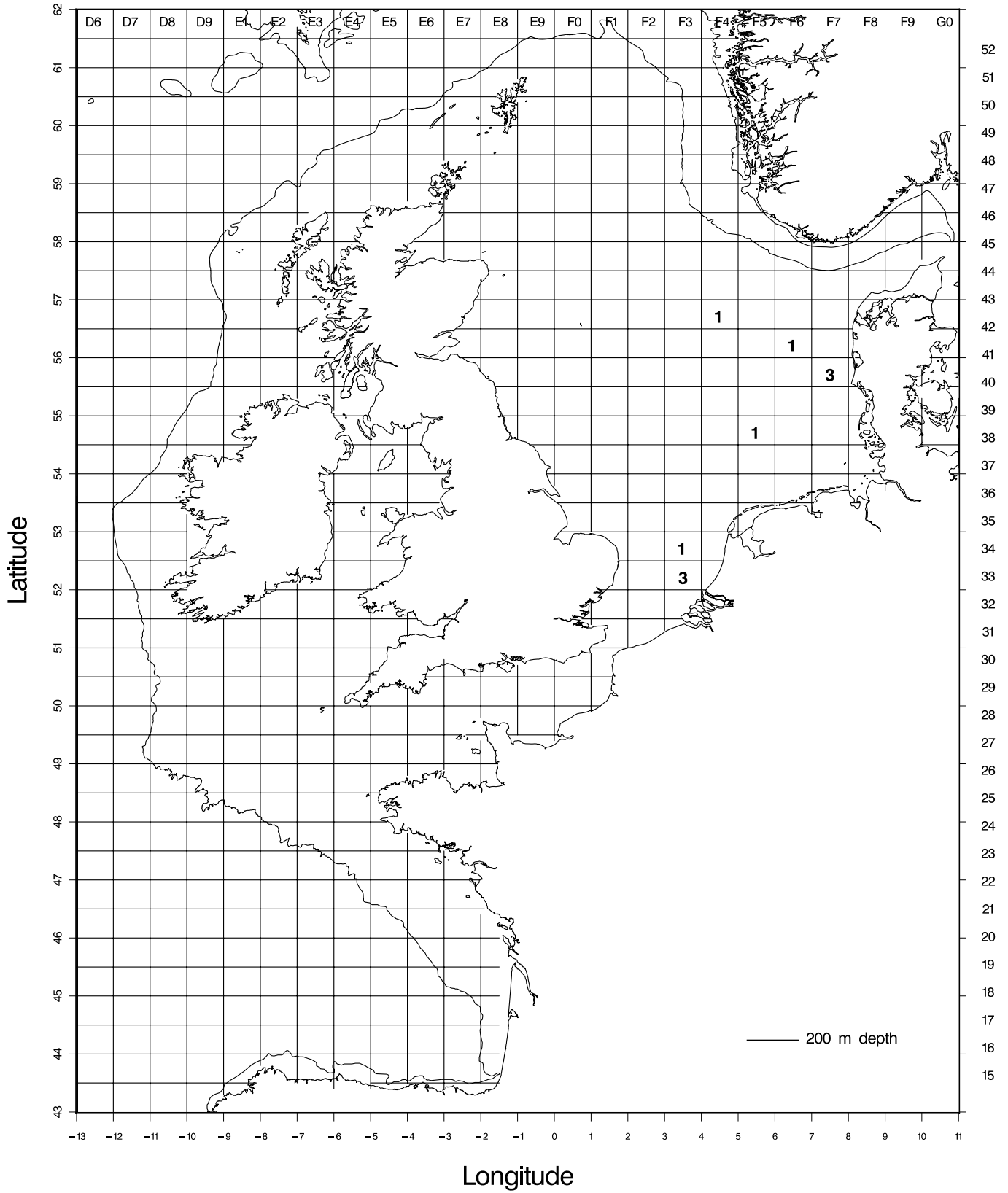


Figure 5b: Brill quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

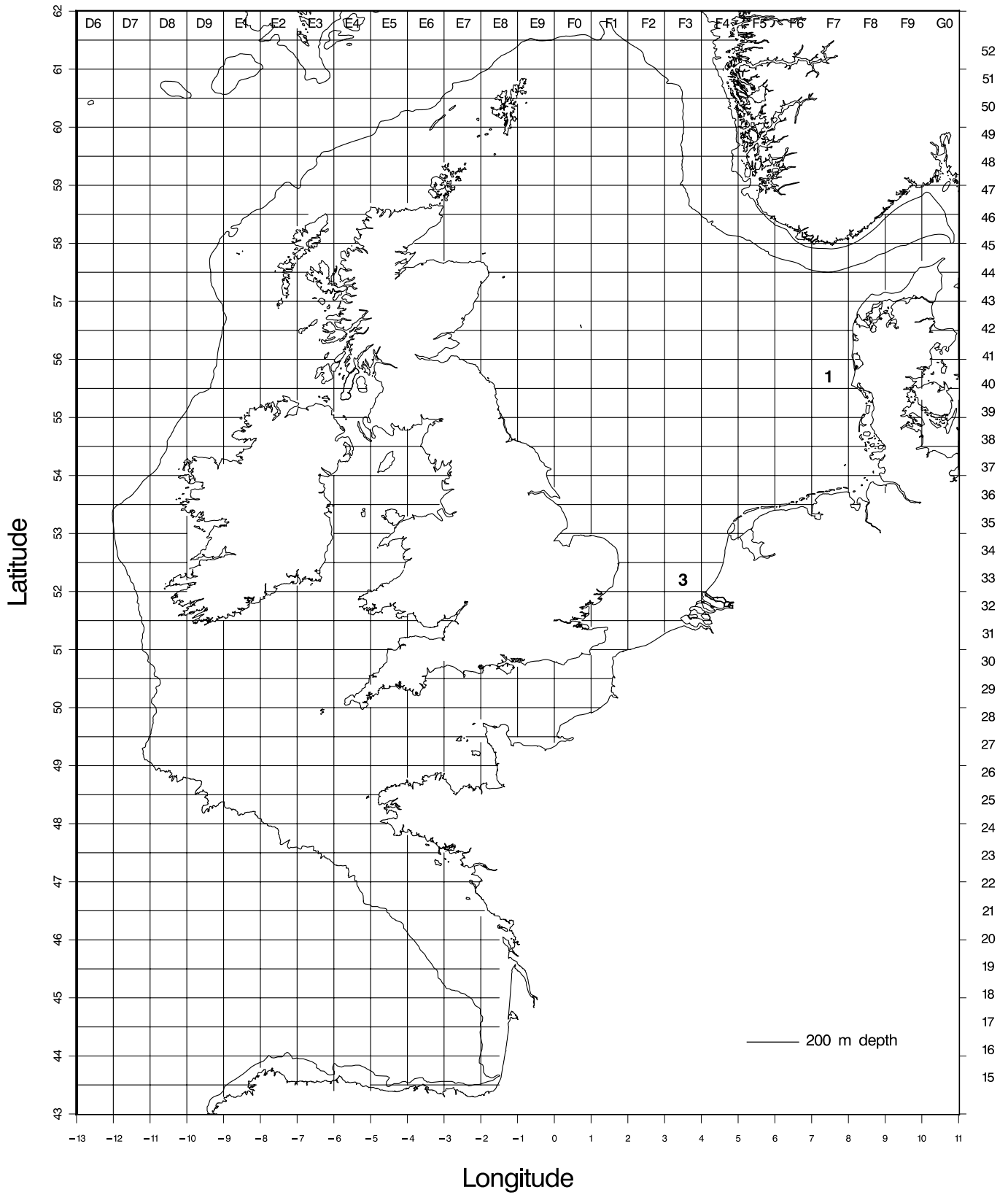


Figure 5c: Brill quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

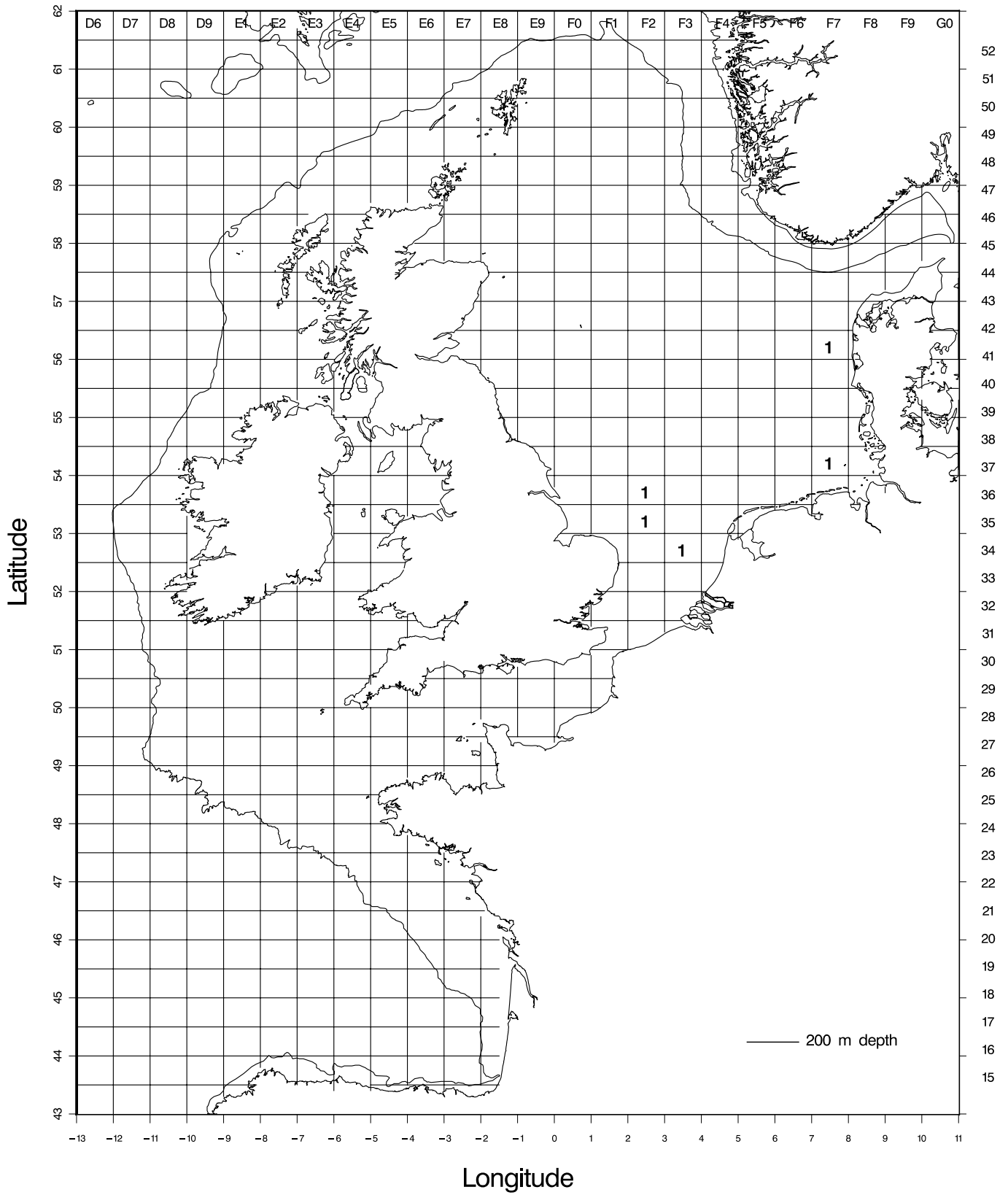


Figure 5d: Brill quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

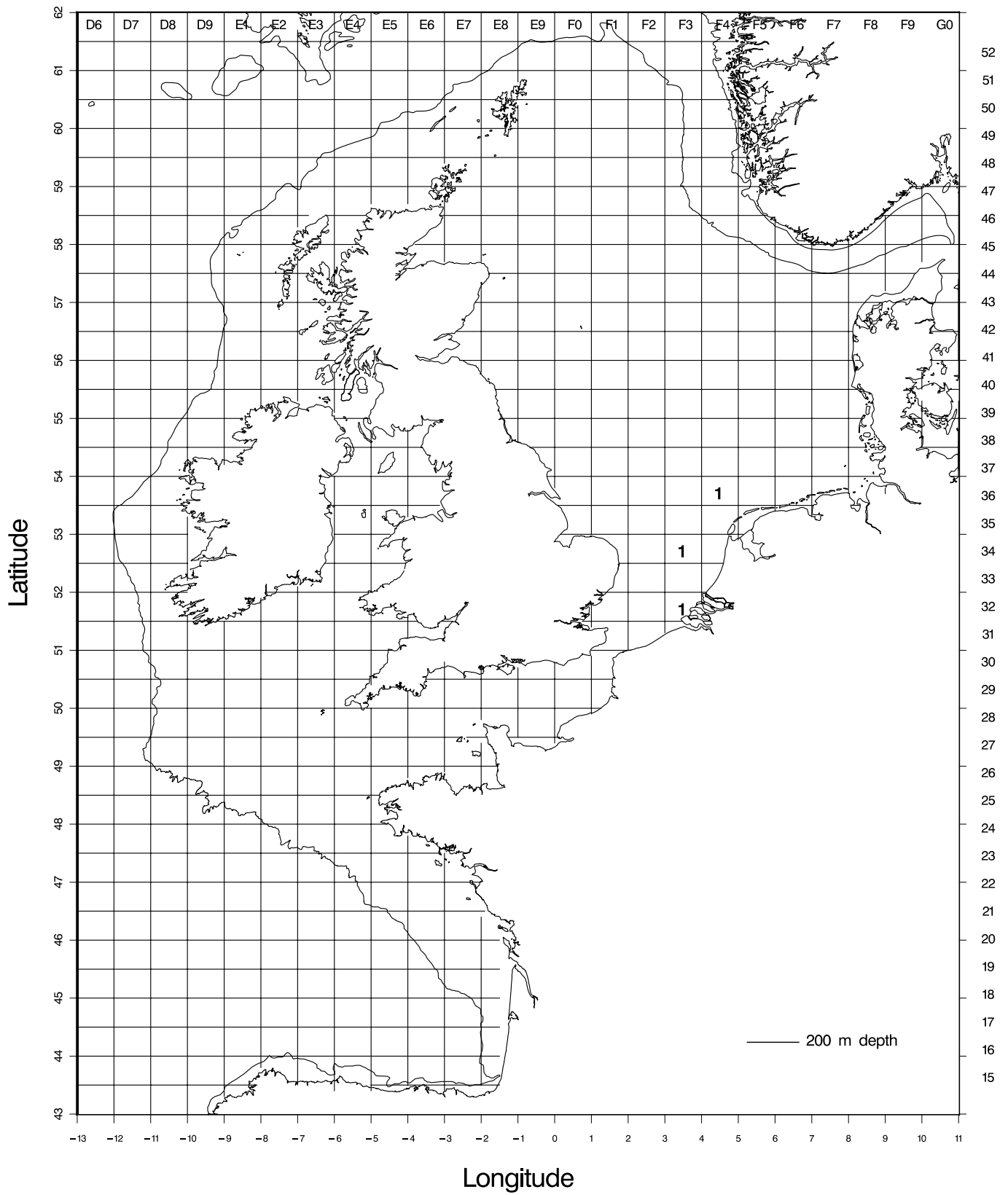


Figure 6a: Dab quarter 1 2006

Number of age samples of commercial catches per ICES rectangle

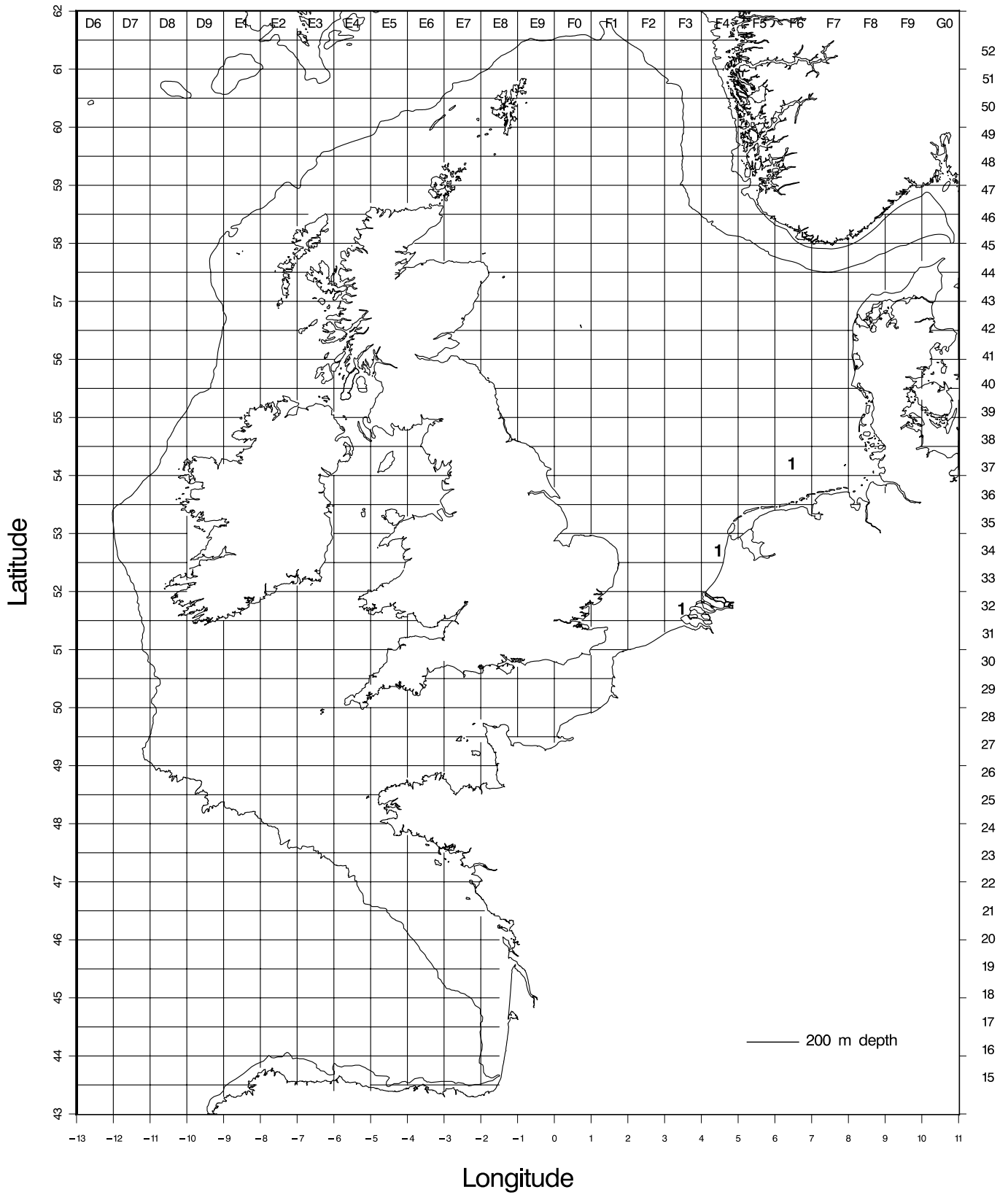


Figure 6b: Dab quarter 2 2006

Number of age samples of commercial catches per ICES rectangle

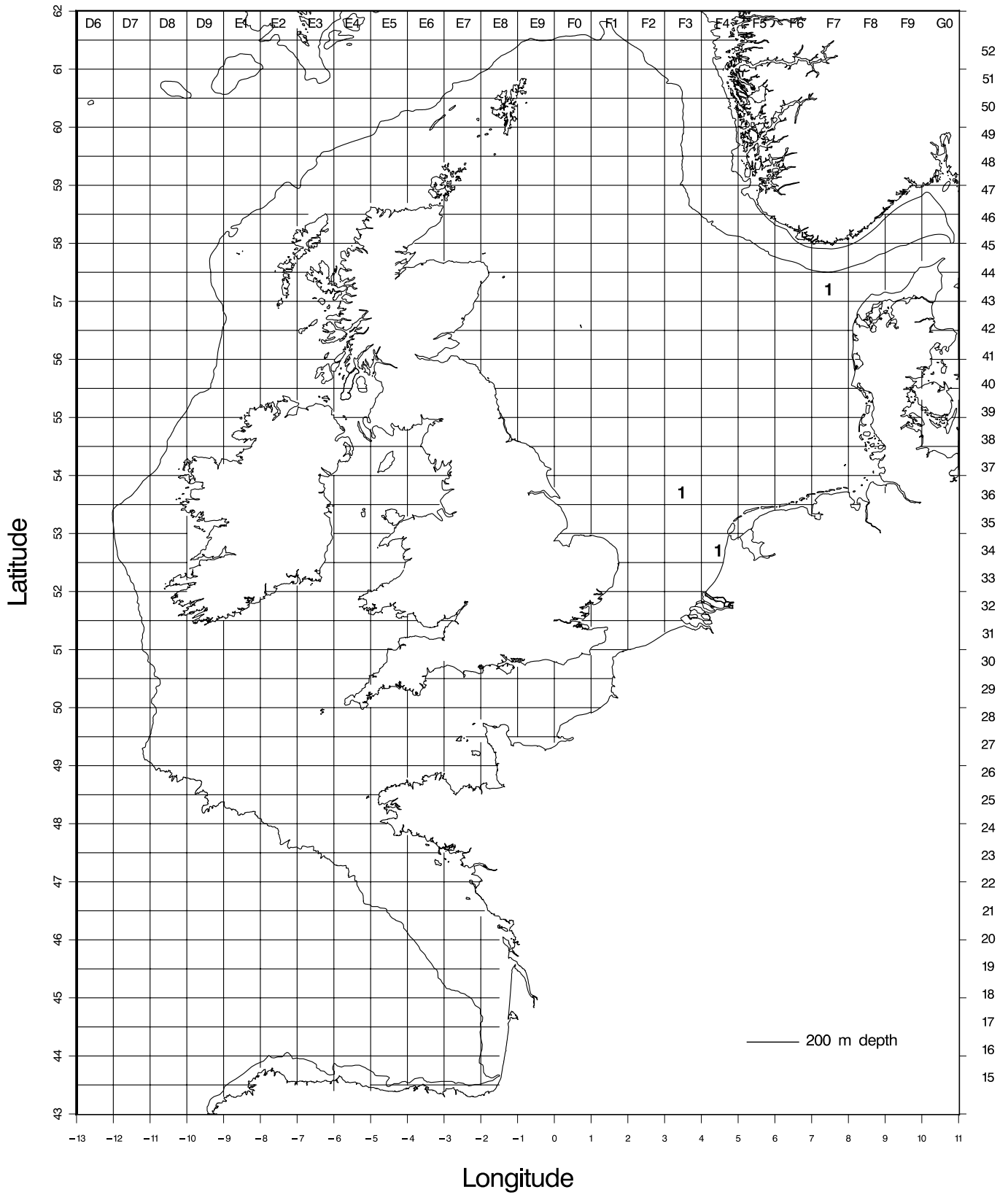


Figure 6c: Dab quarter 3 2006

Number of age samples of commercial catches per ICES rectangle

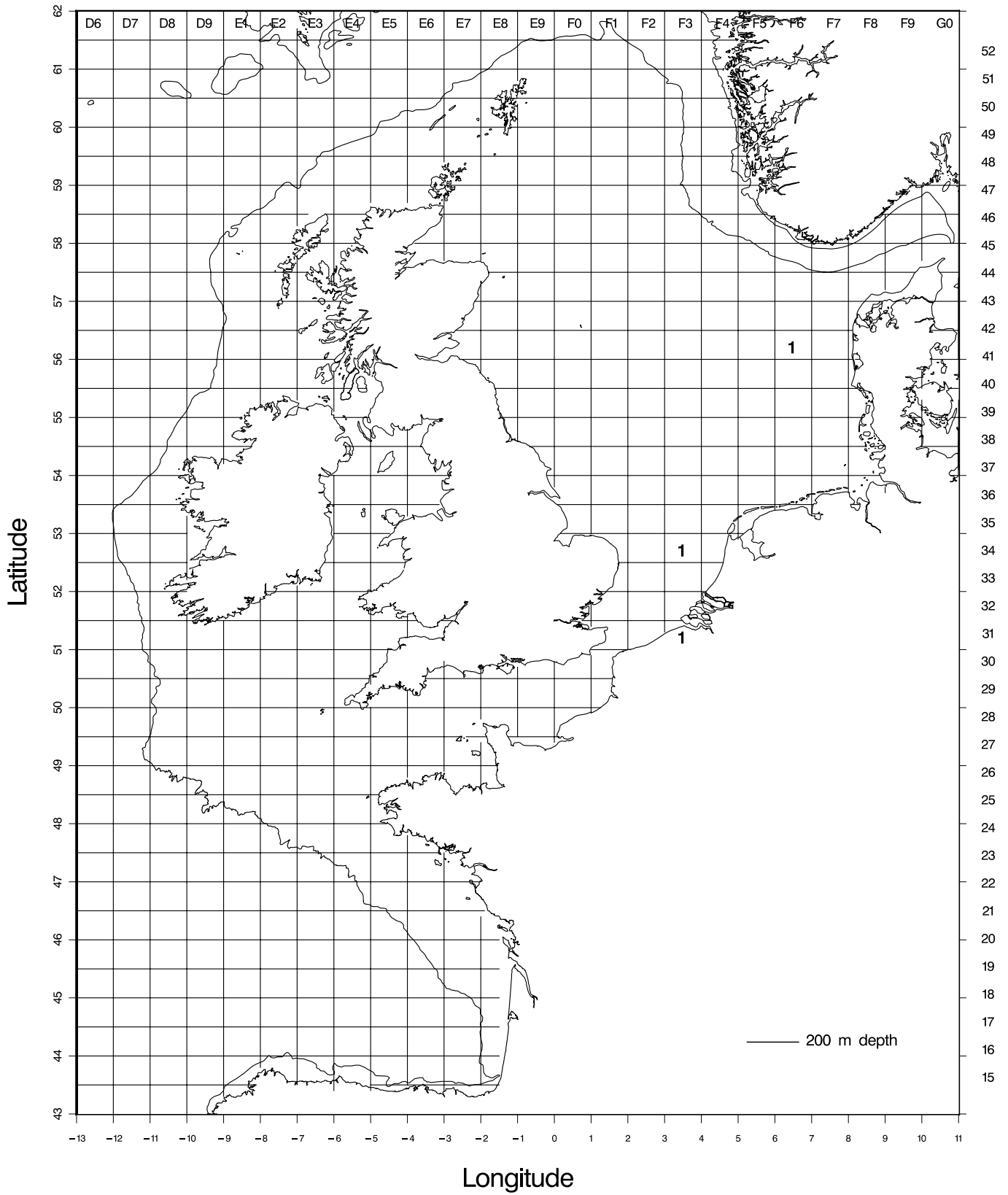


Figure 6d: Dab quarter 4 2006

Number of age samples of commercial catches per ICES rectangle

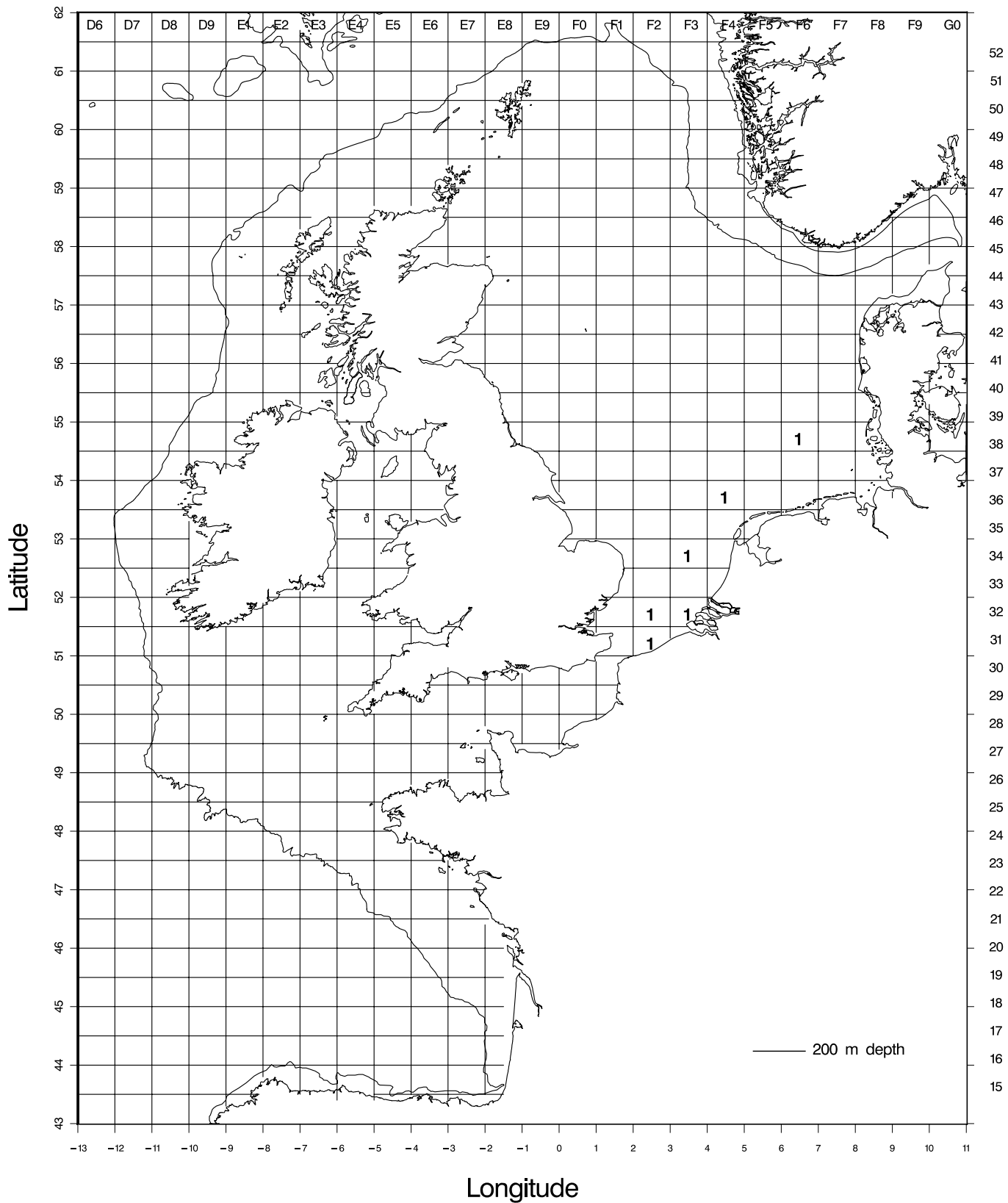


Figure 6e: Dab quarter 1 2006

Number of length samples of commercial catches per ICES rectangle

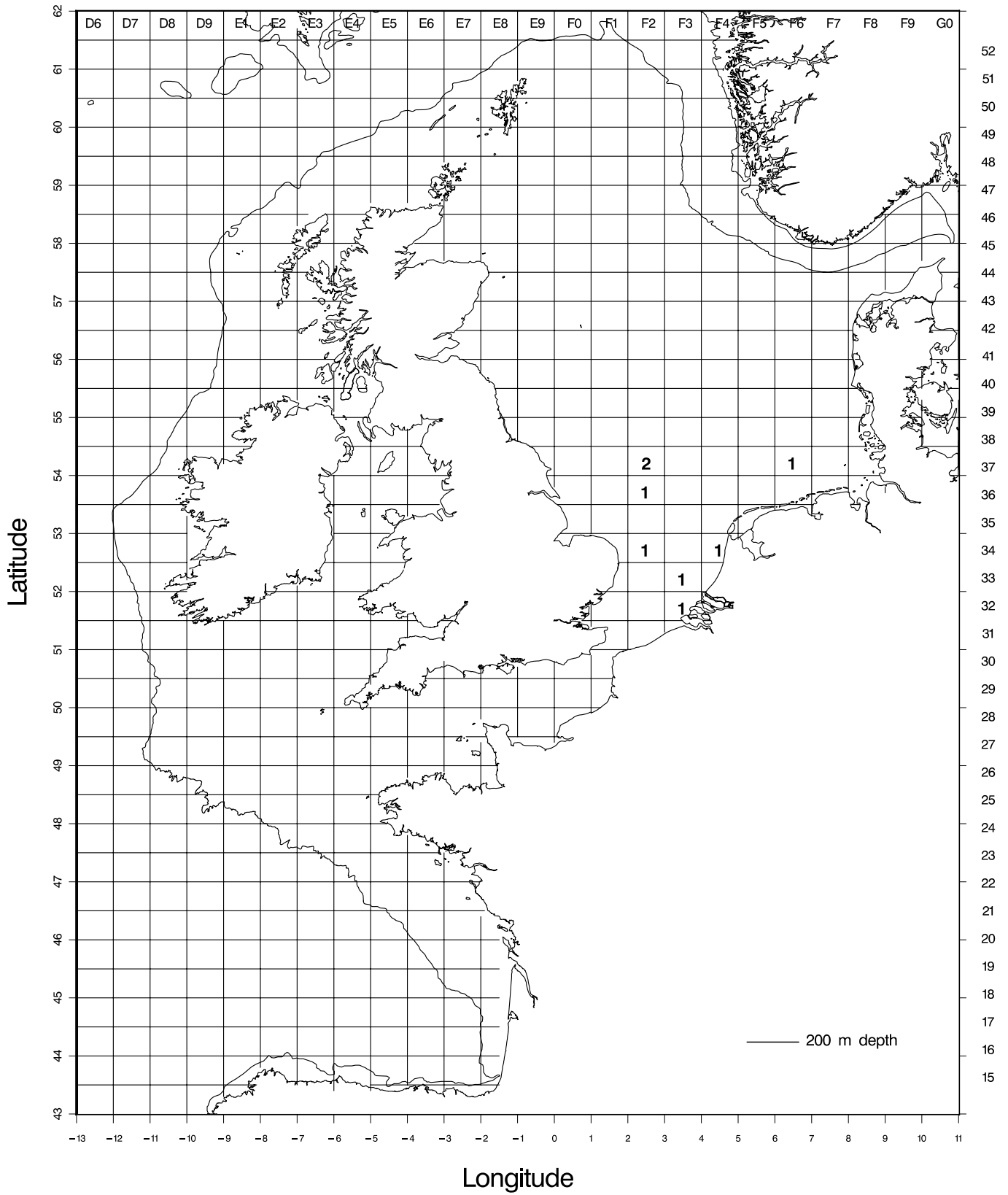


Figure 6f: Dab quarter 2 2006

Number of length samples of commercial catches per ICES rectangle

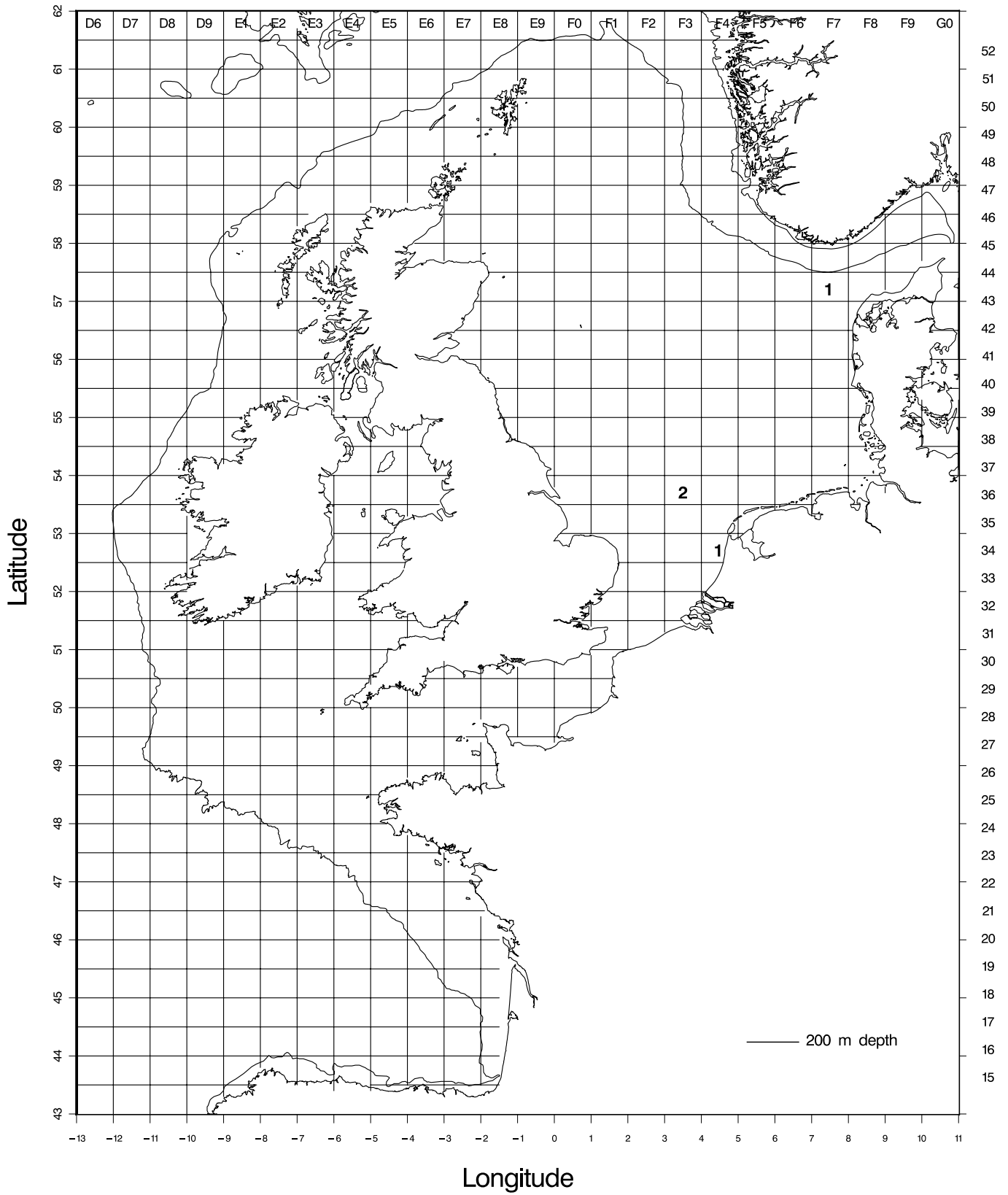


Figure 6g: Dab quarter 3 2006

Number of length samples of commercial catches per ICES rectangle

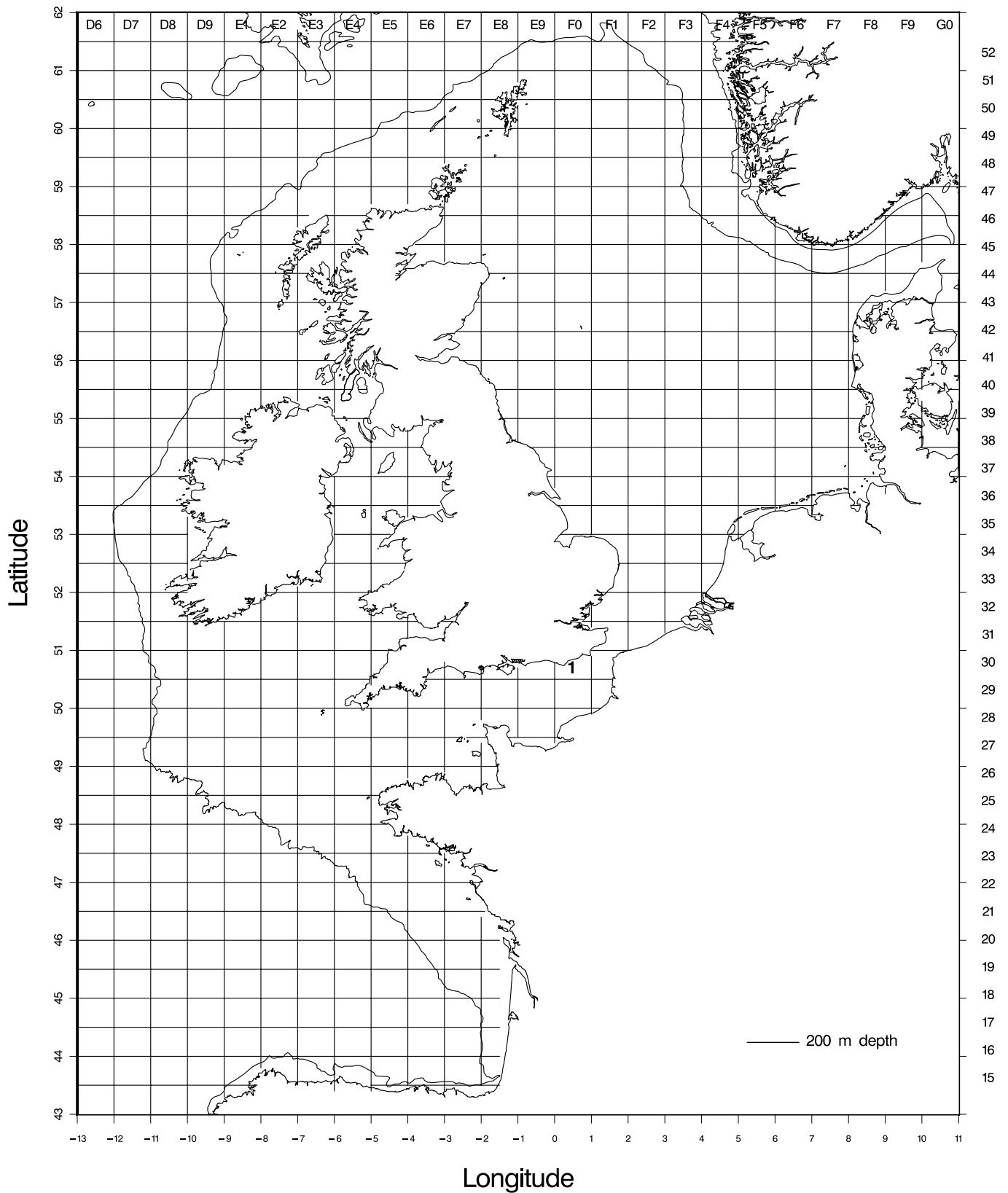


Figure 7a: Lemon sole quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

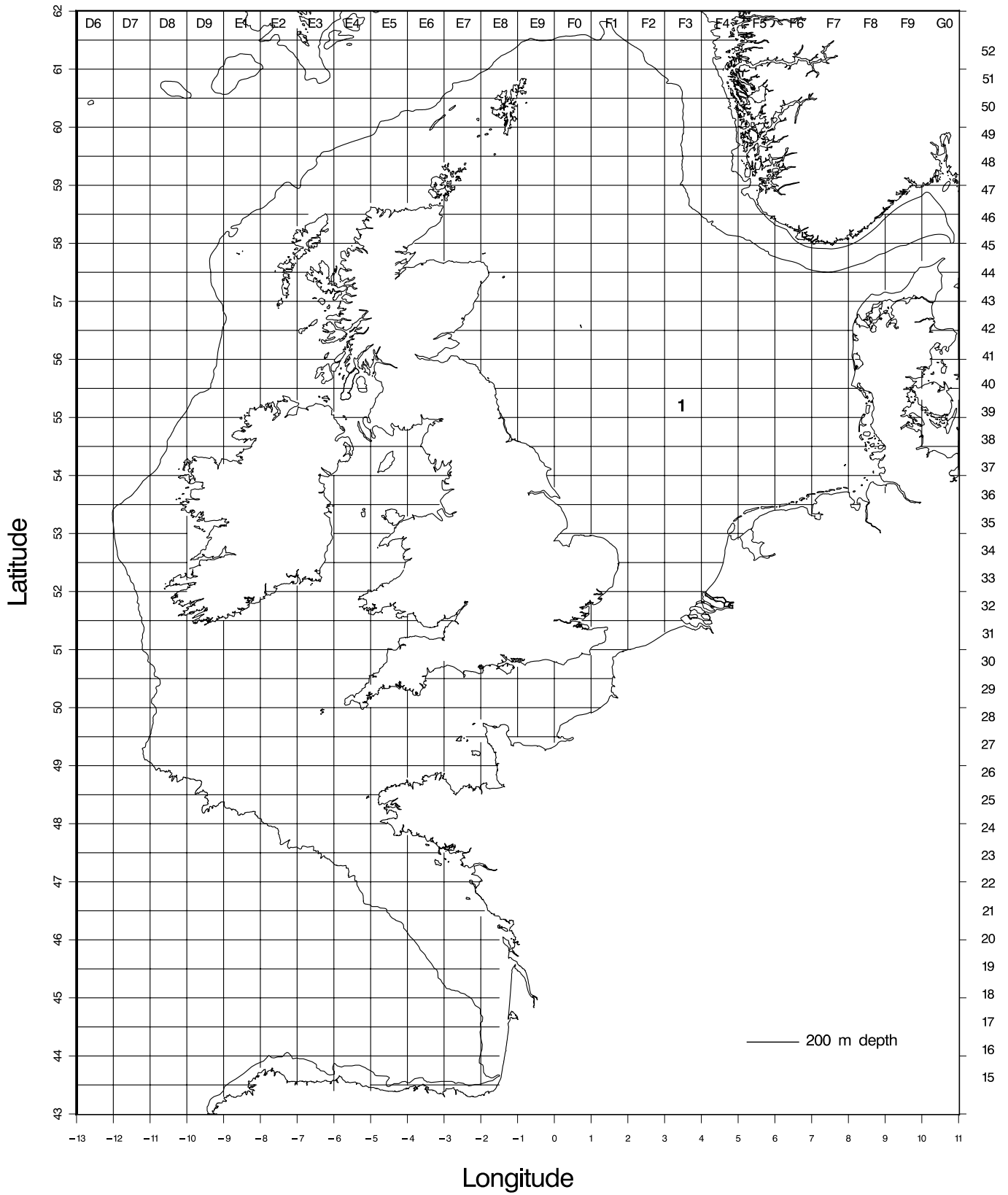


Figure 7b: Lemon sole quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

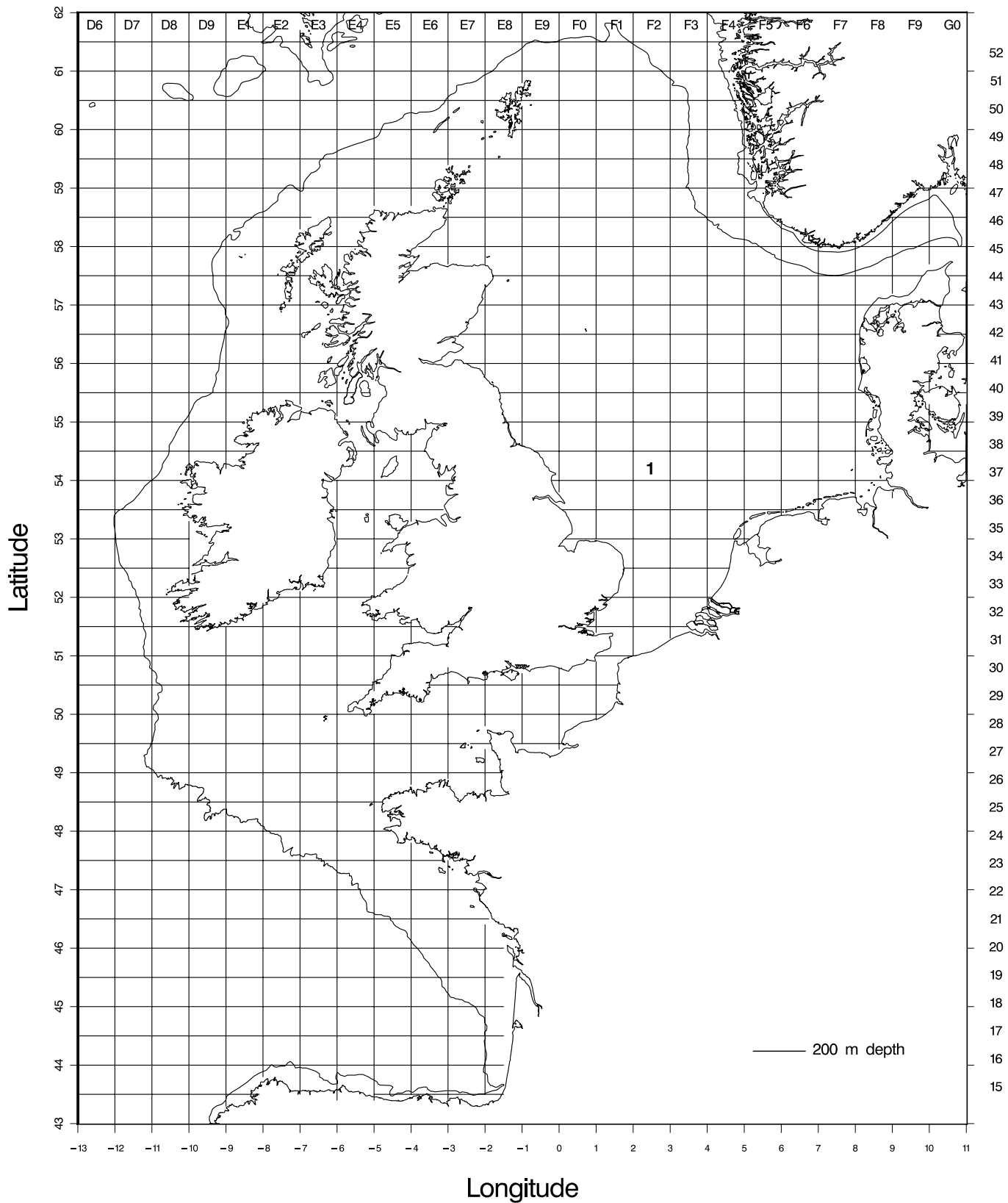


Figure 7c: Lemon sole quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

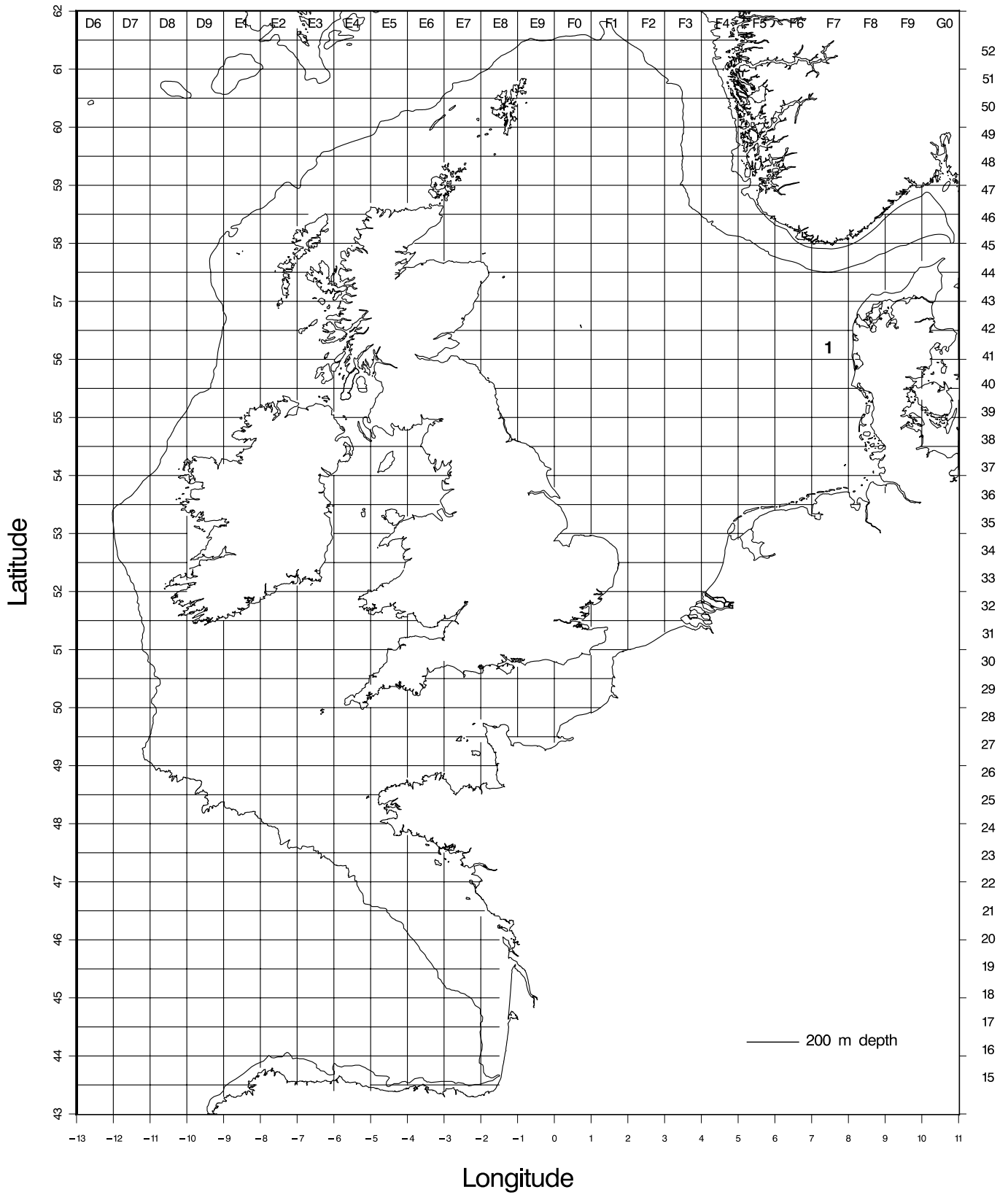


Figure 7d: Lemon sole quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

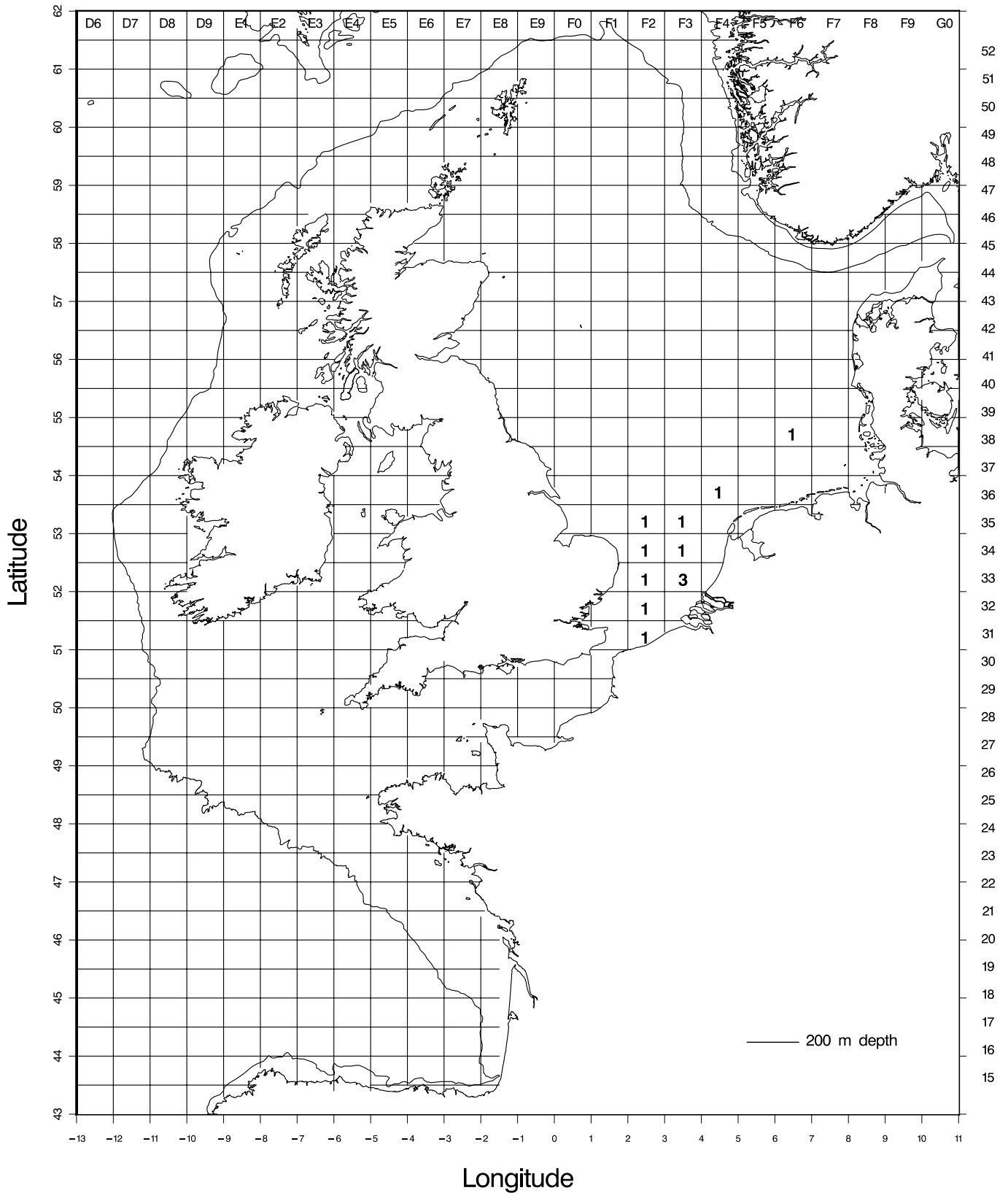


Figure 8a: Cod quarter 1 2006

Number of age samples of commercial catches per ICES rectangle

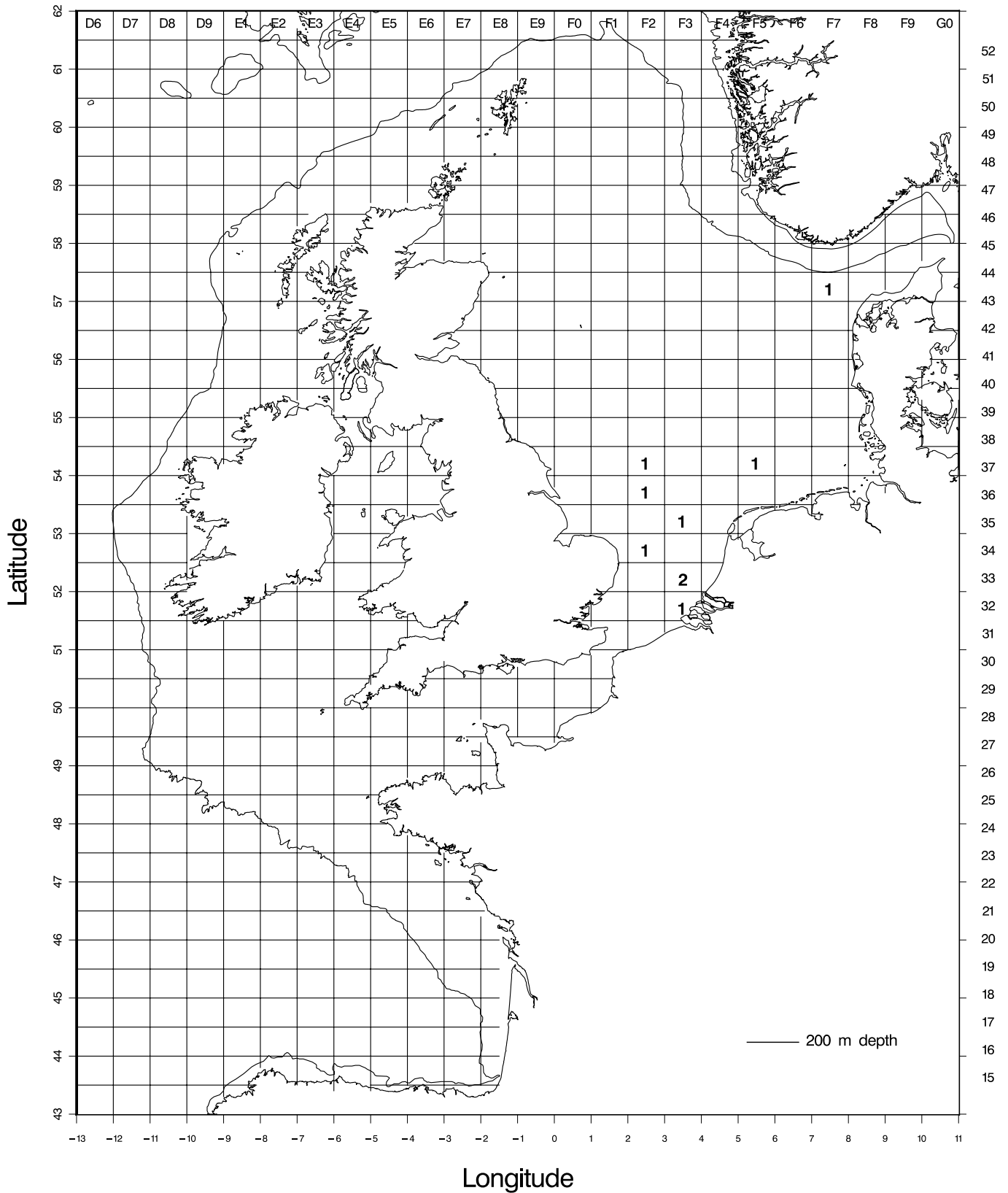


Figure 8b: Cod quarter 2 2006

Number of age samples of commercial catches per ICES rectangle

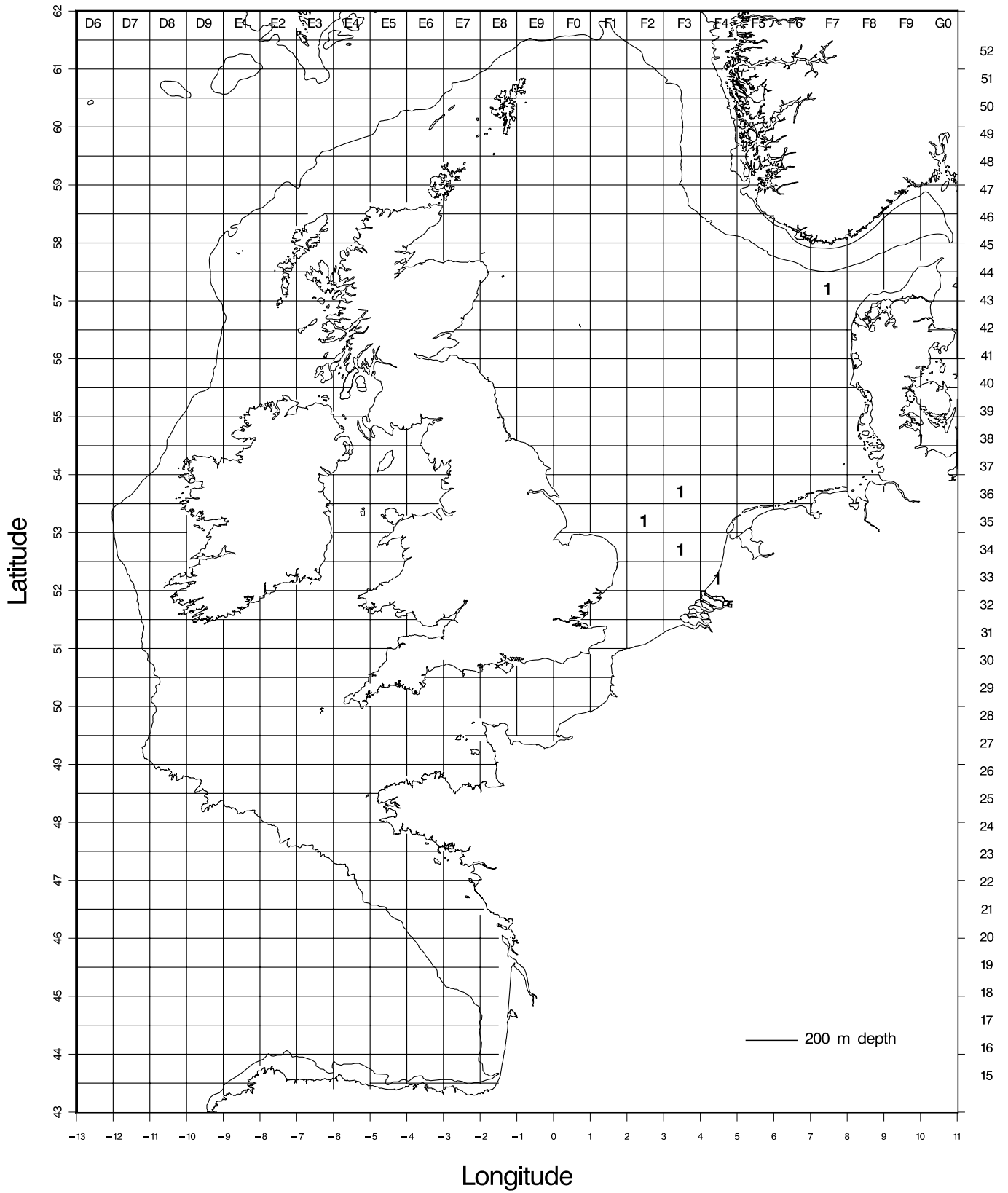


Figure 8c: Cod quarter 3 2006
 Number of age samples of commercial catches per ICES rectangle

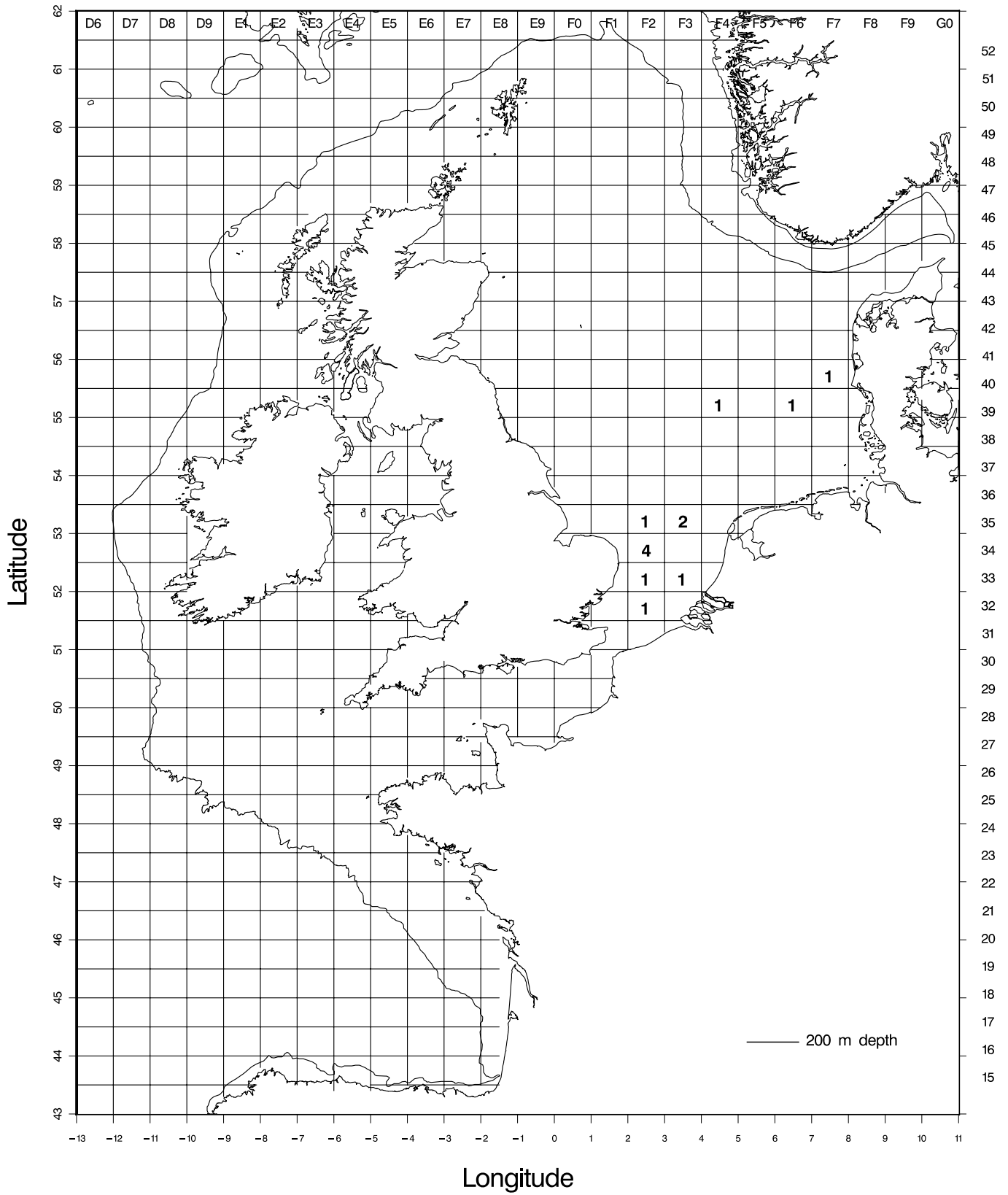


Figure 8d: Cod quarter 4 2006

Number of age samples of commercial catches per ICES rectangle

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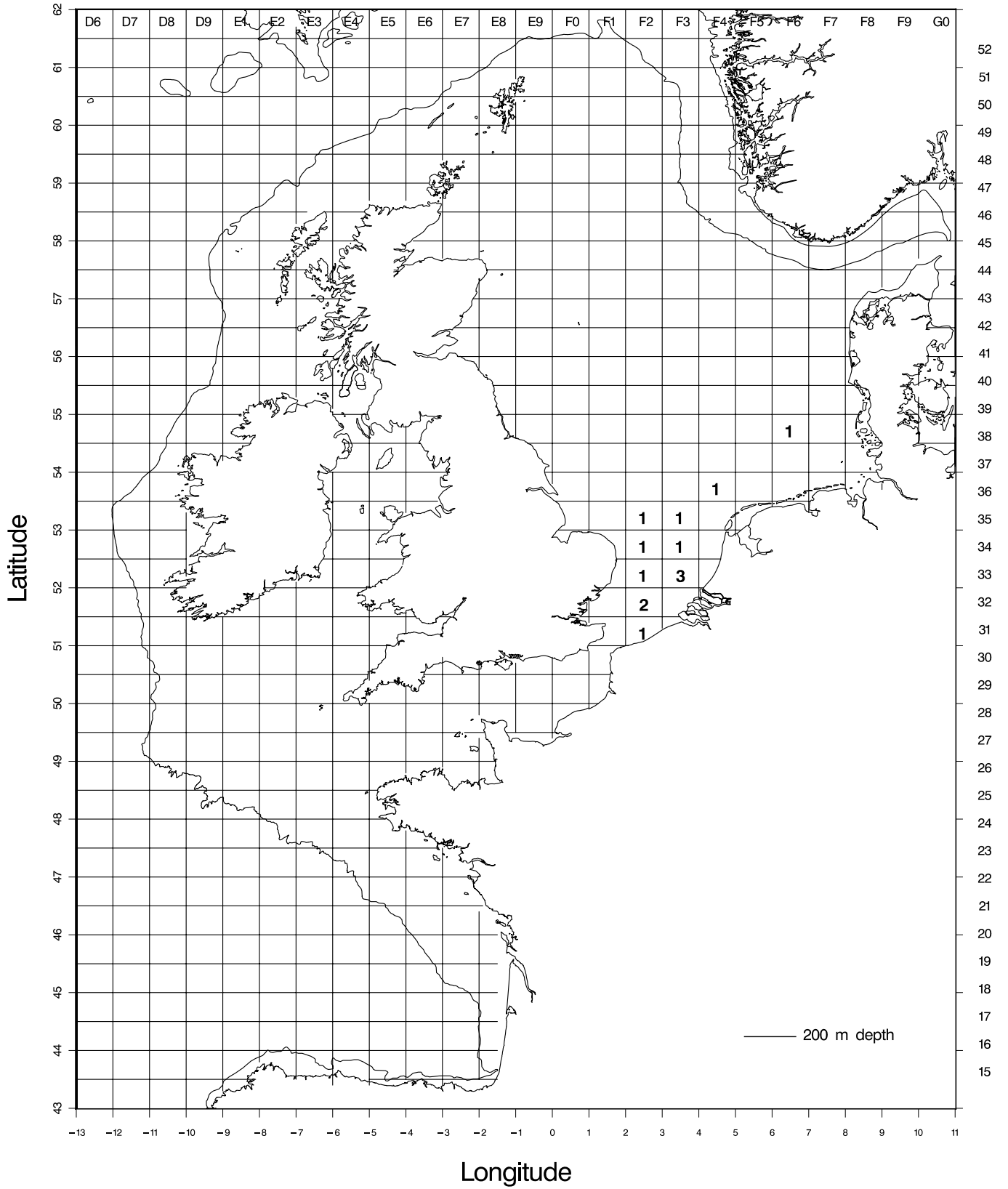


Figure 8e: Cod quarter 1 2006
 Number of length samples of commercial catches per ICES rectangle

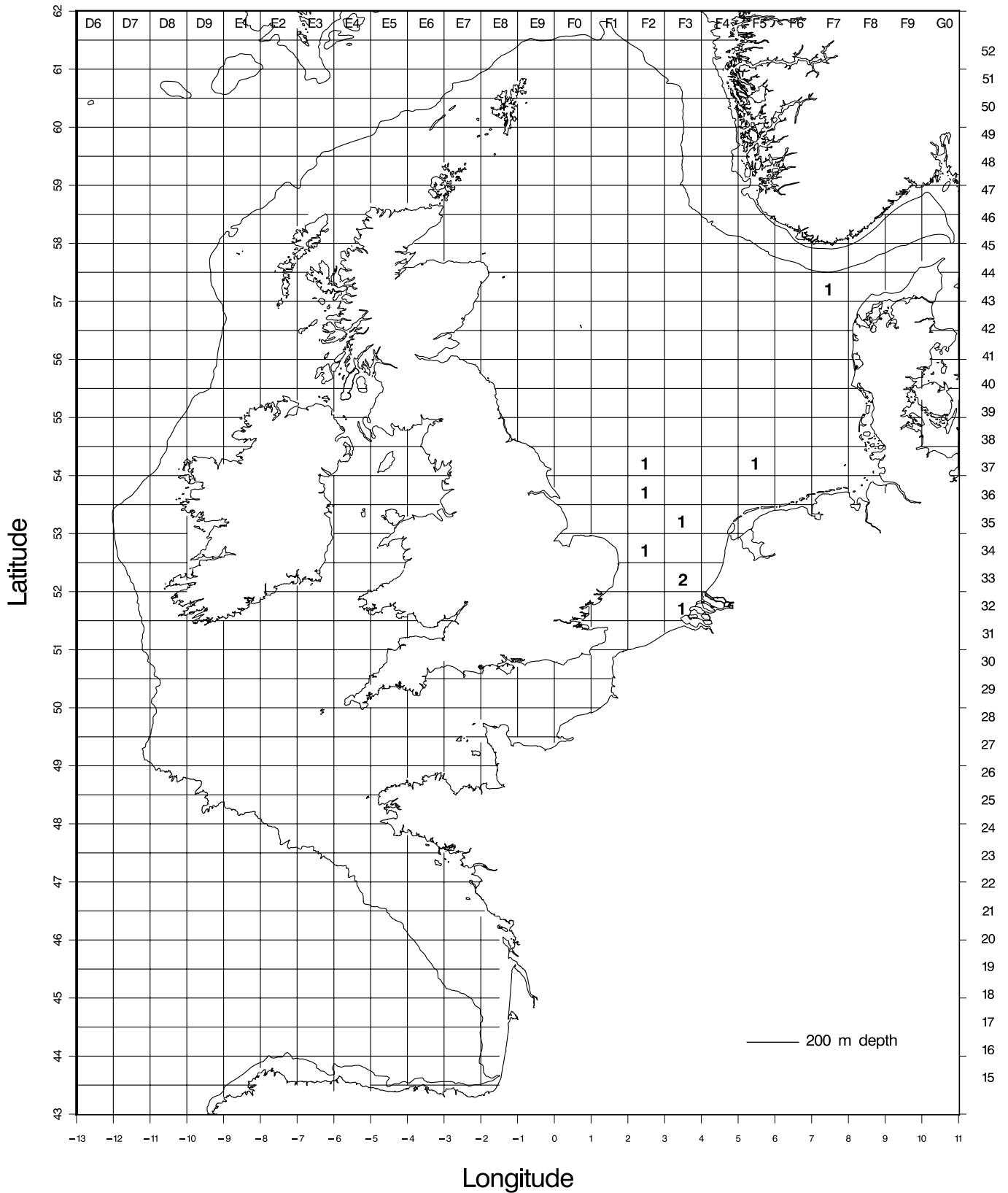


Figure 8f: Cod quarter 2 2006

Number of length samples of commercial catches per ICES rectangle

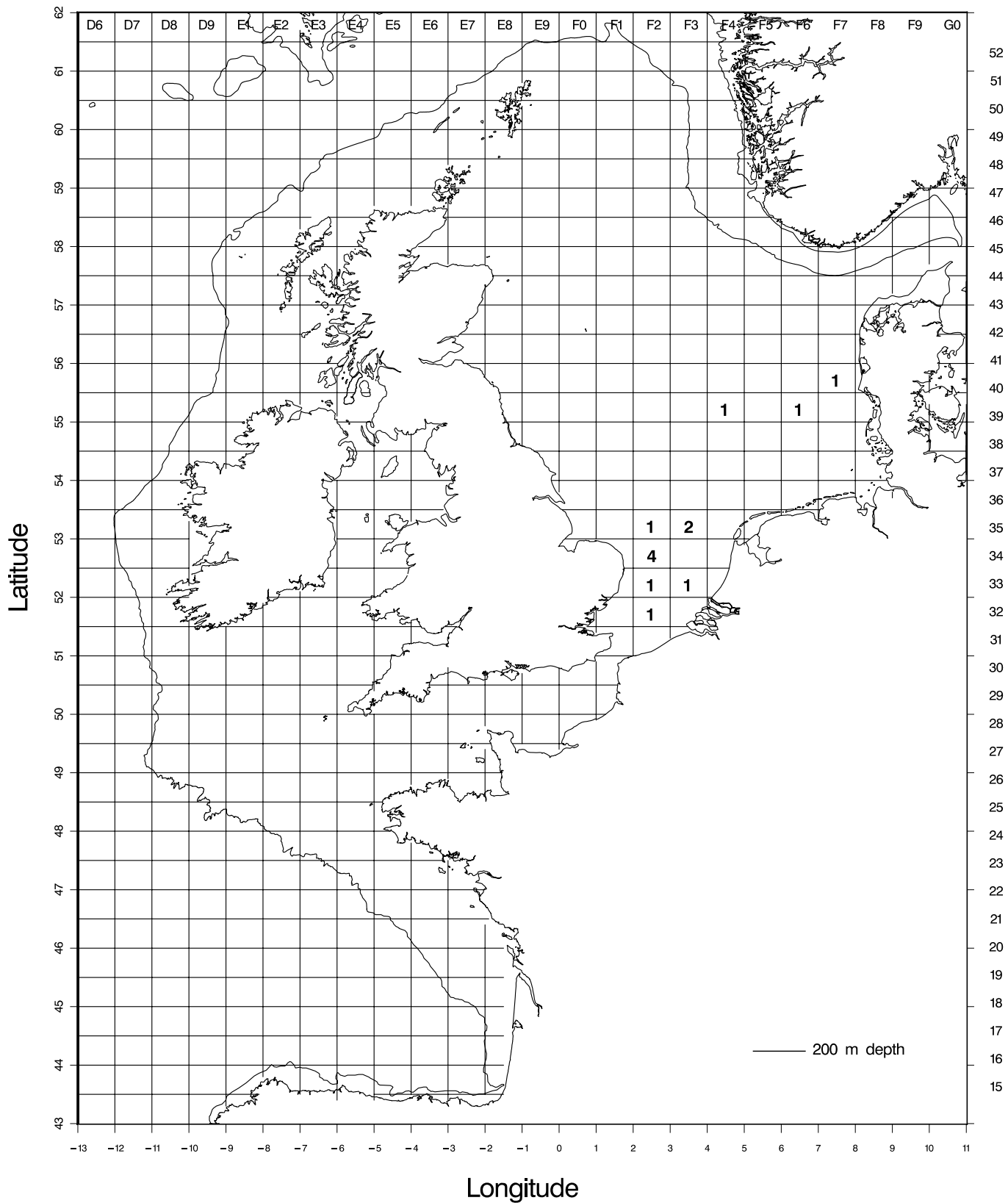


Figure 8h: Cod quarter 4 2006

Number of length samples of commercial catches per ICES rectangle

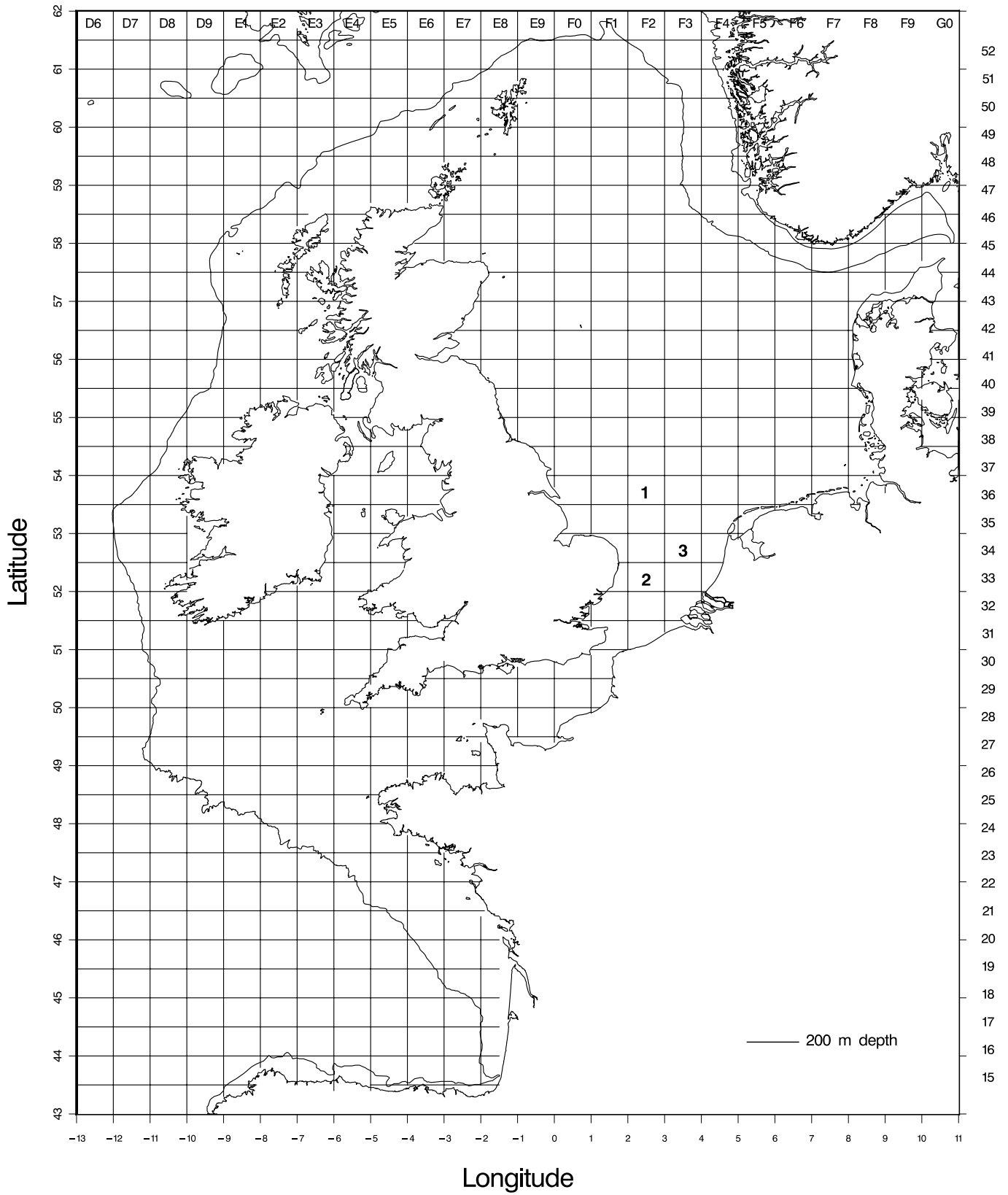


Figure 9a: Whiting quarter 1 2006

Number of age samples of commercial catches per ICES rectangle

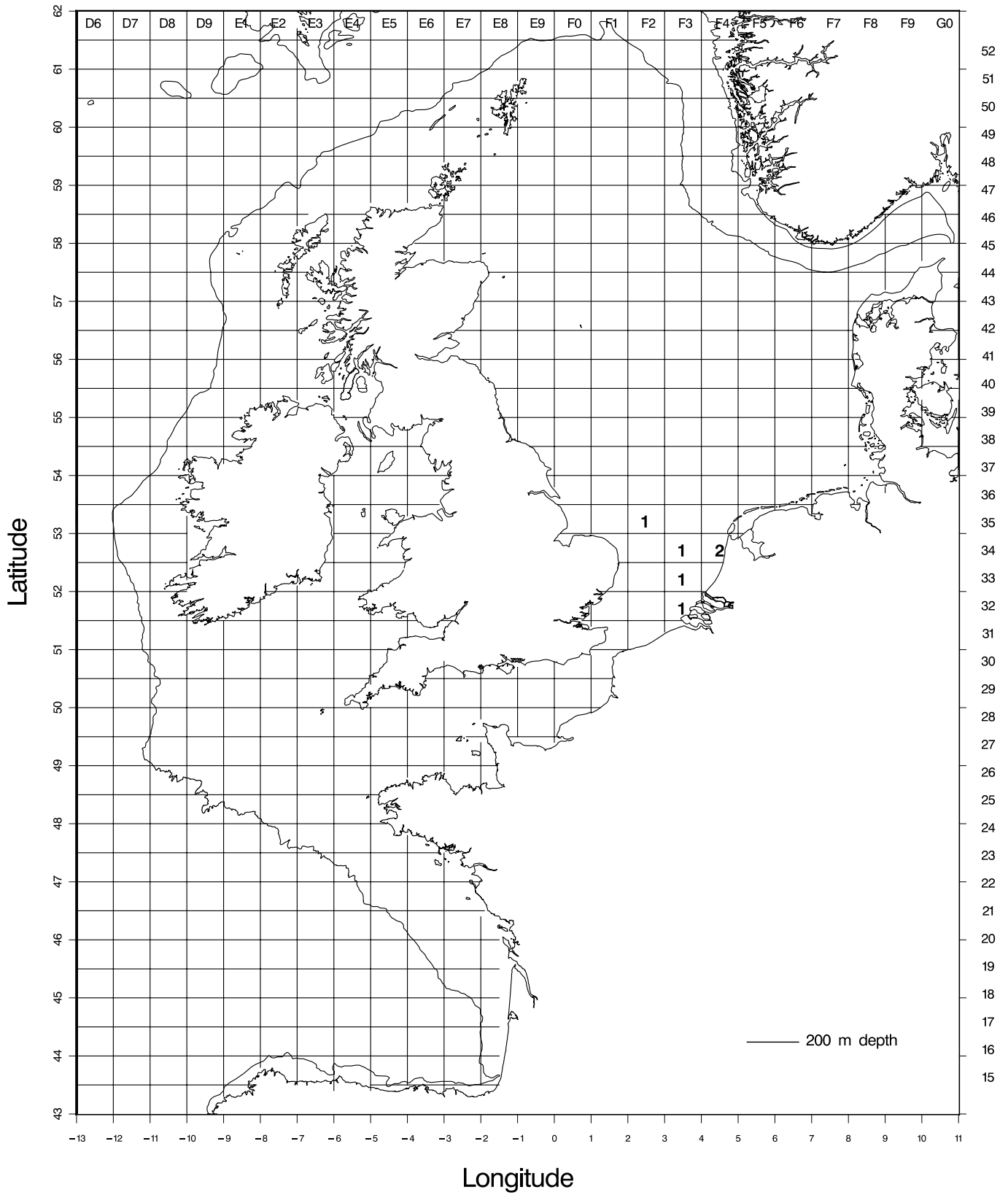


Figure 9b: Whiting quarter 2 2006

Number of age samples of commercial catches per ICES rectangle

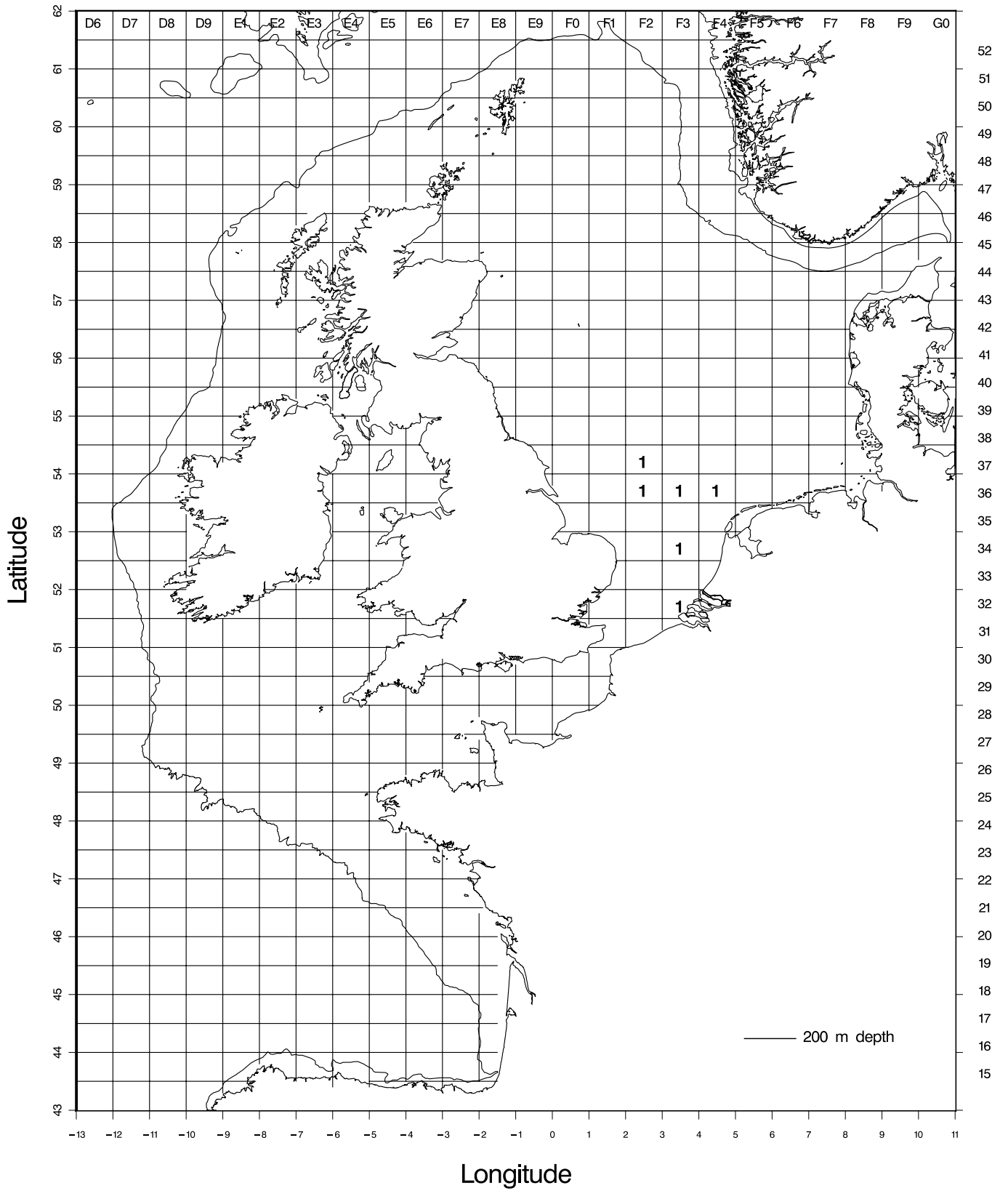


Figure 9c: Whiting quarter 3 2006
 Number of age samples of commercial catches per ICES rectangle

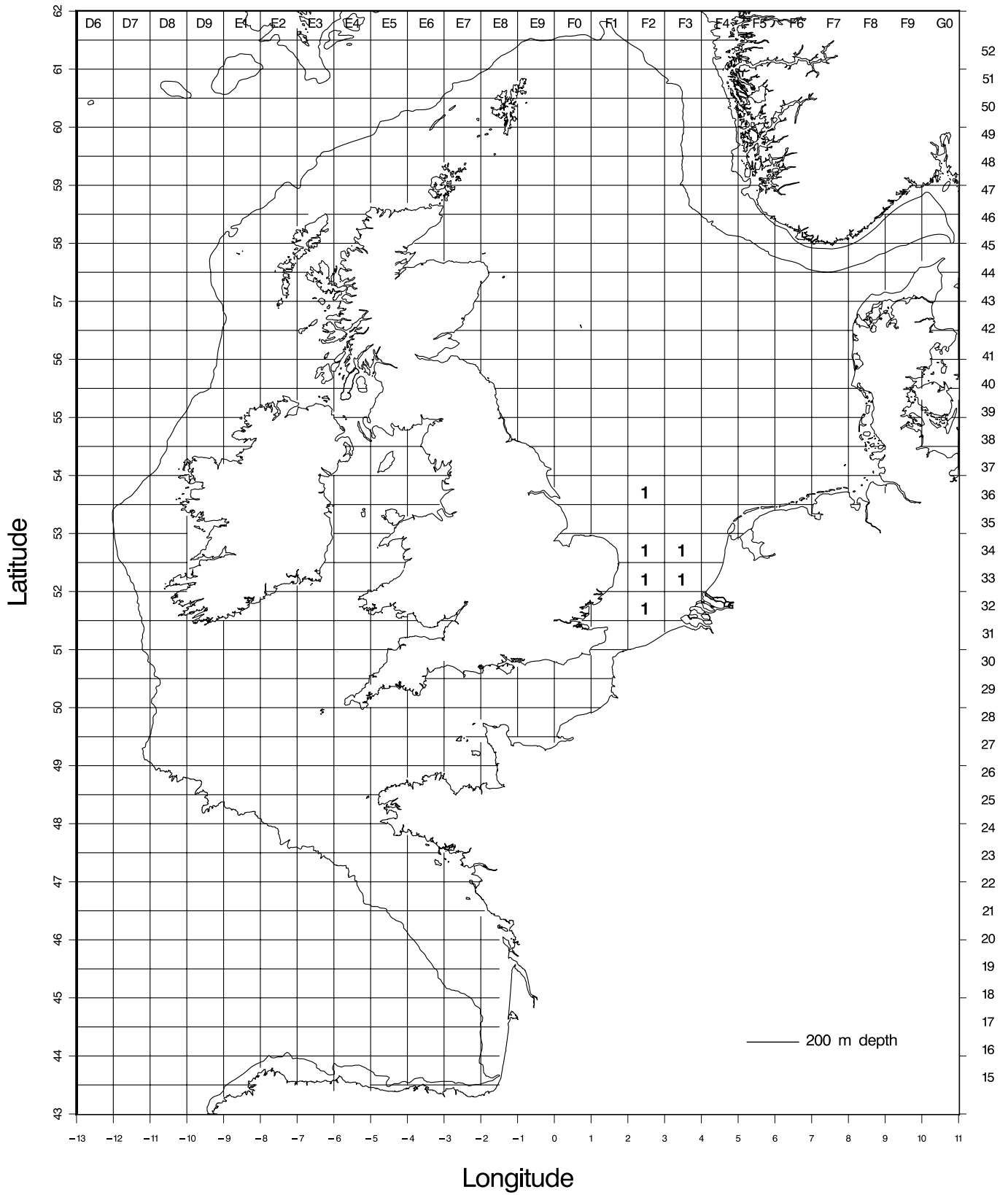


Figure 9d: Whiting quarter 4 2006

Number of age samples of commercial catches per ICES rectangle

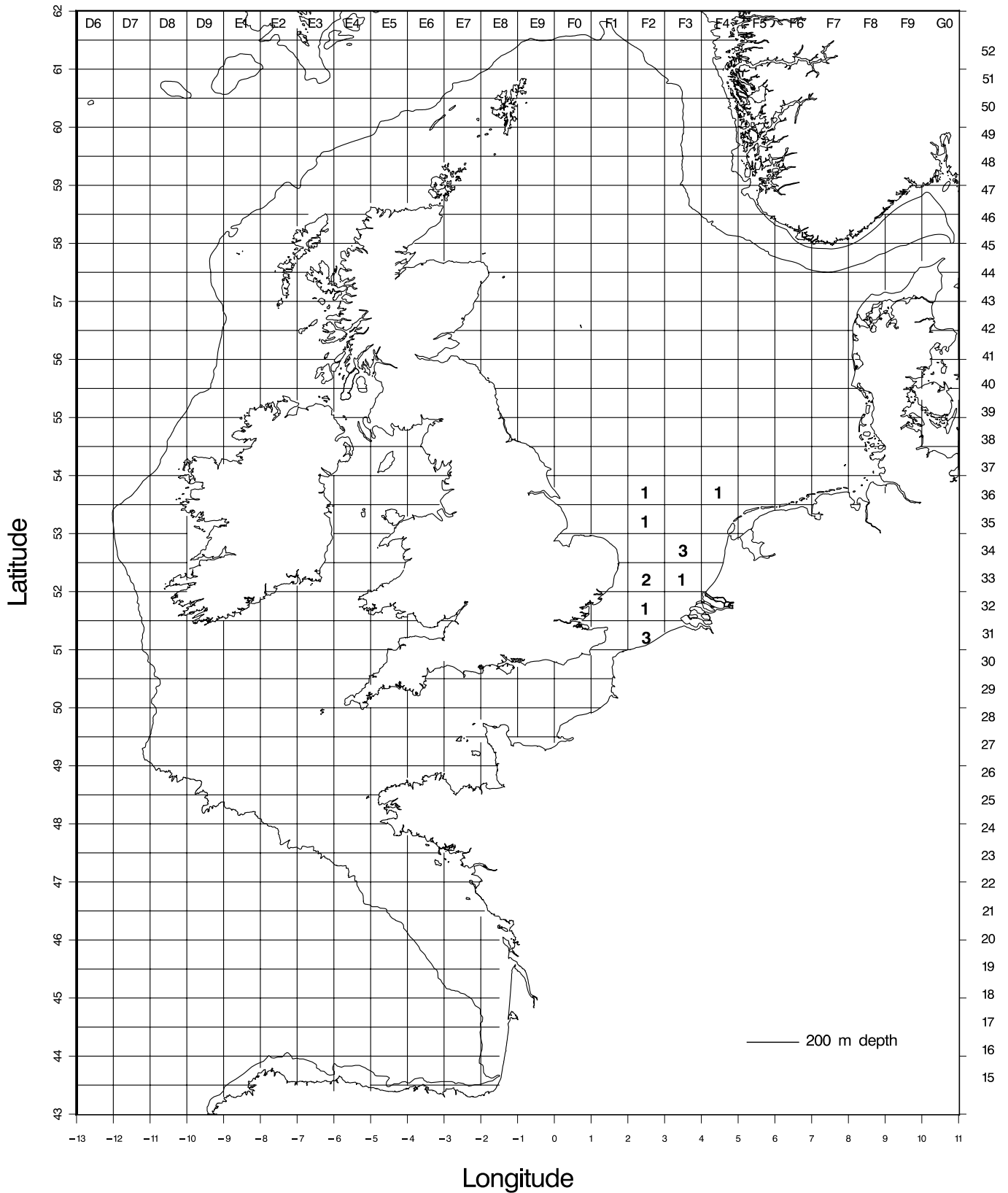


Figure 9e: Whiting quarter 1 2006

Number of length samples of commercial catches per ICES rectangle

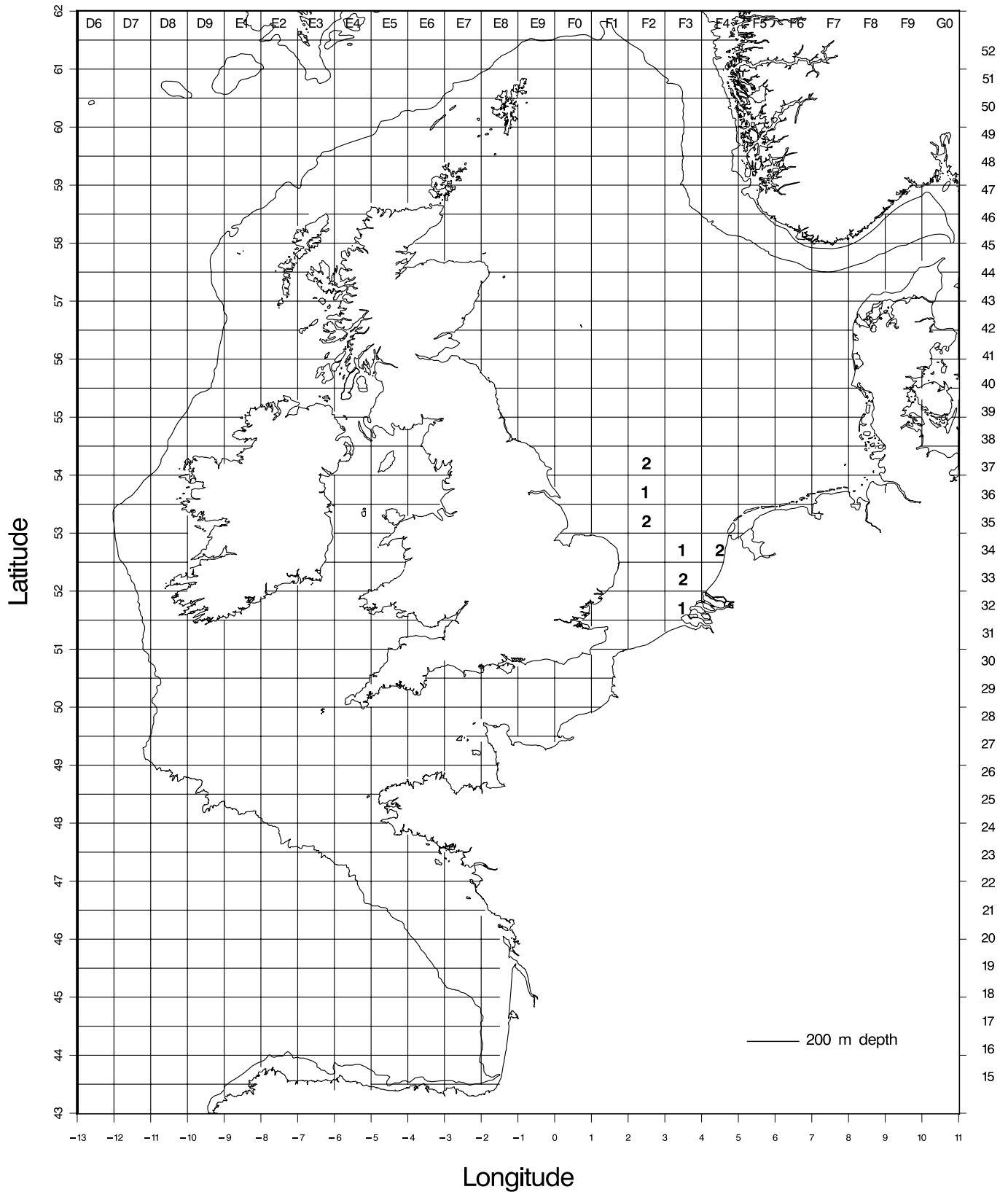


Figure 9f: Whiting quarter 2 2006

Number of length samples of commercial catches per ICES rectangle

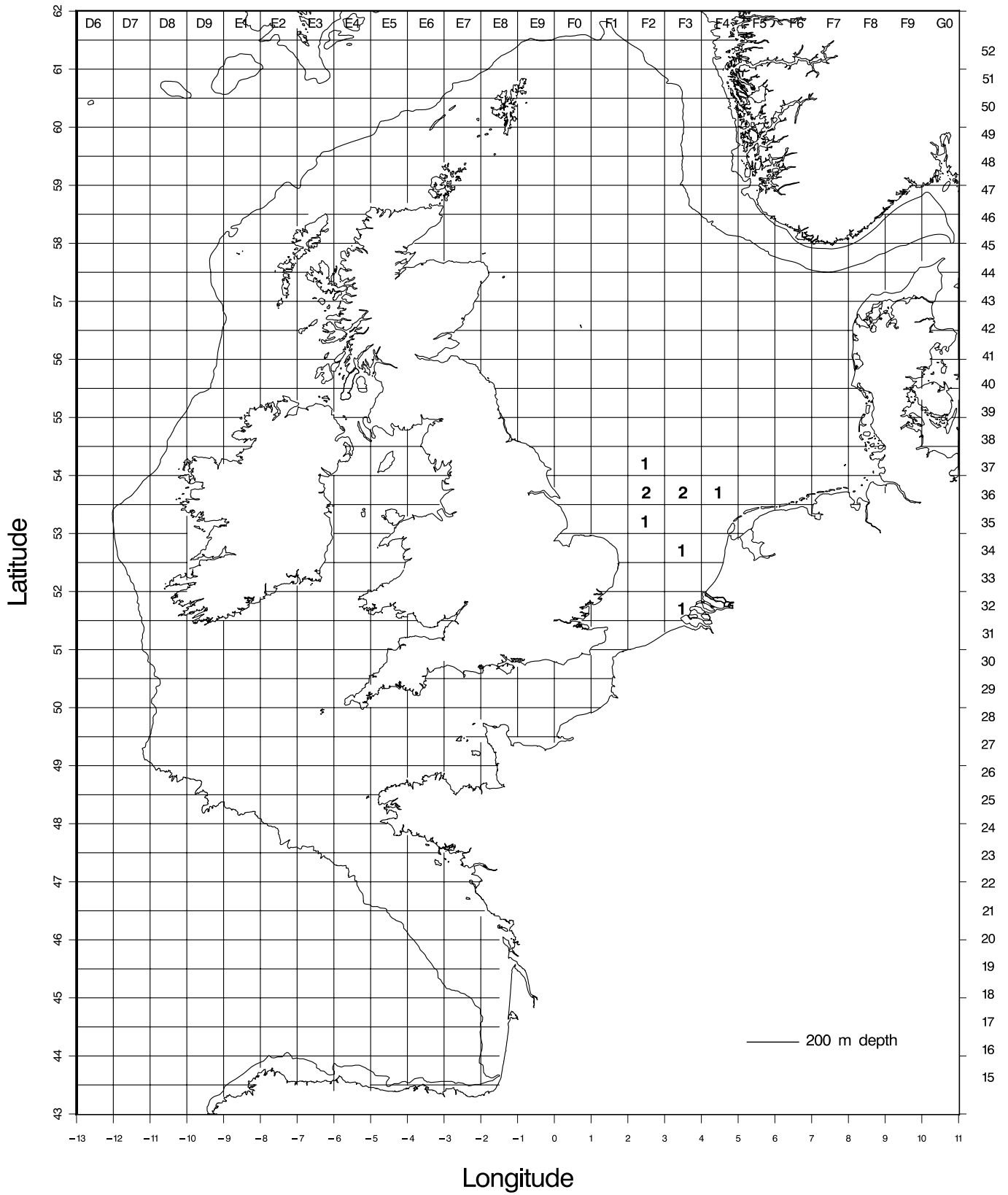


Figure 9g: Whiting quarter 3 2006

Number of length samples of commercial catches per ICES rectangle

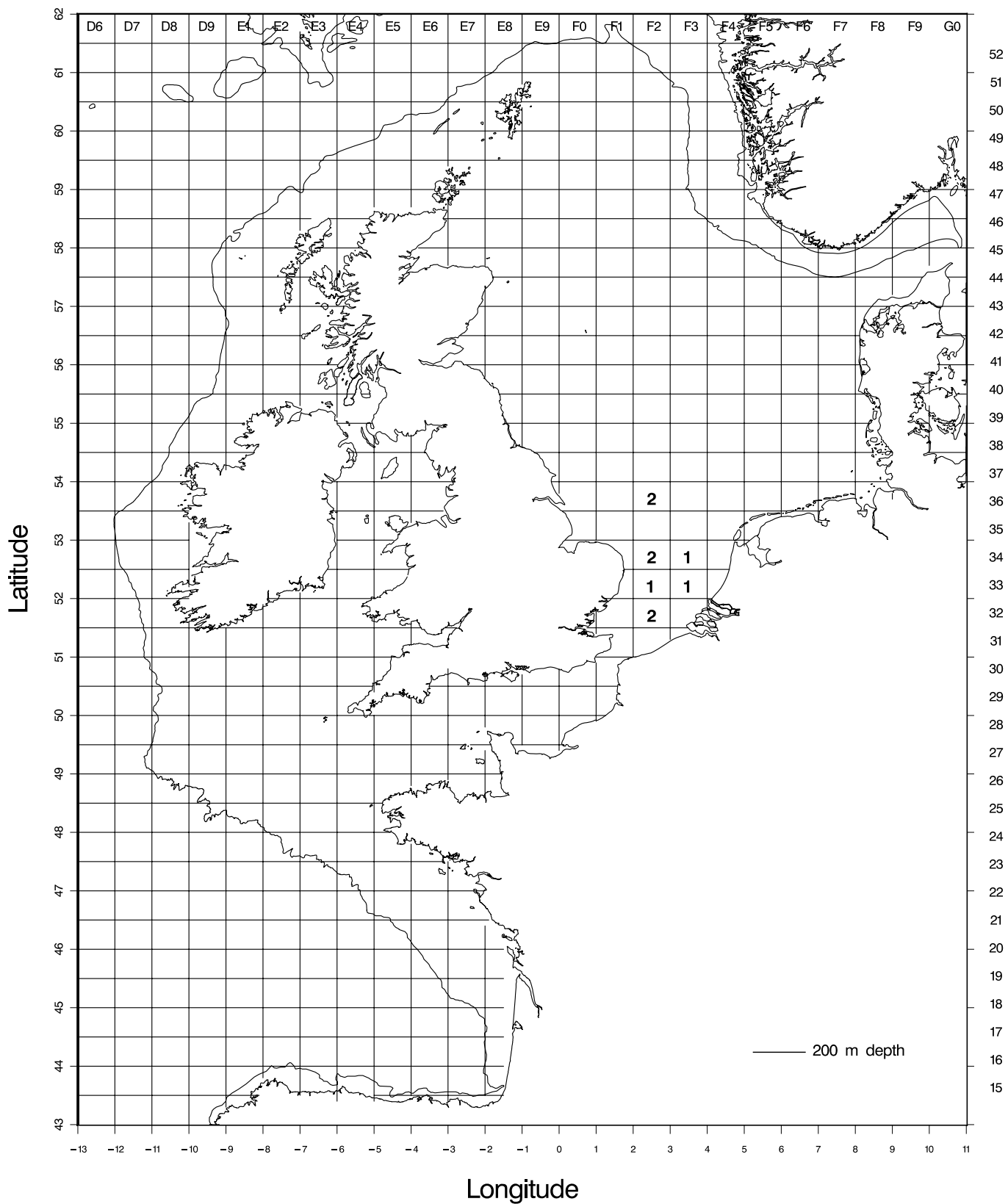


Figure 9h: Whiting quarter 4 2006

Number of length samples of commercial catches per ICES rectangle

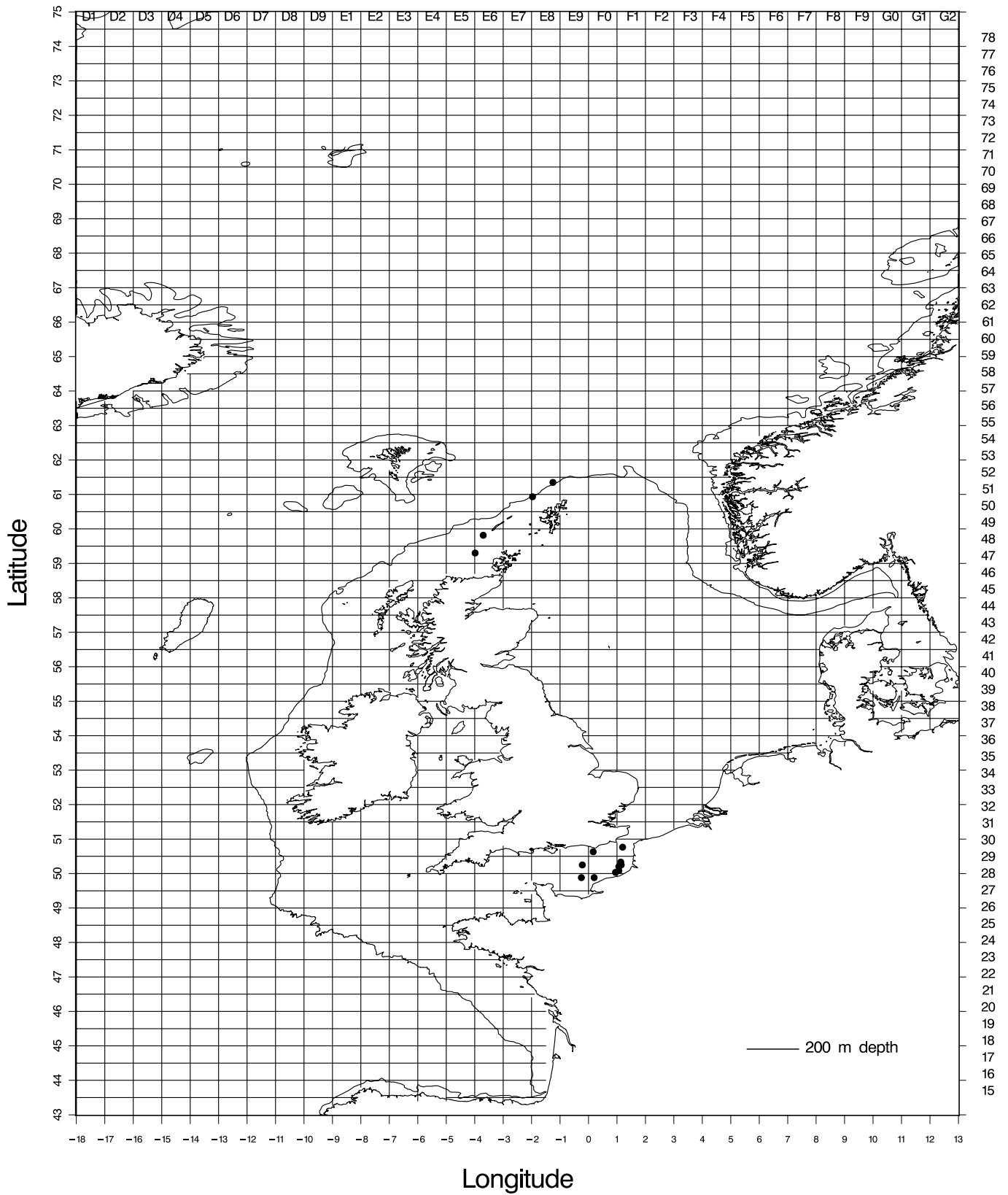


Figure 10a: Herring quarter 1 2006
Positions of age/length samples of commercial catches

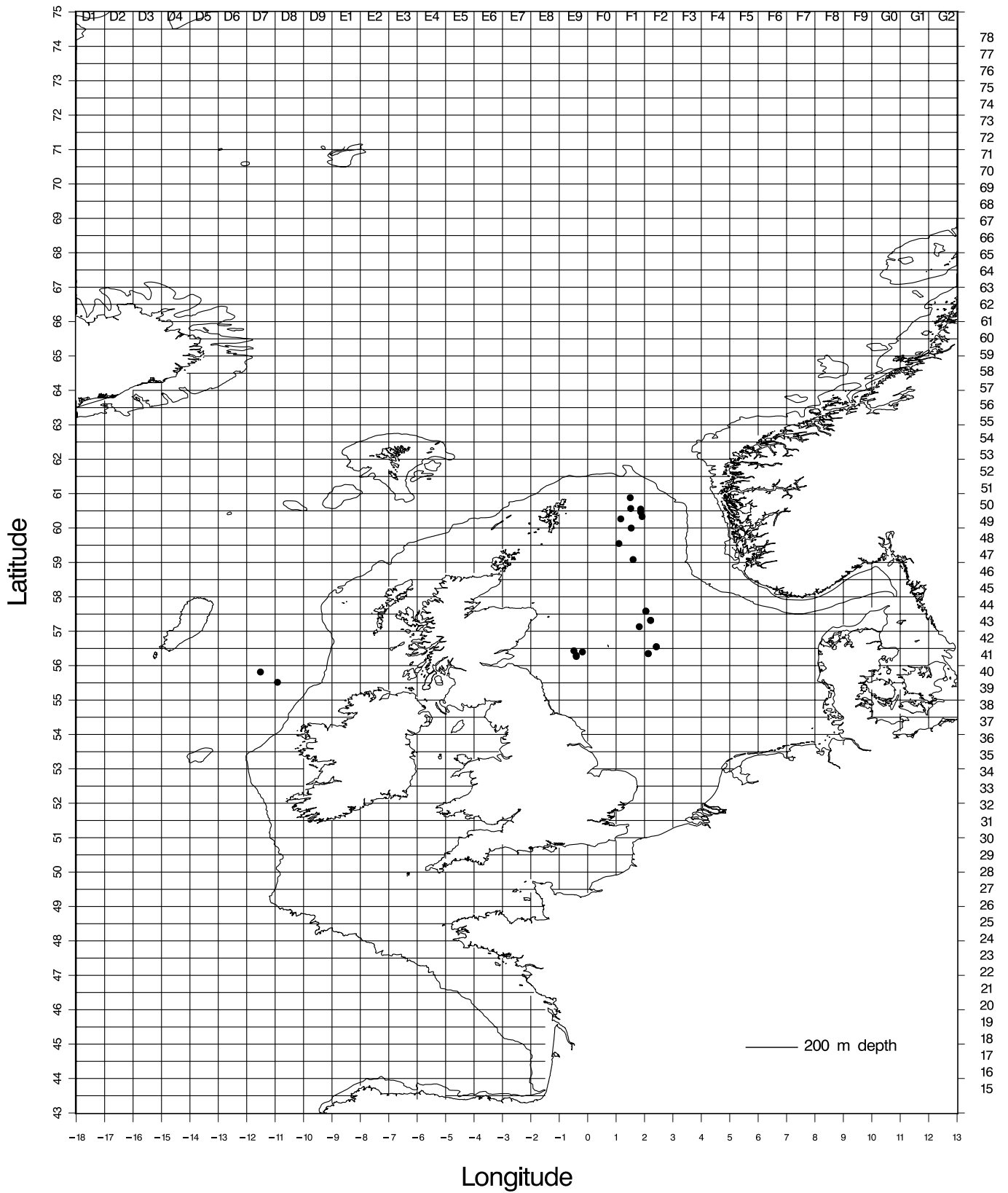


Figure 10b: Herring quarter 2 2006
Positions of age/length samples of commercial catches

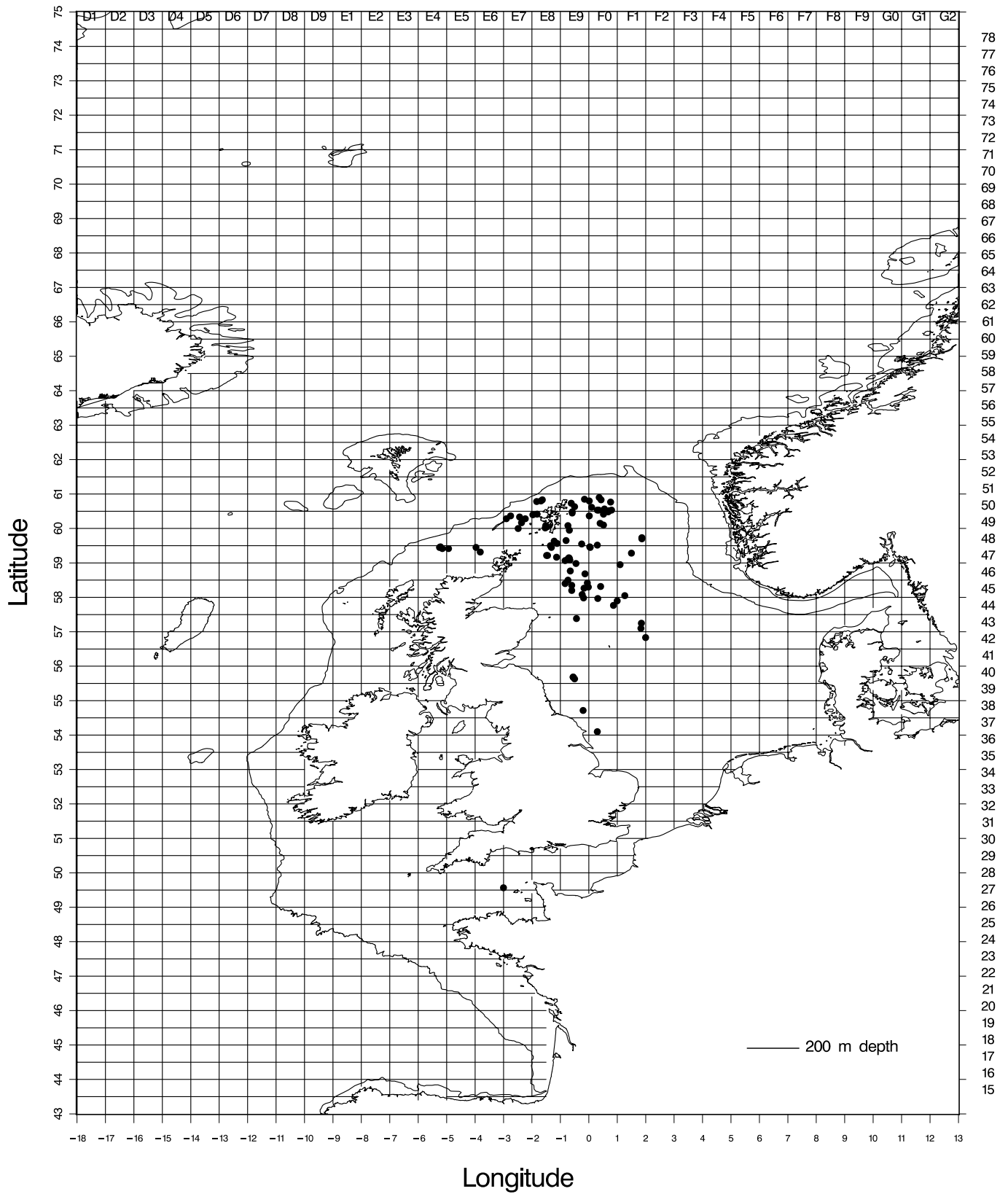


Figure 10c: Herring quarter 3 2006
Positions of age/length samples of commercial catches

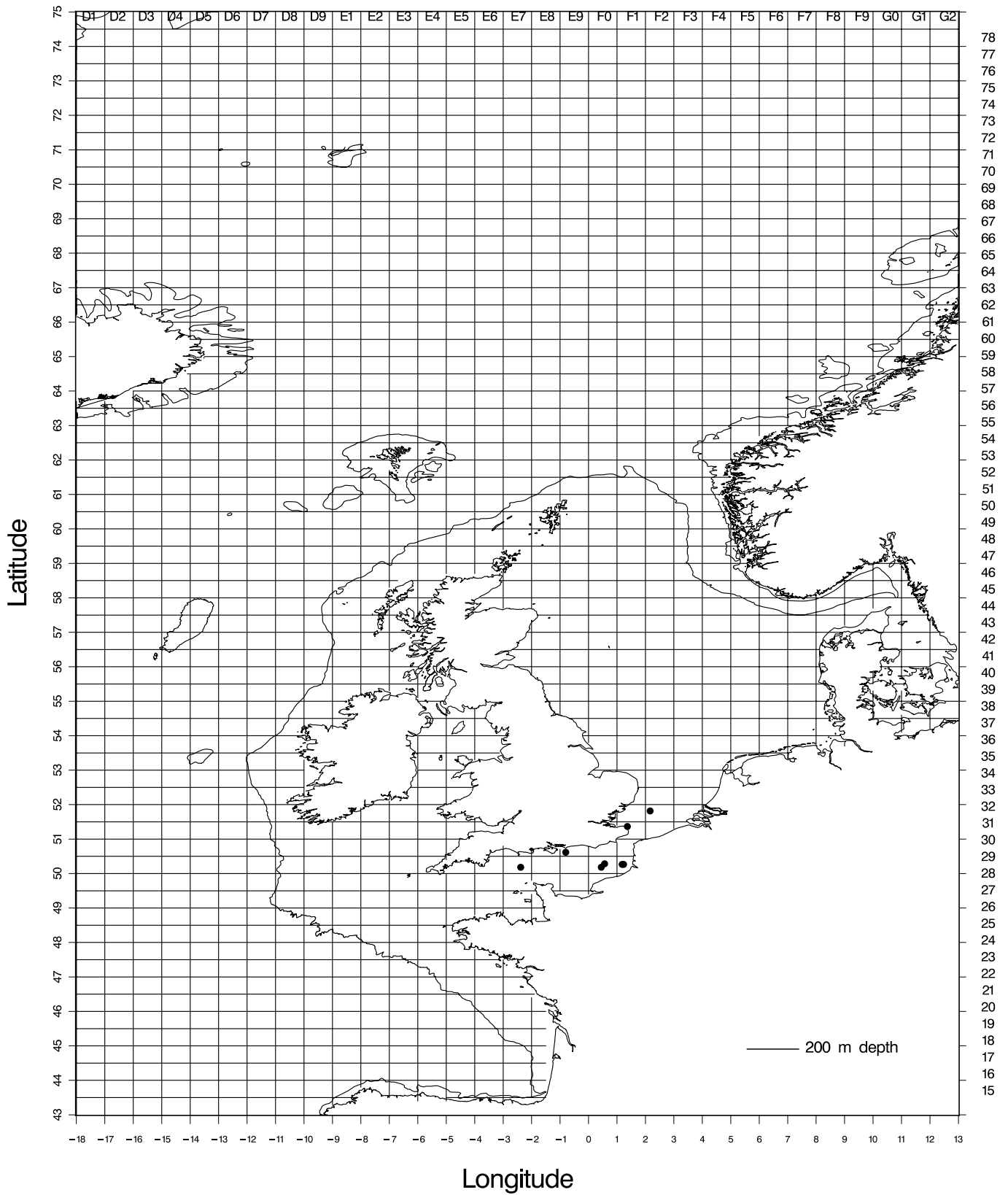


Figure 10d: Herring quarter 4 2006
Positions of age/length samples of commercial catches

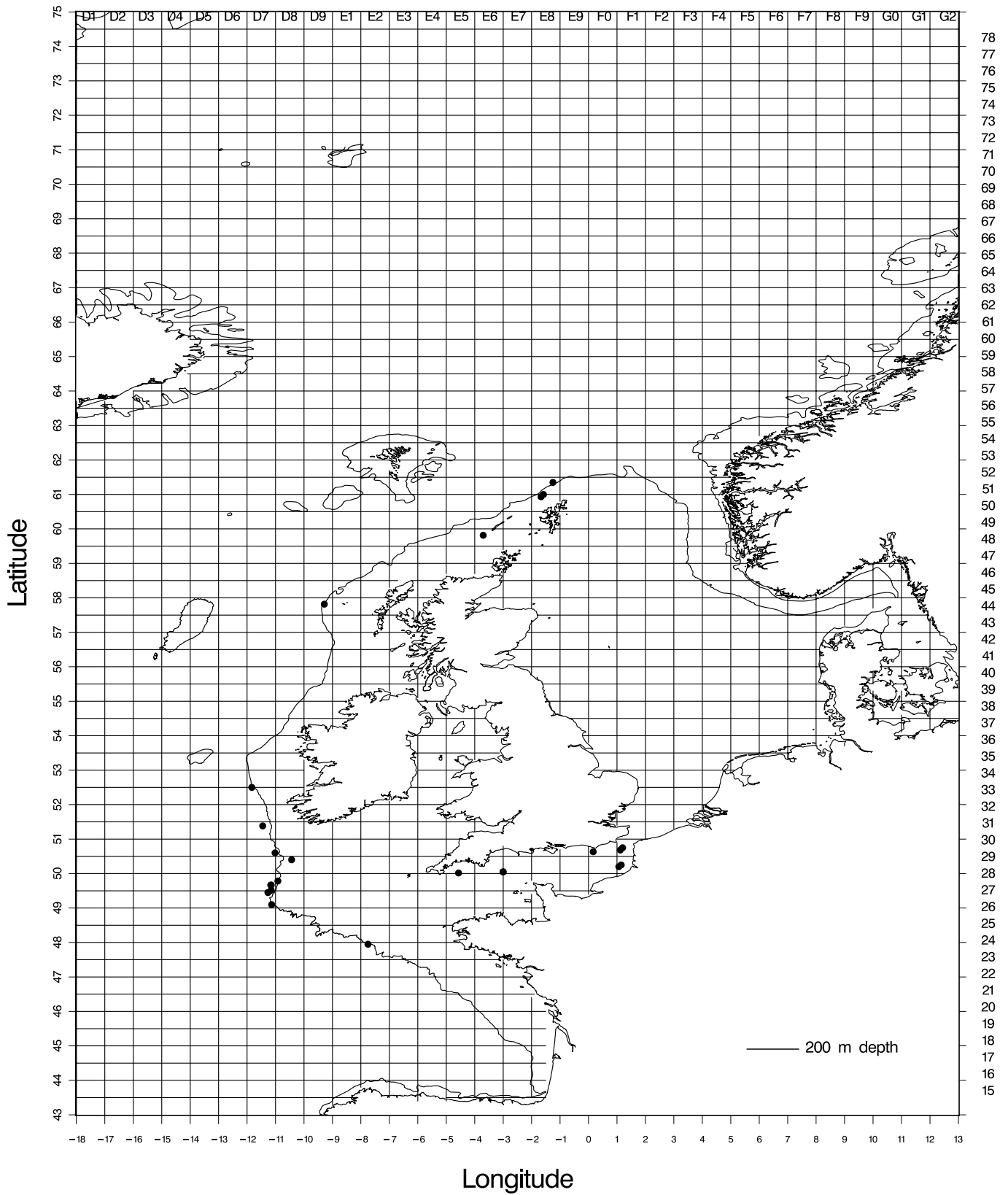


Figure 11a: Mackerel quarter 1 2006
Positions of age/length samples of commercial catches

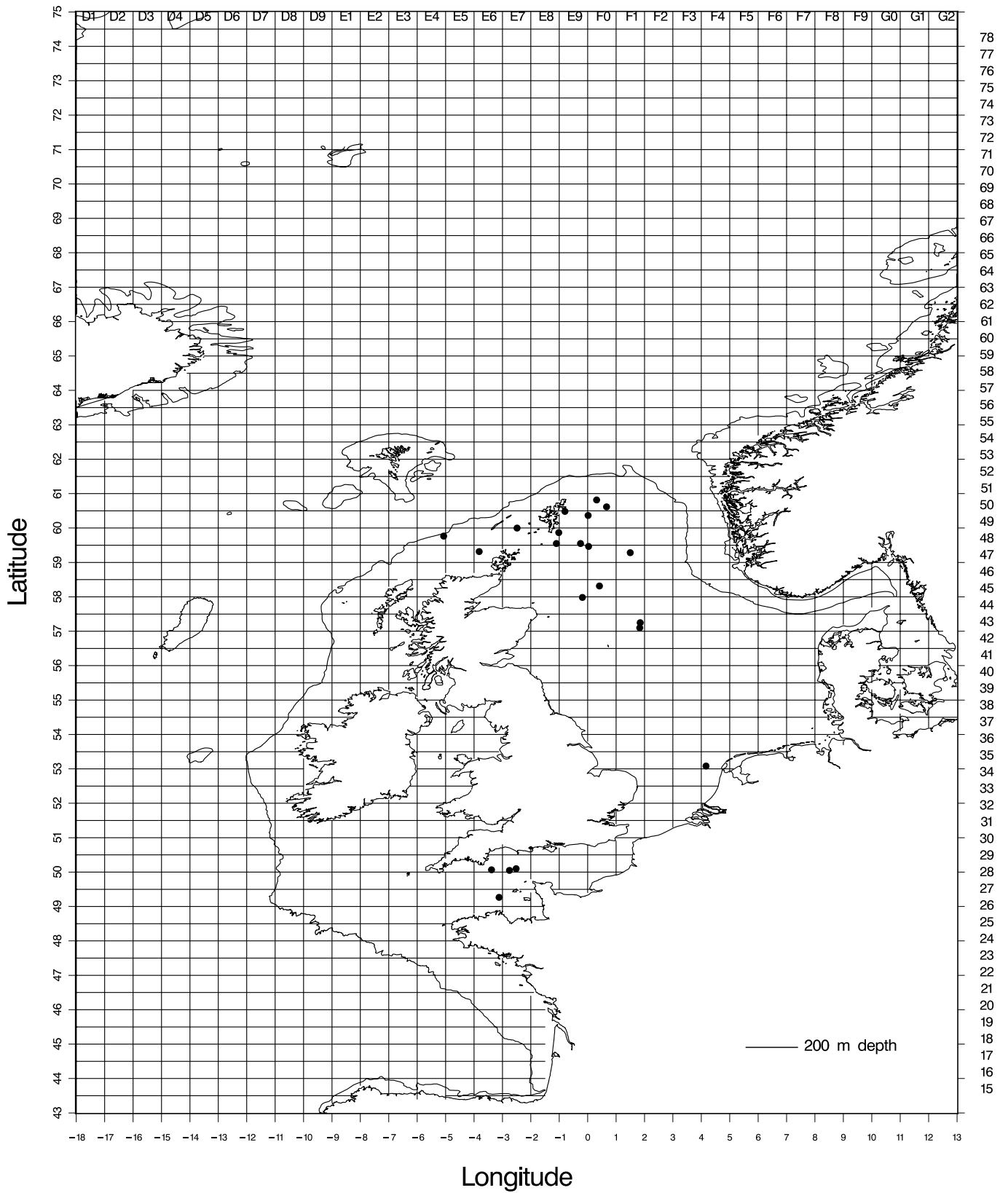


Figure 11c: Mackerel quarter 3 2006
Positions of age/length samples of commercial catches

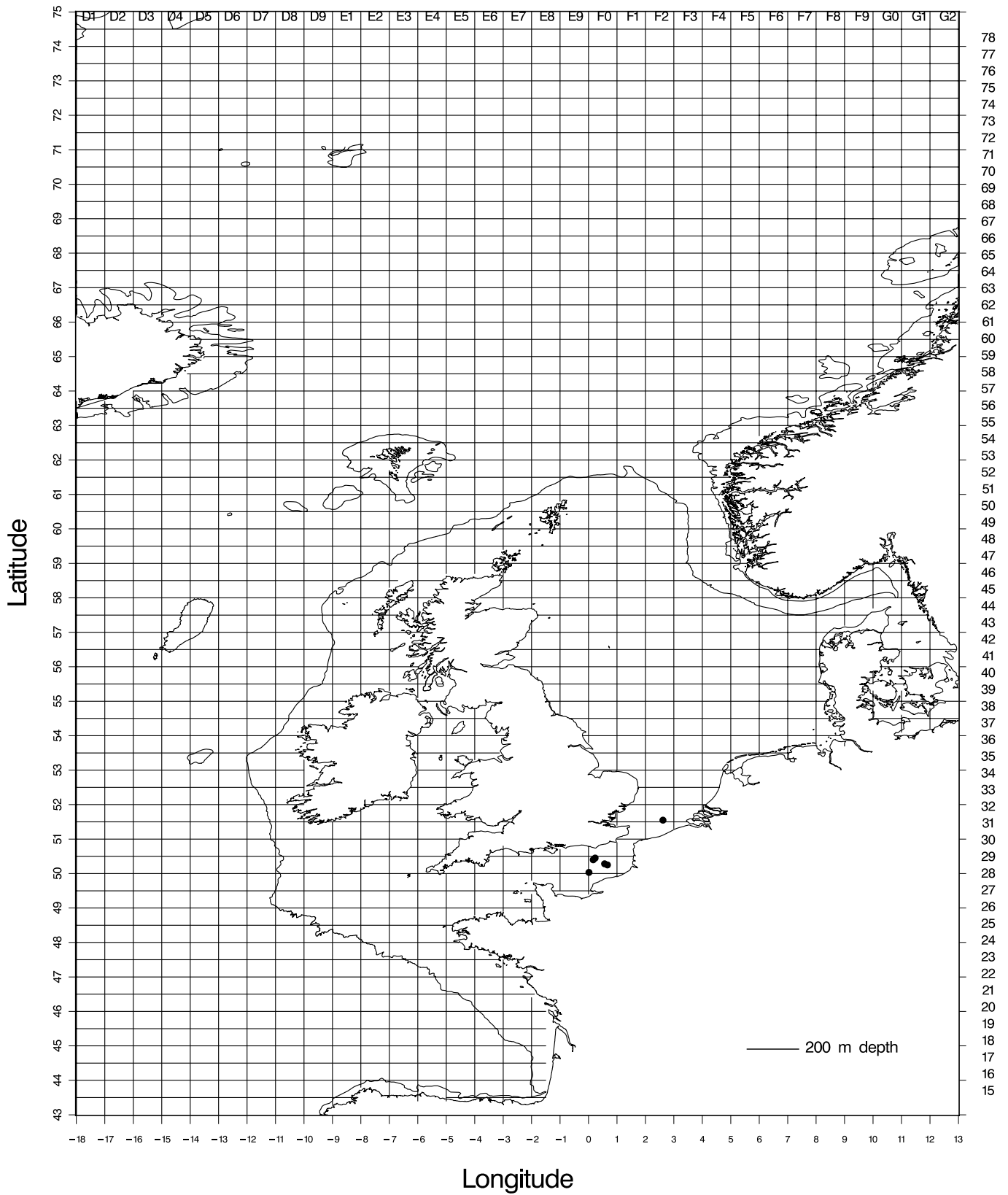


Figure 11d: Mackerel quarter 4 2006
Positions of age/length samples of commercial catches

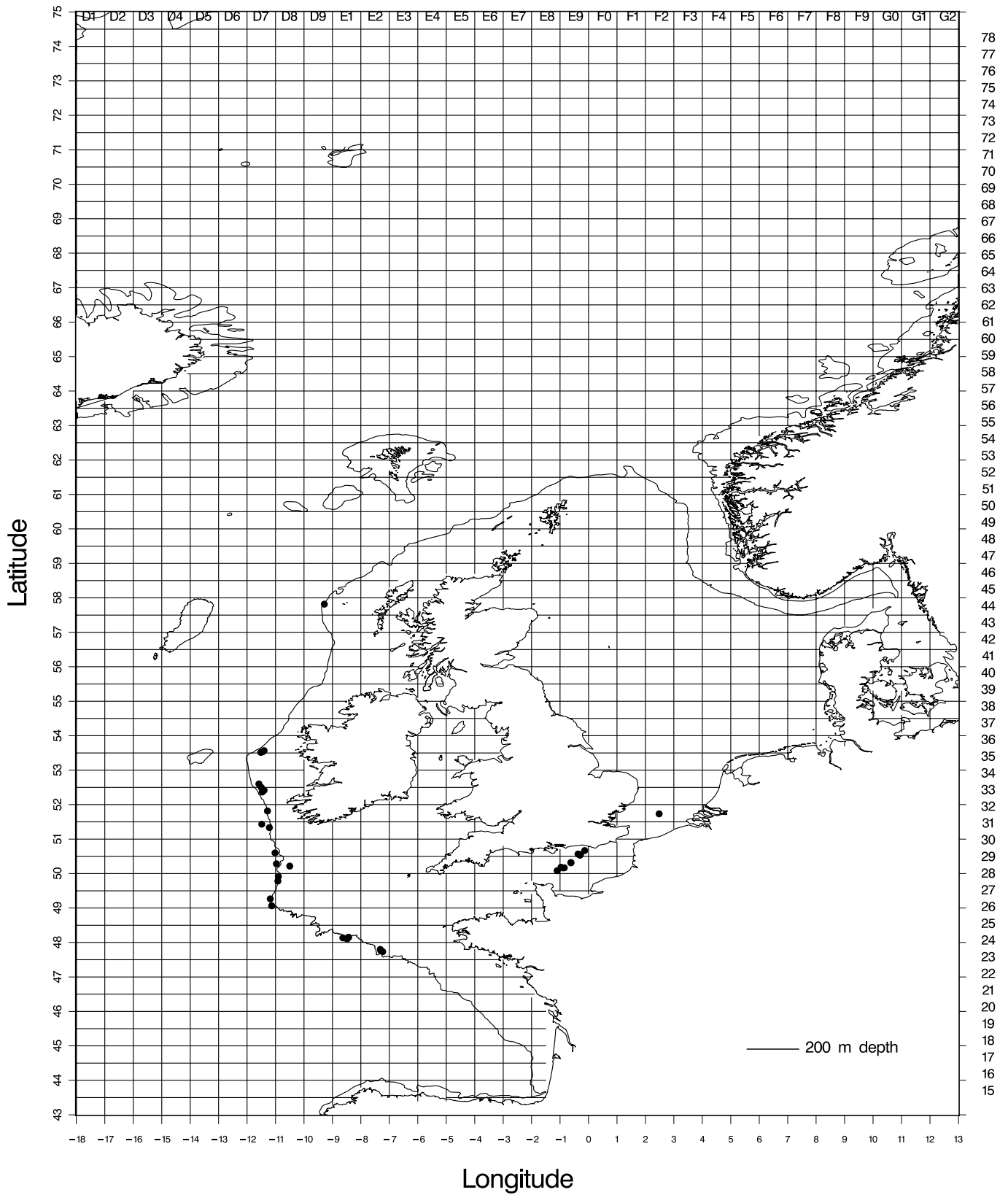


Figure 12a: Horse mackerel quarter 1 2006
Positions of age/length samples of commercial catches

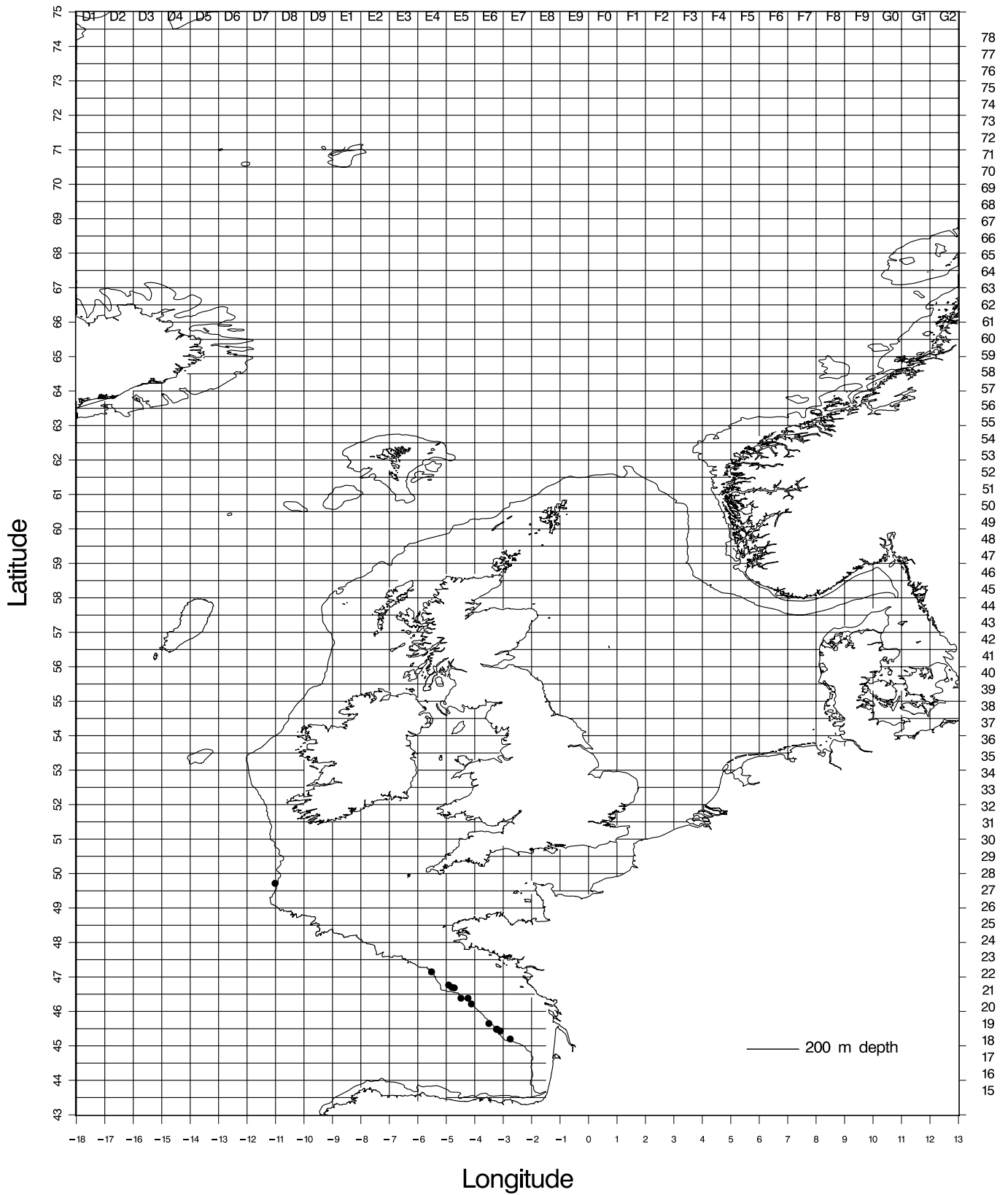


Figure 12b: Horse mackerel quarter 2 2006
Positions of age/length samples of commercial catches

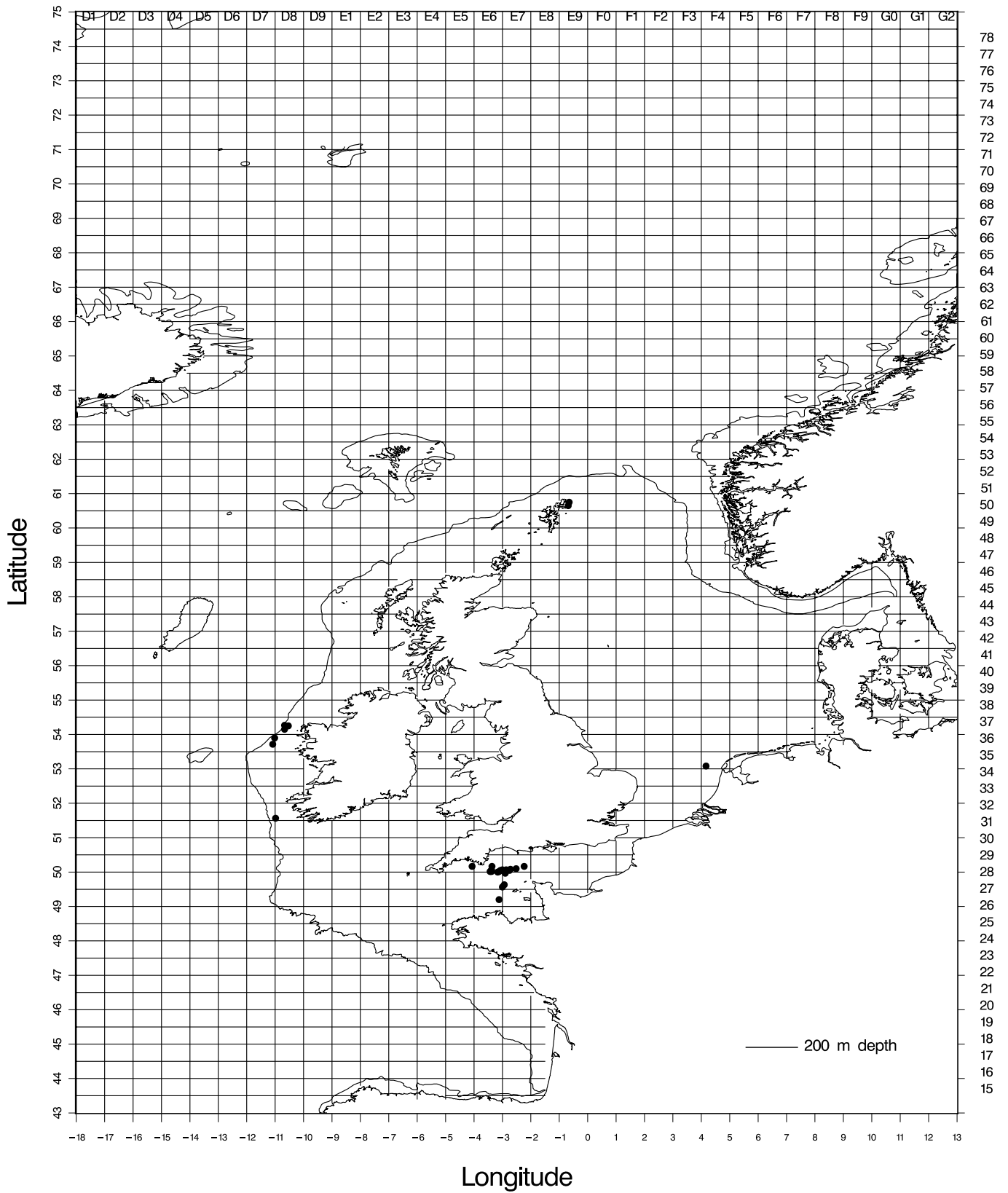


Figure 12c: Horse mackerel quarter 3 2006
Positions of age/length samples of commercial catches

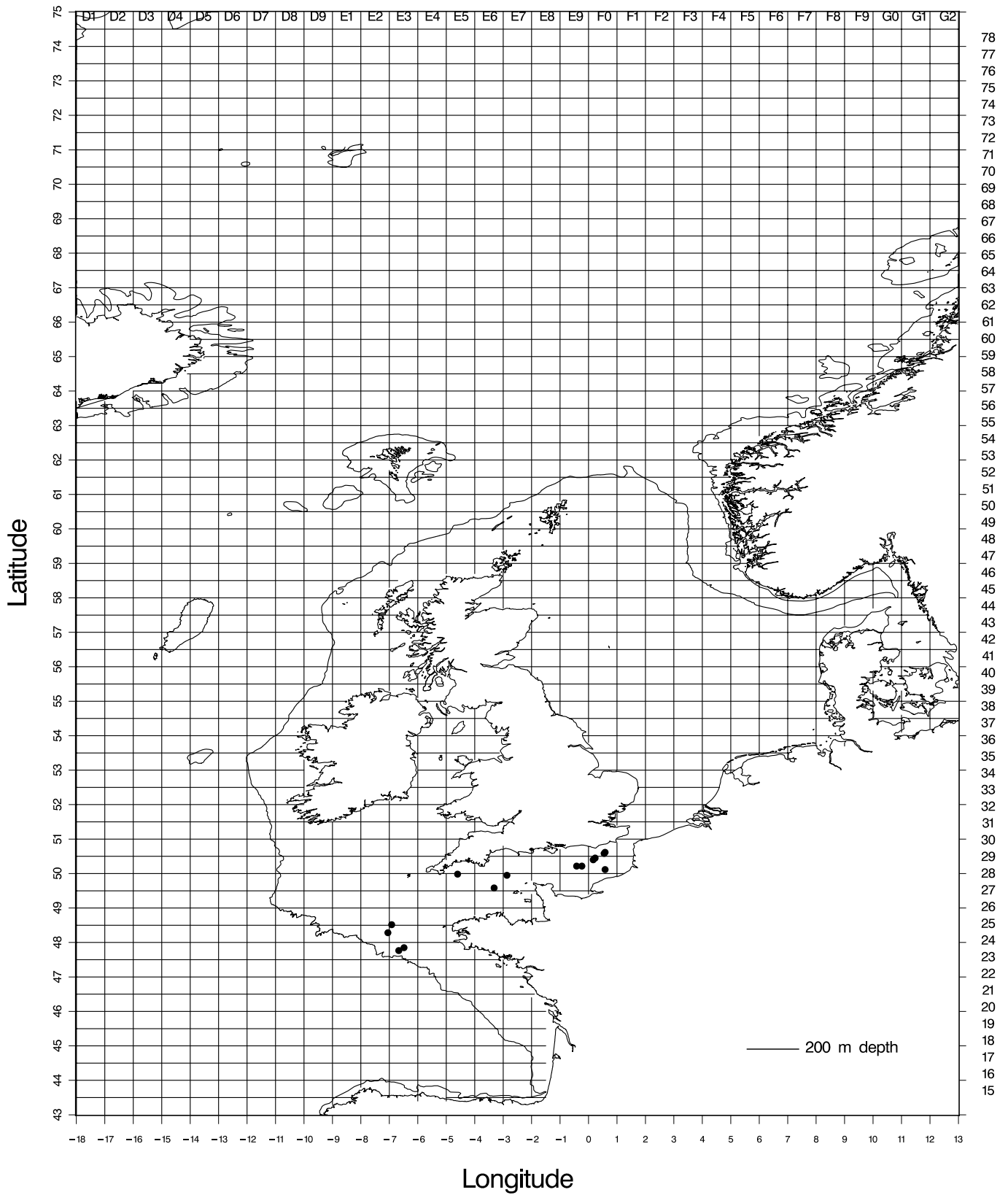


Figure 12d: Horse mackerel quarter 4 2006
Positions of age/length samples of commercial catches

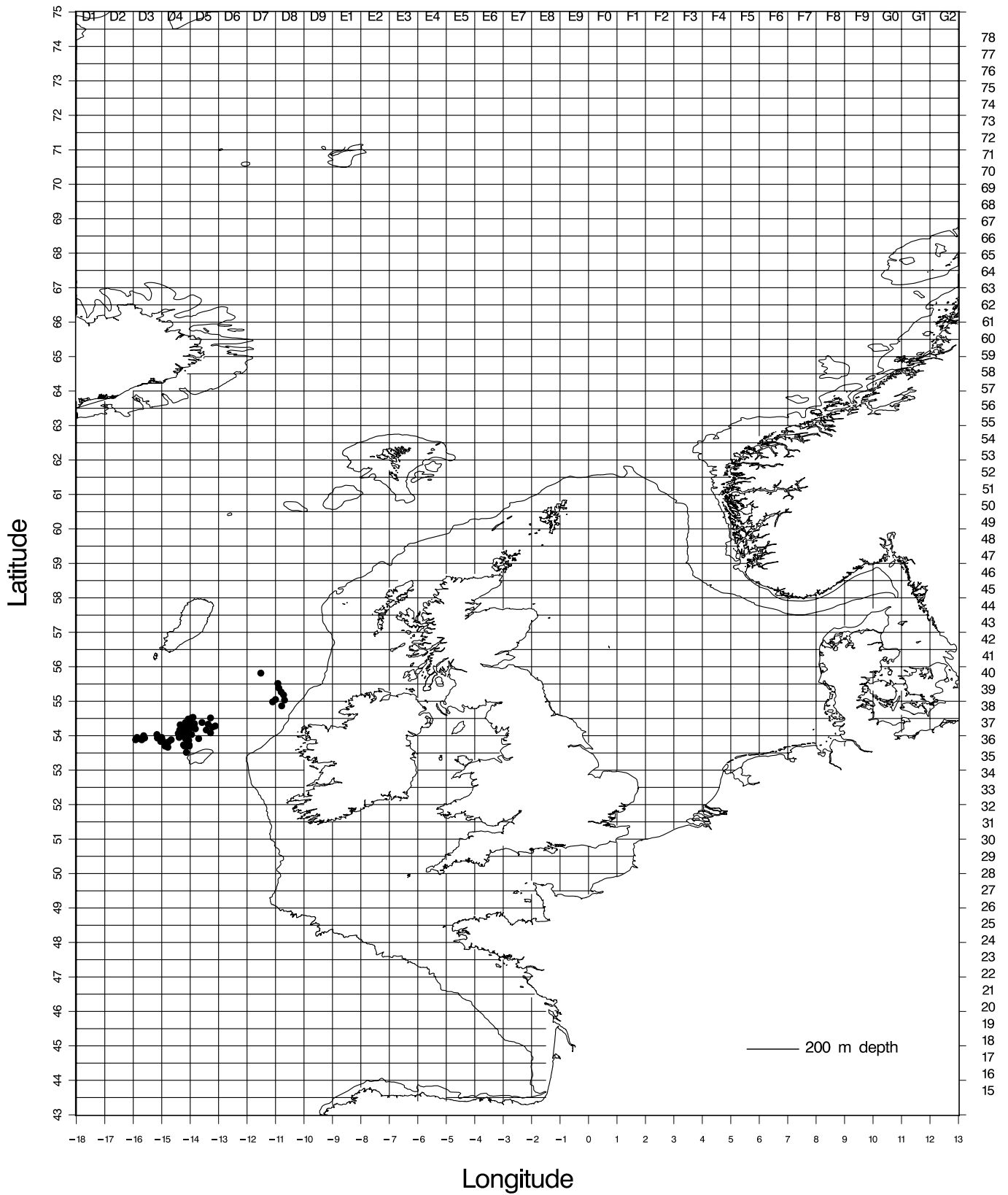


Figure 13a: Blue whiting quarter 1 2006
Positions of age/length samples of commercial catches

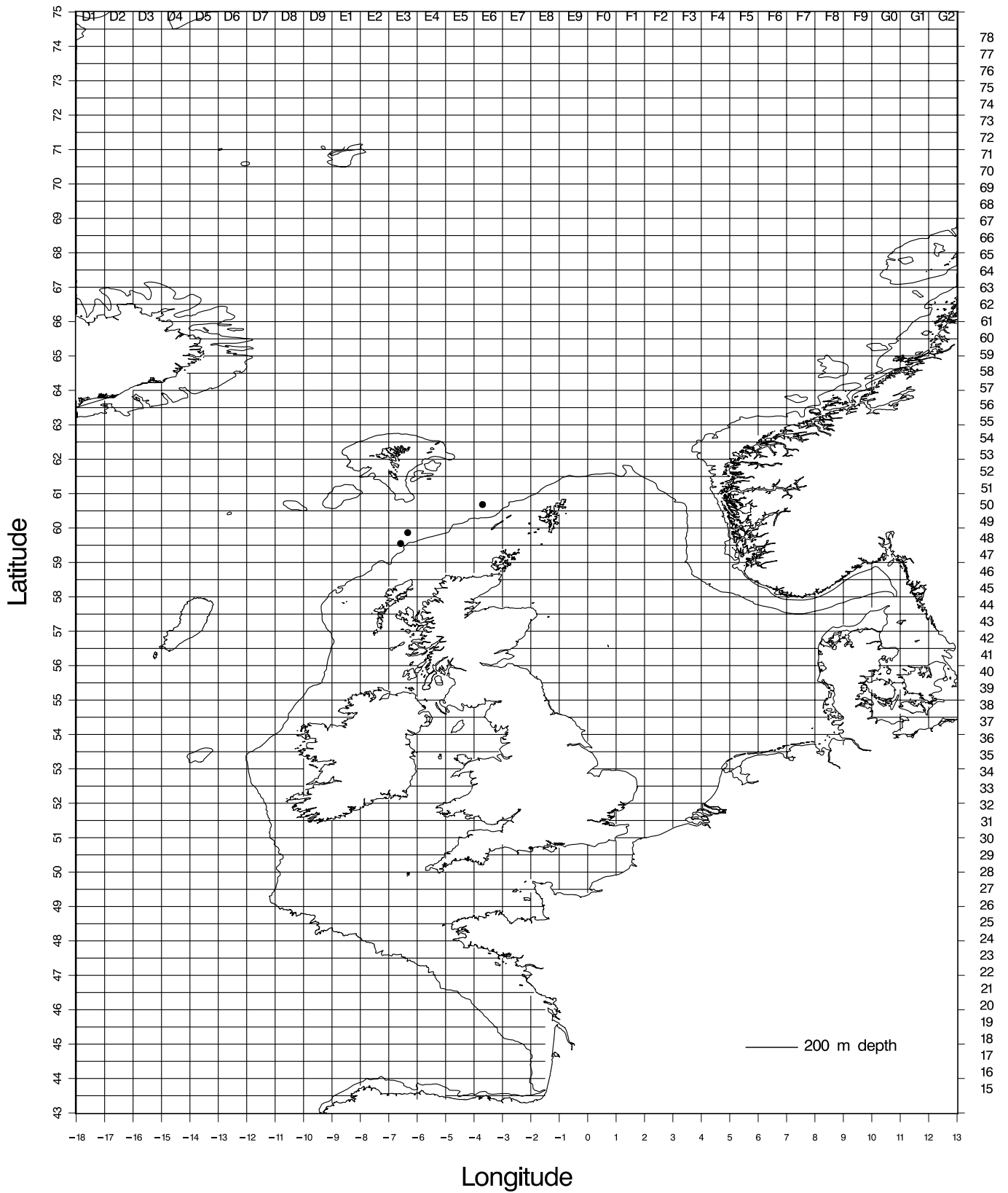


Figure 13b: Blue whiting quarter 2 2006
Positions of age/length samples of commercial catches

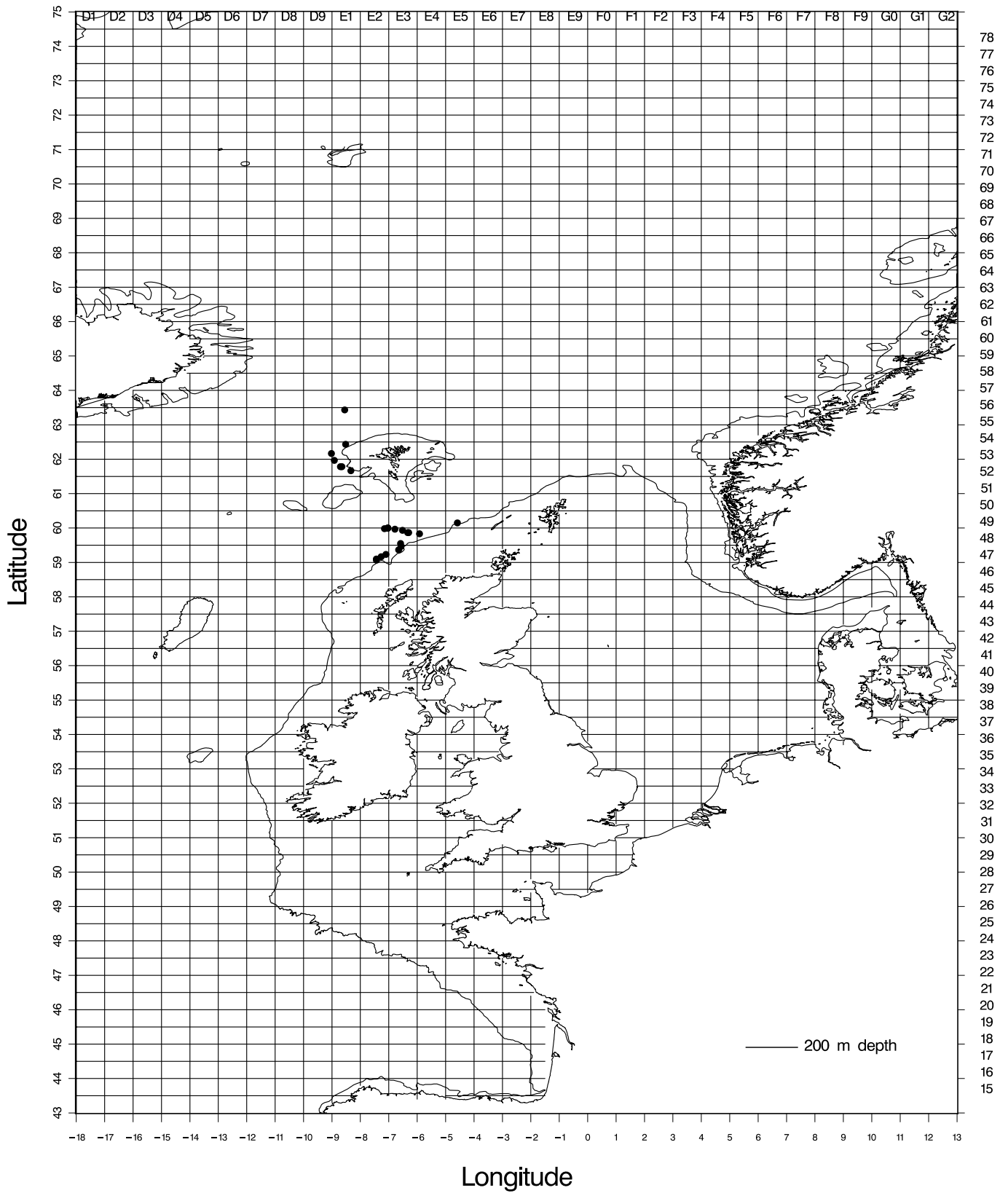


Figure 14b: Greater argentine quarter 2006
Positions of age/length samples of commercial catches

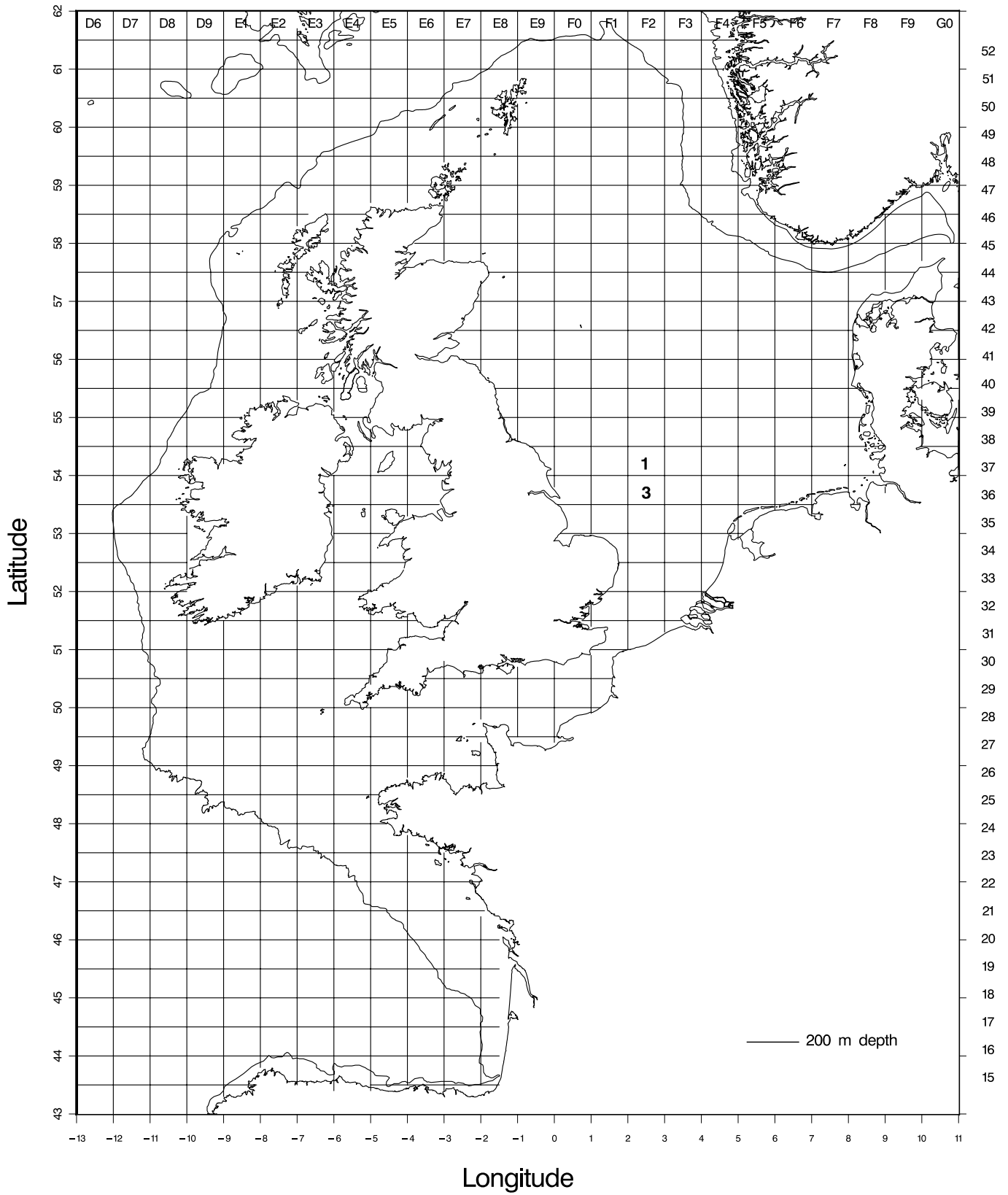


Figure 15a: Nephrops quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

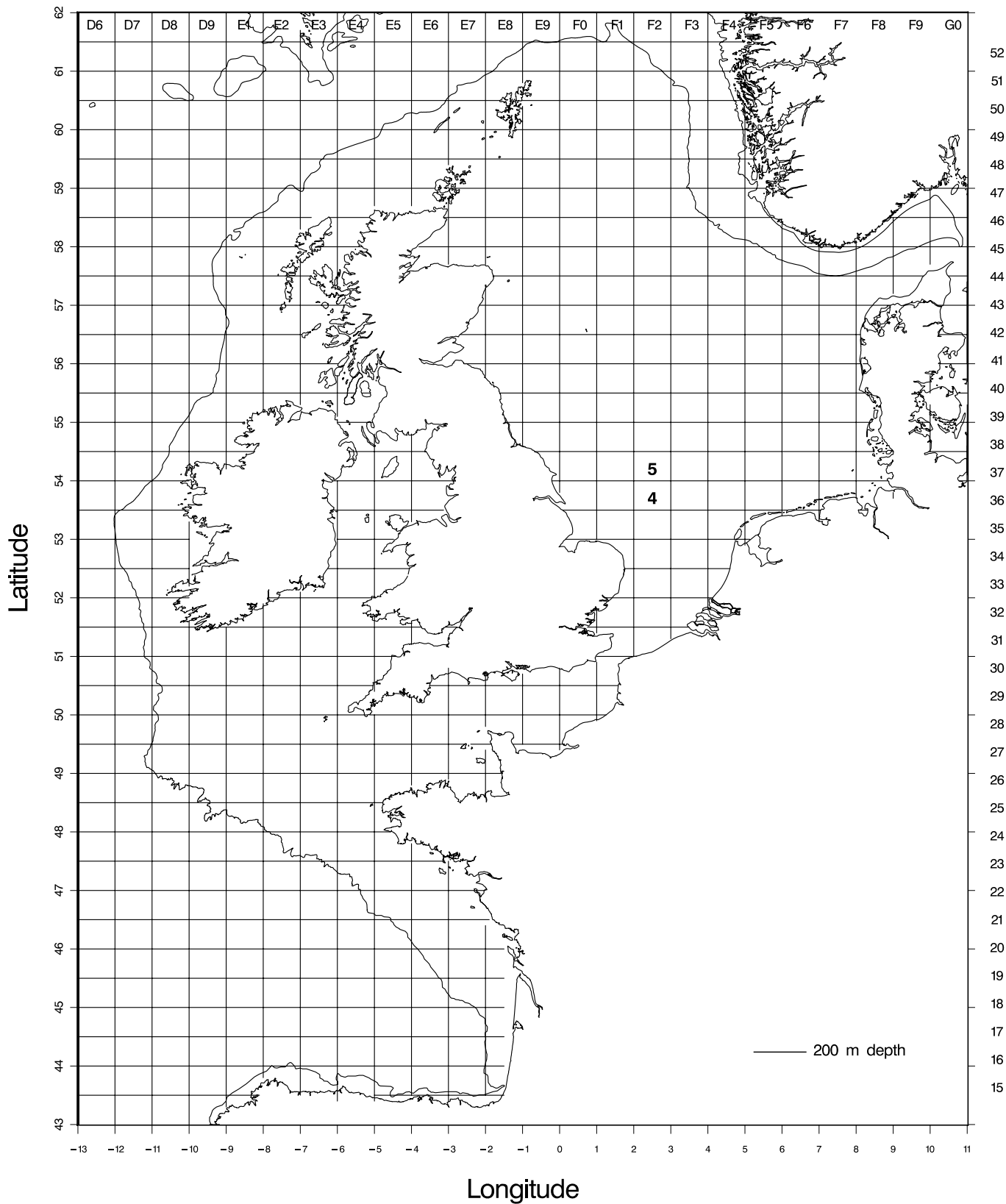


Figure 15b: Nephrops quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

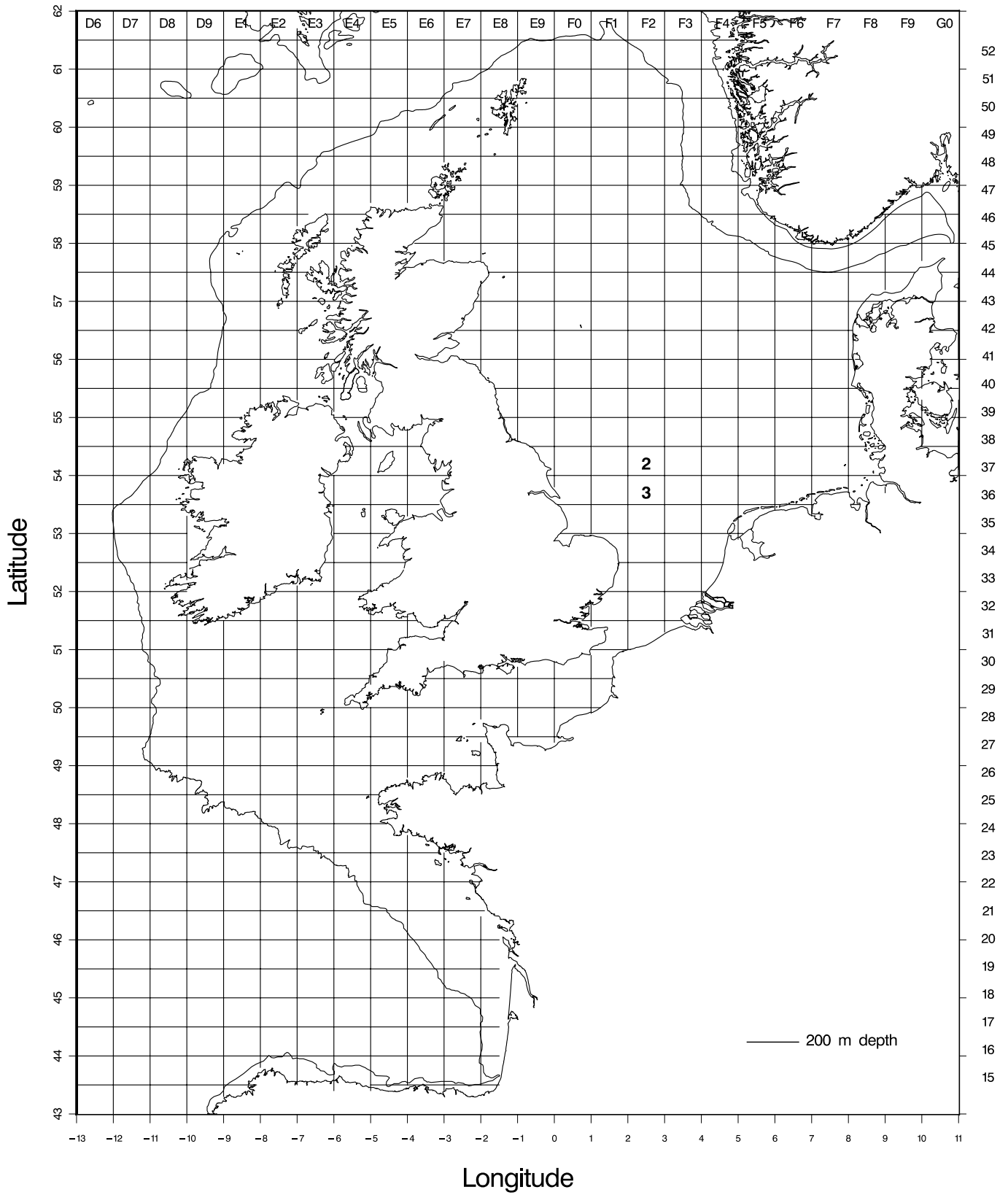


Figure 15c: Nephrops quarter 3 2006
Number of age/length samples of commercial catches per ICES rectangle

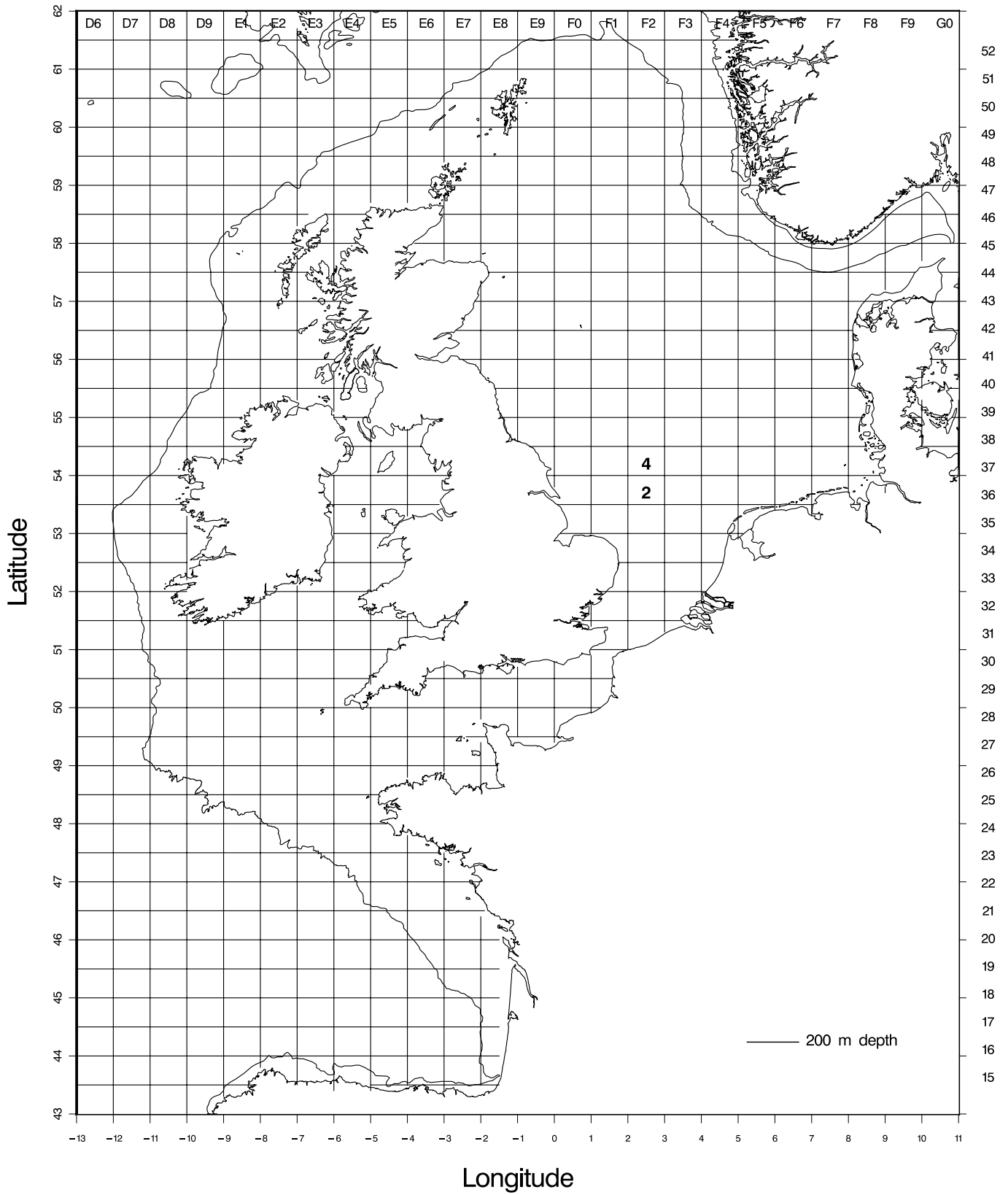


Figure 15d: Nephrops quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

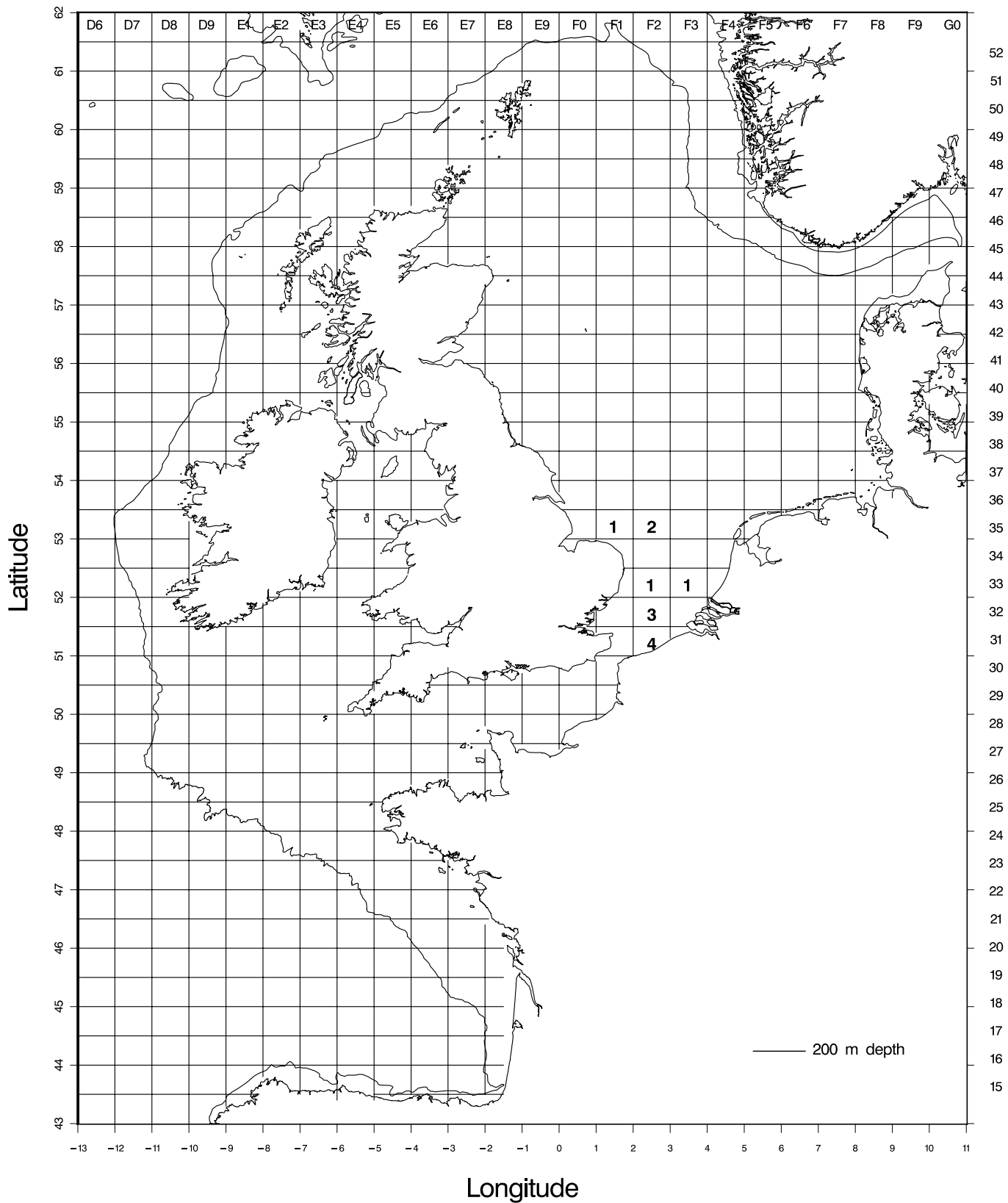


Figure 16a: Ray blond quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

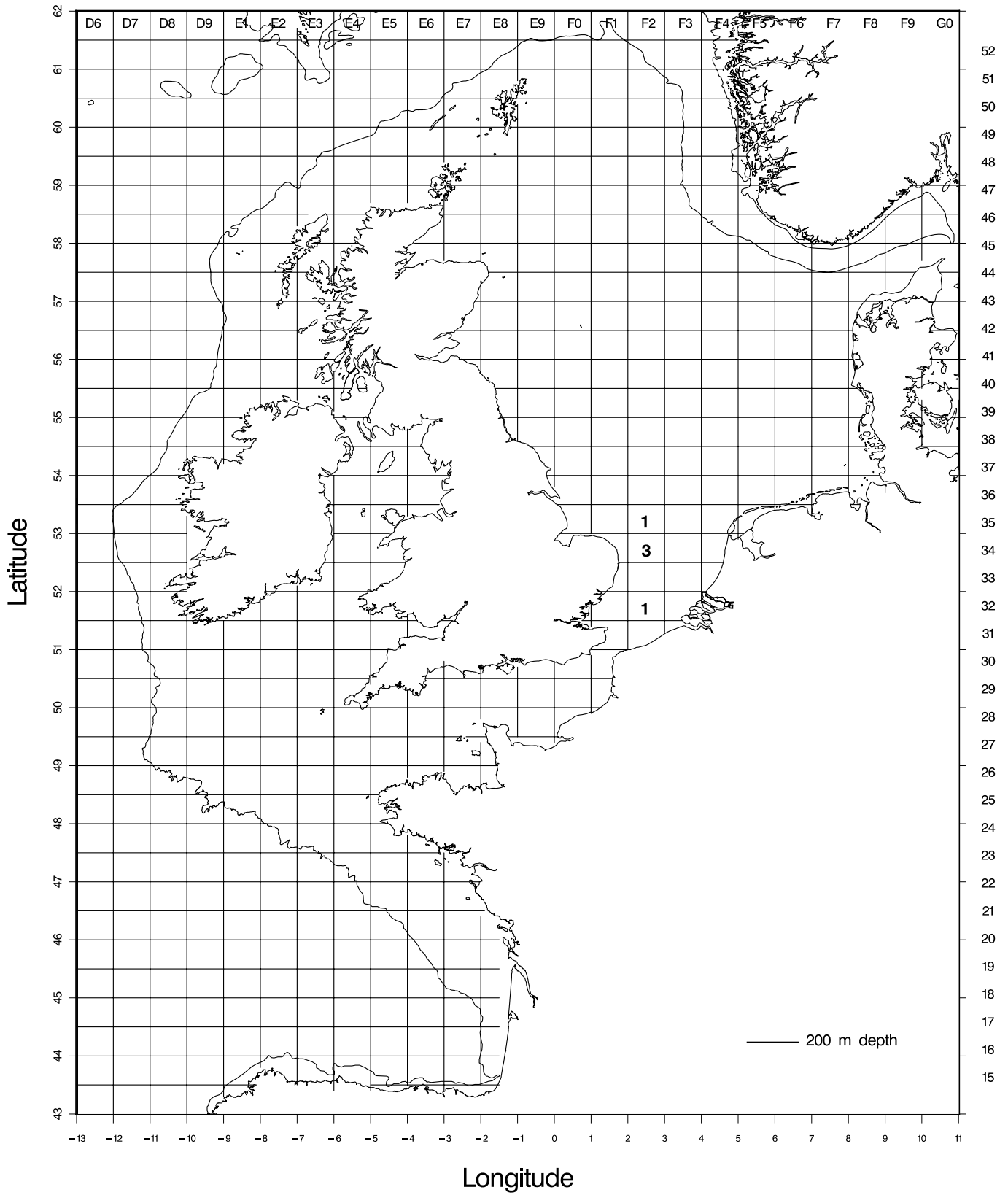


Figure 16b: Ray blond quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

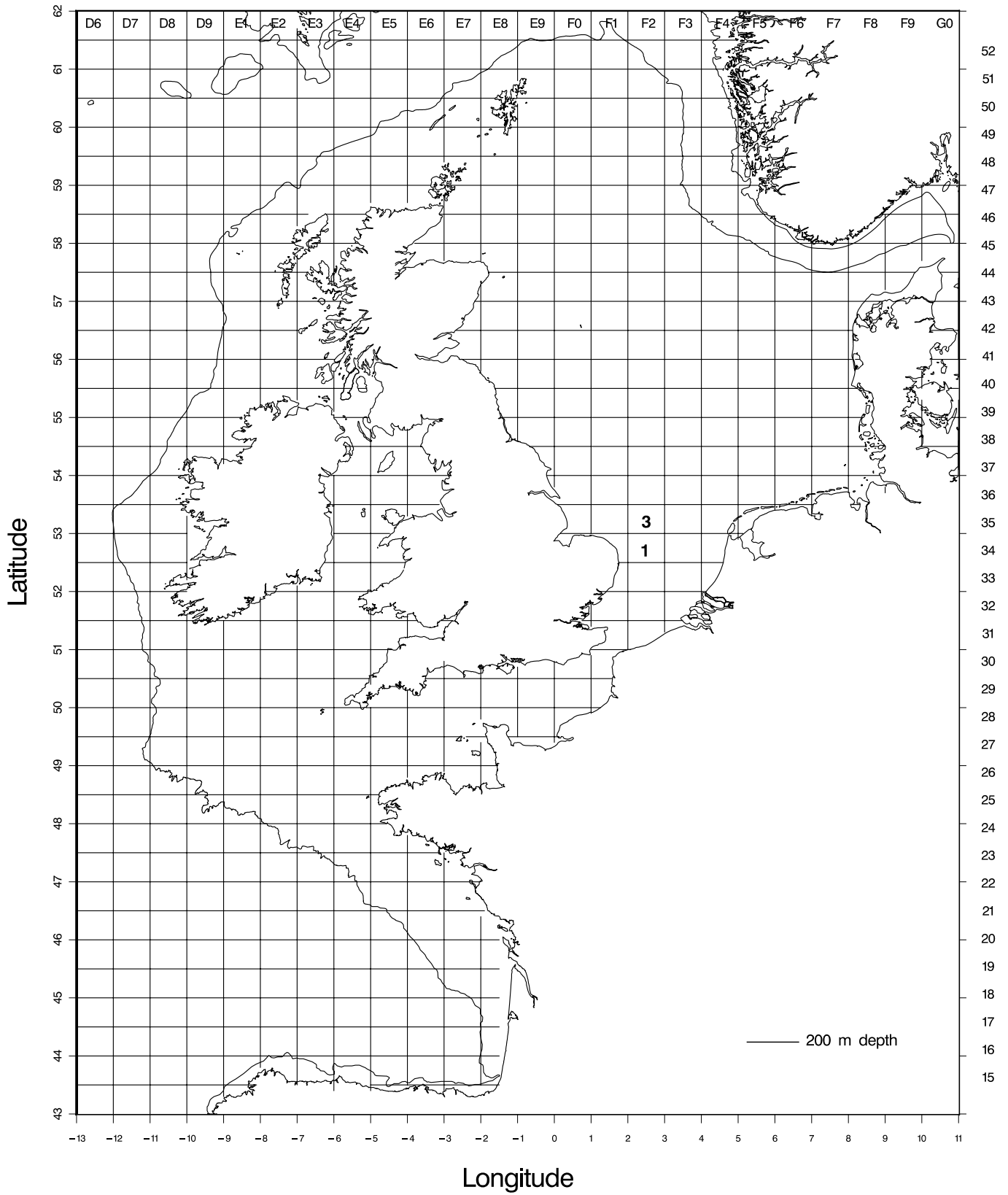


Figure 16c: Ray blond quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

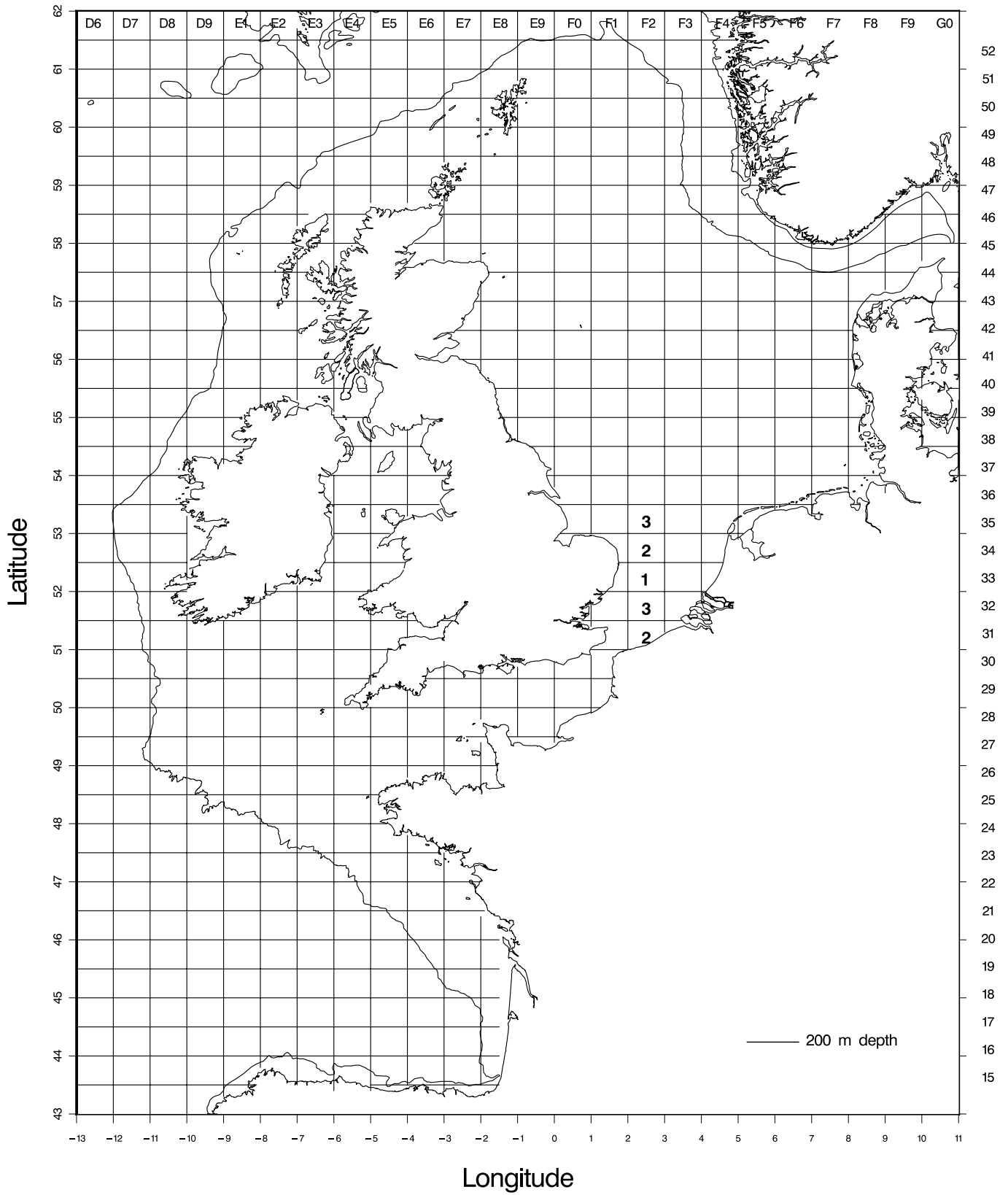


Figure 16d: Ray blond quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

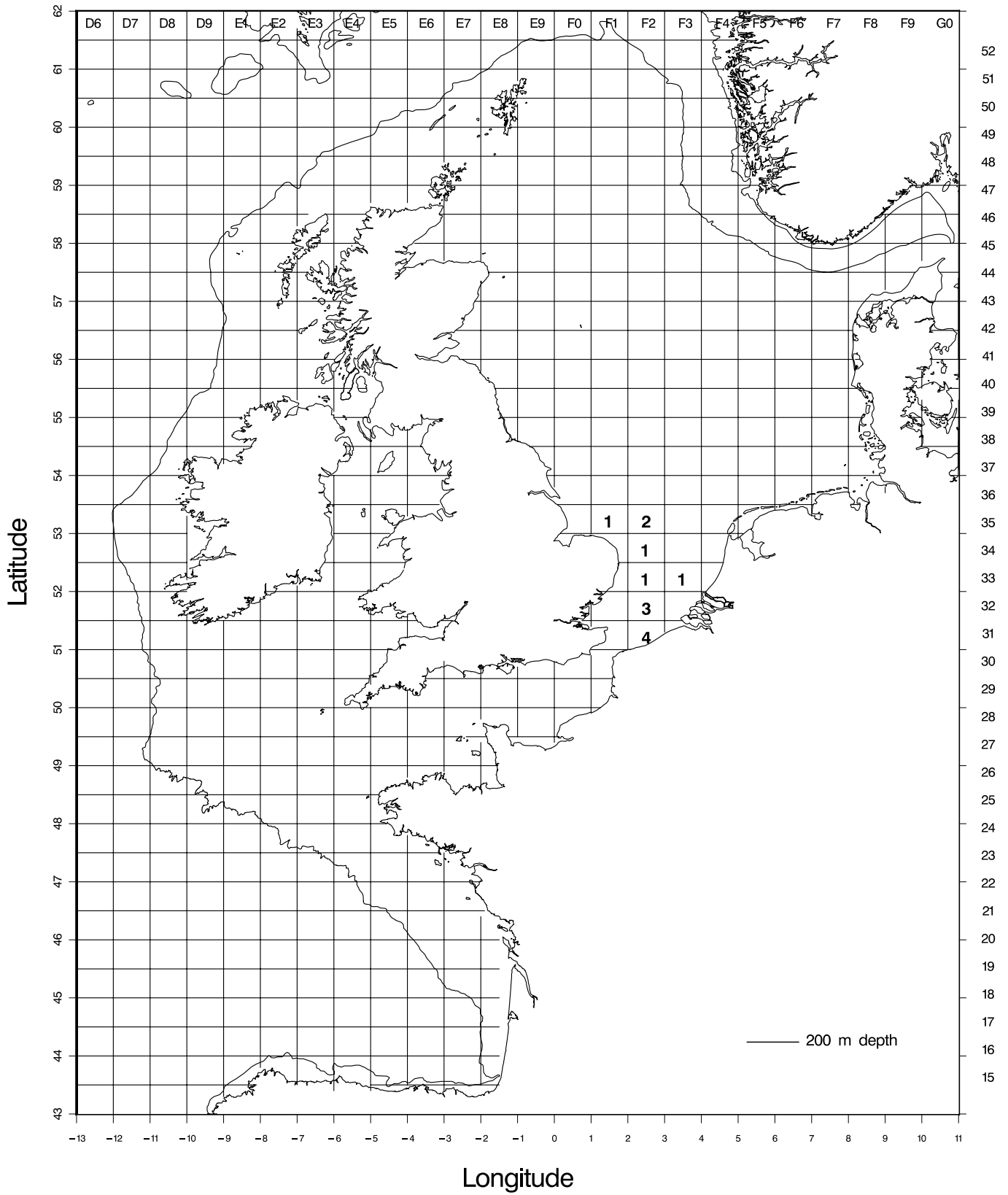


Figure 17a: Ray spotted quarter 1 2006
 Number of age/length samples of commercial catches per ICES rectangle

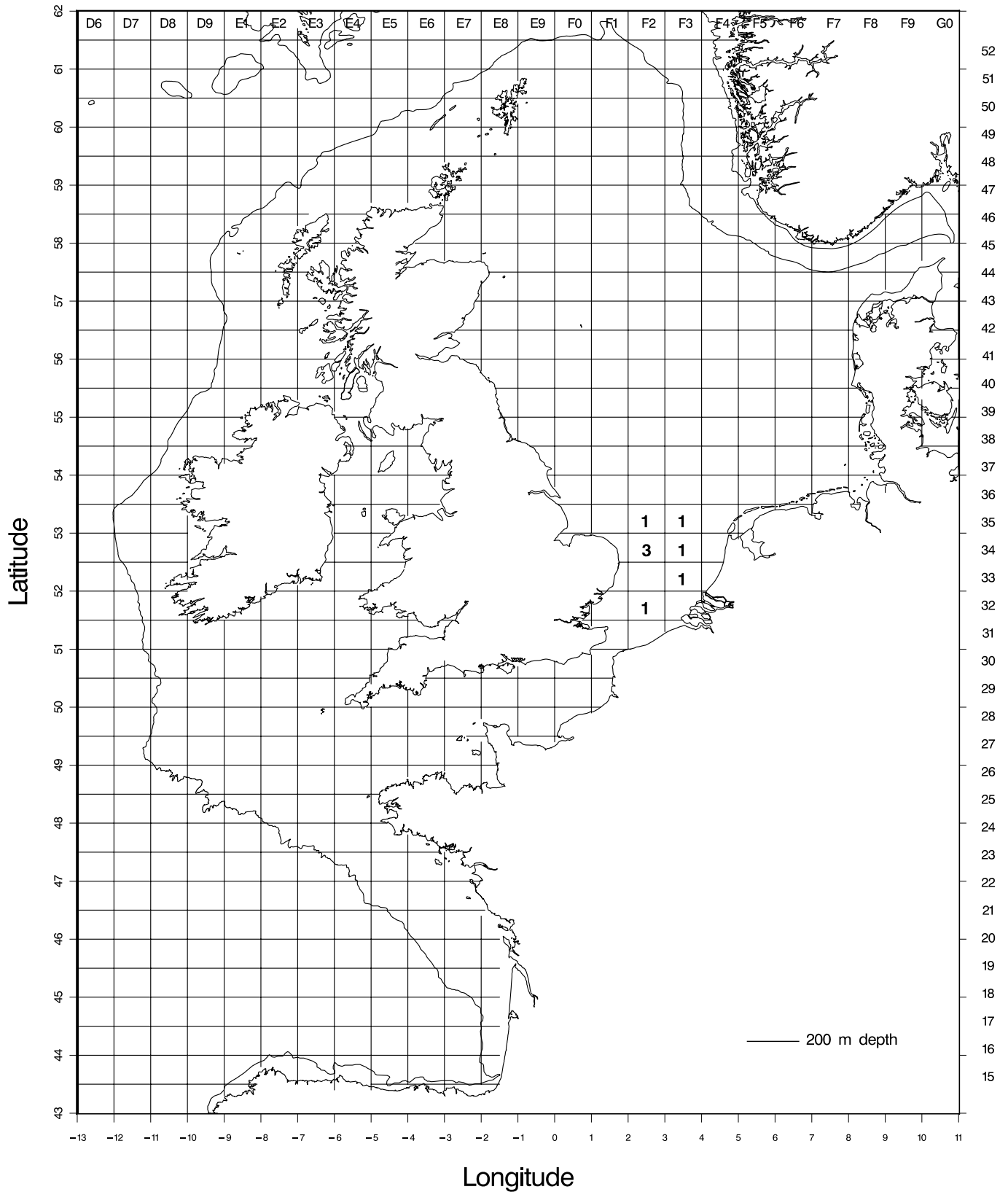


Figure 17b: Ray spotted quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

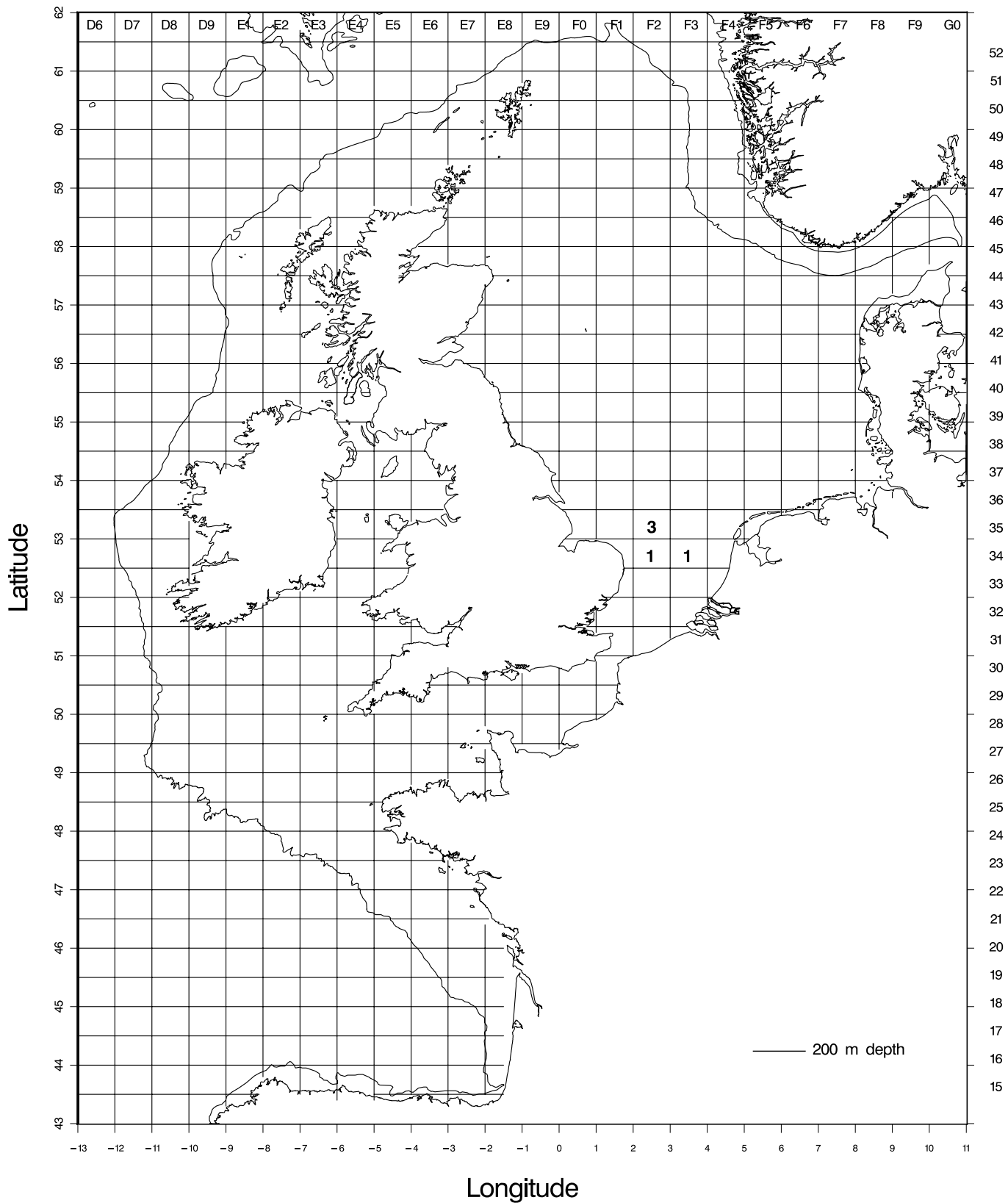


Figure 17c: Ray spotted quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

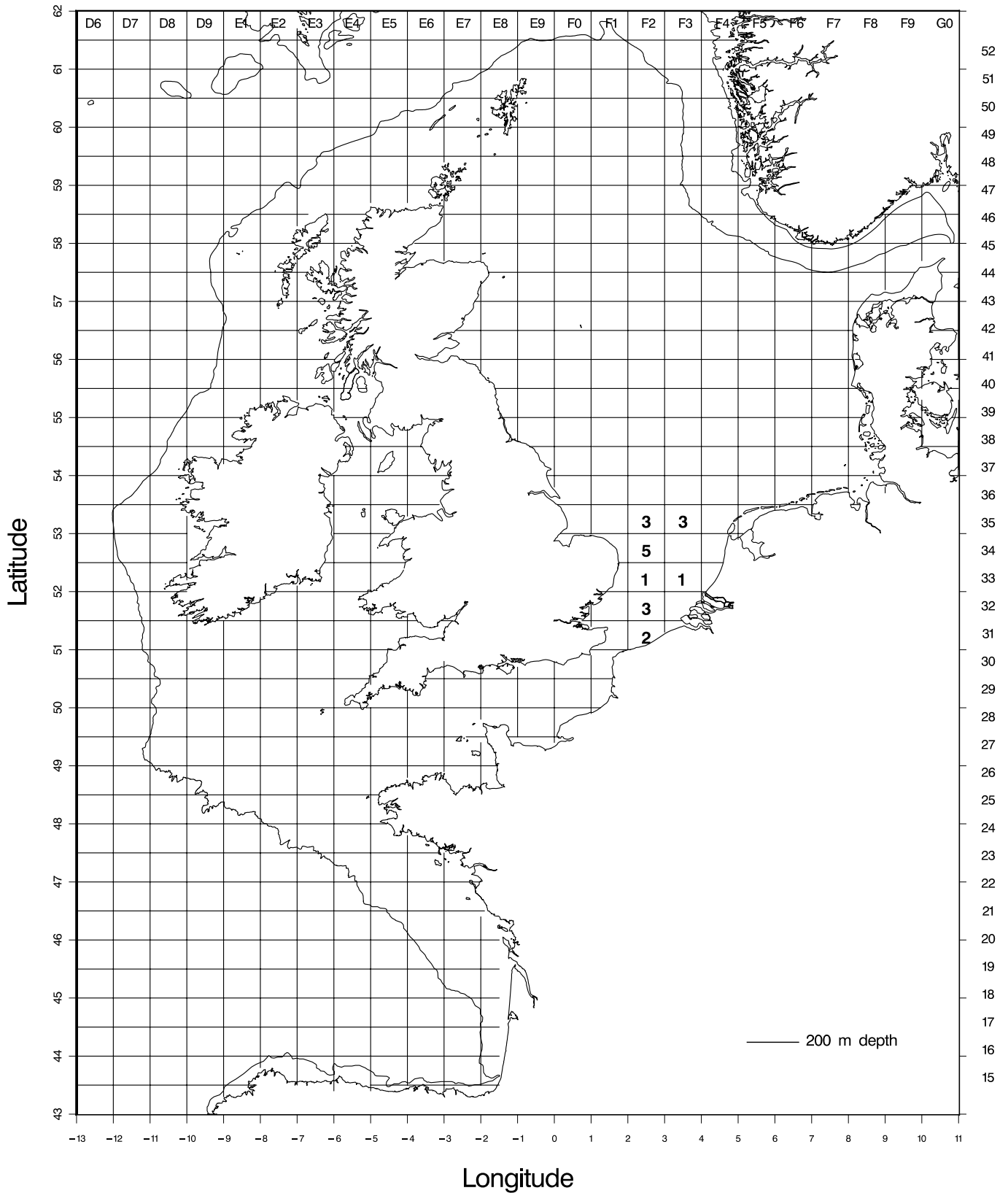


Figure 17d: Ray spotted quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

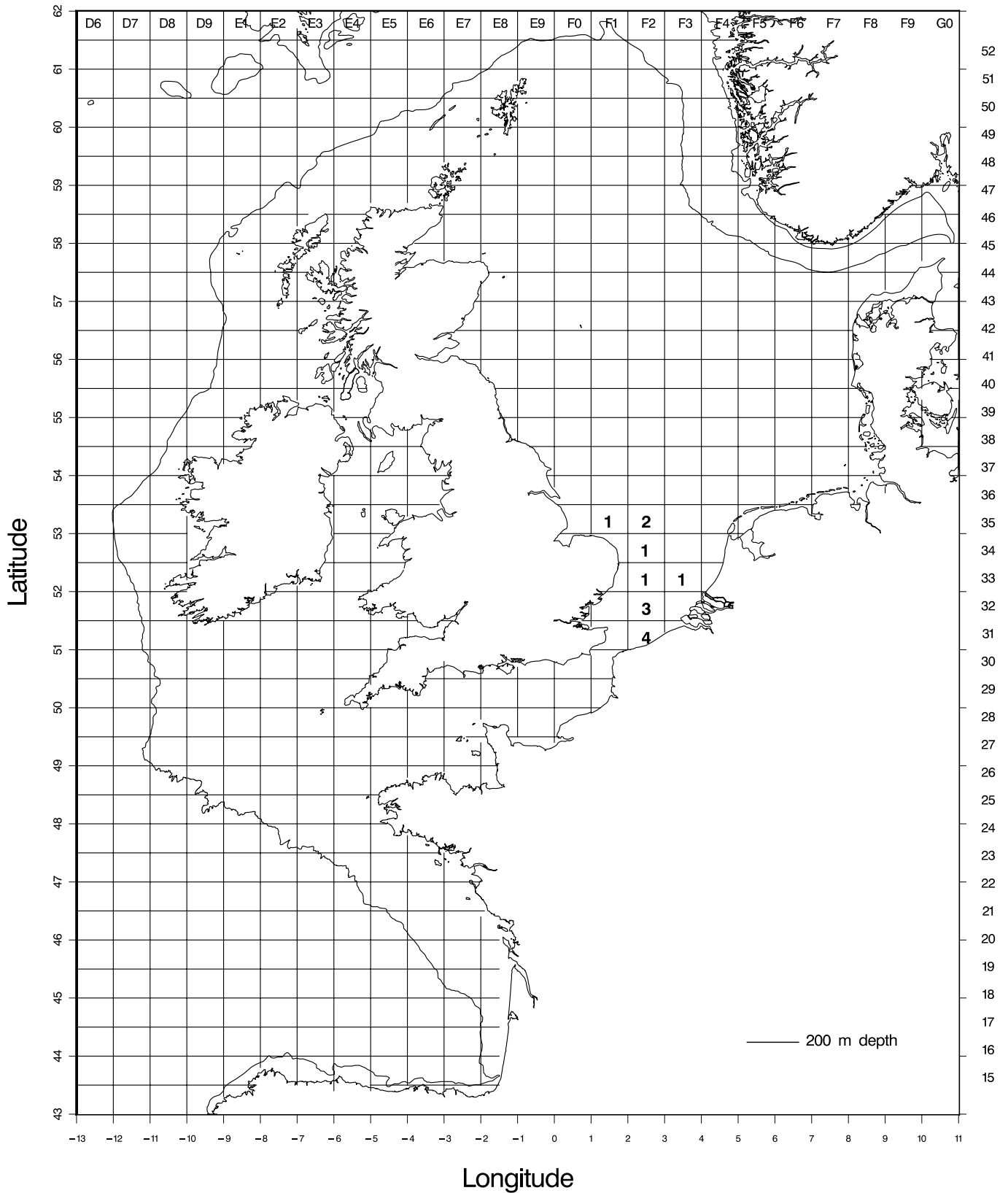


Figure 19a: Ray thornback quarter 1 2006

Number of age/length samples of commercial catches per ICES rectangle

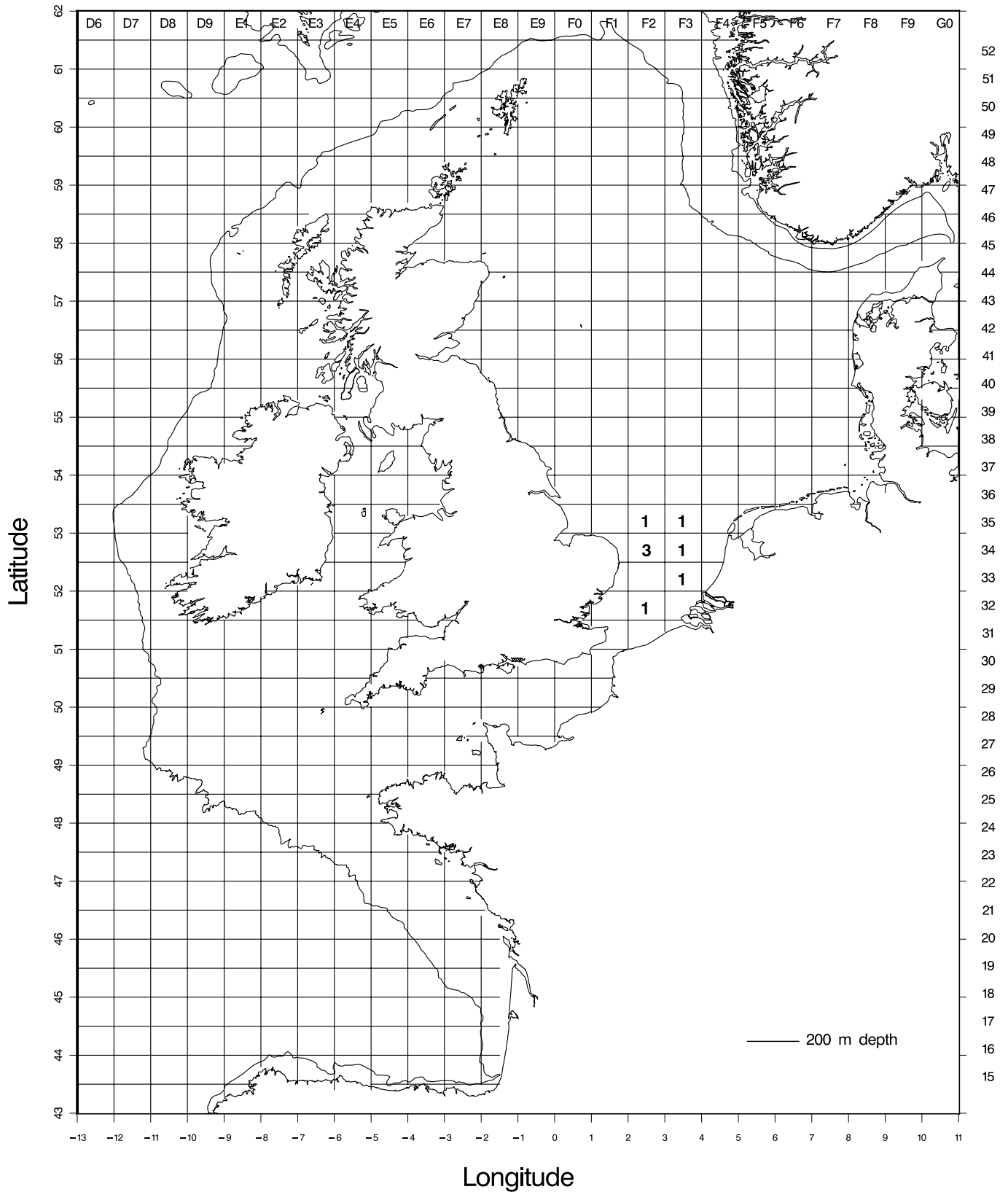


Figure 19b: Ray thornback quarter 2 2006

Number of age/length samples of commercial catches per ICES rectangle

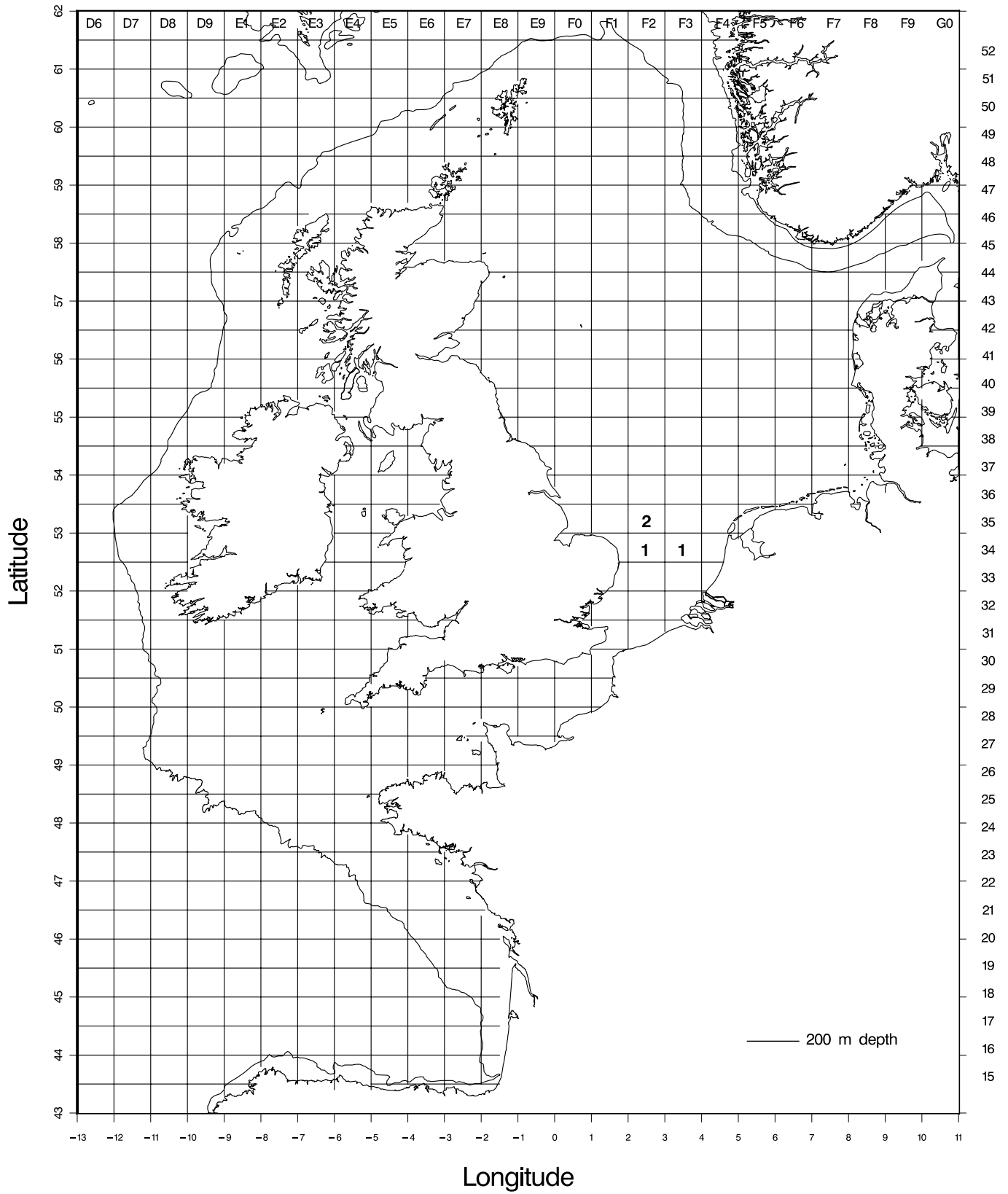


Figure 19c: Ray thornback quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle

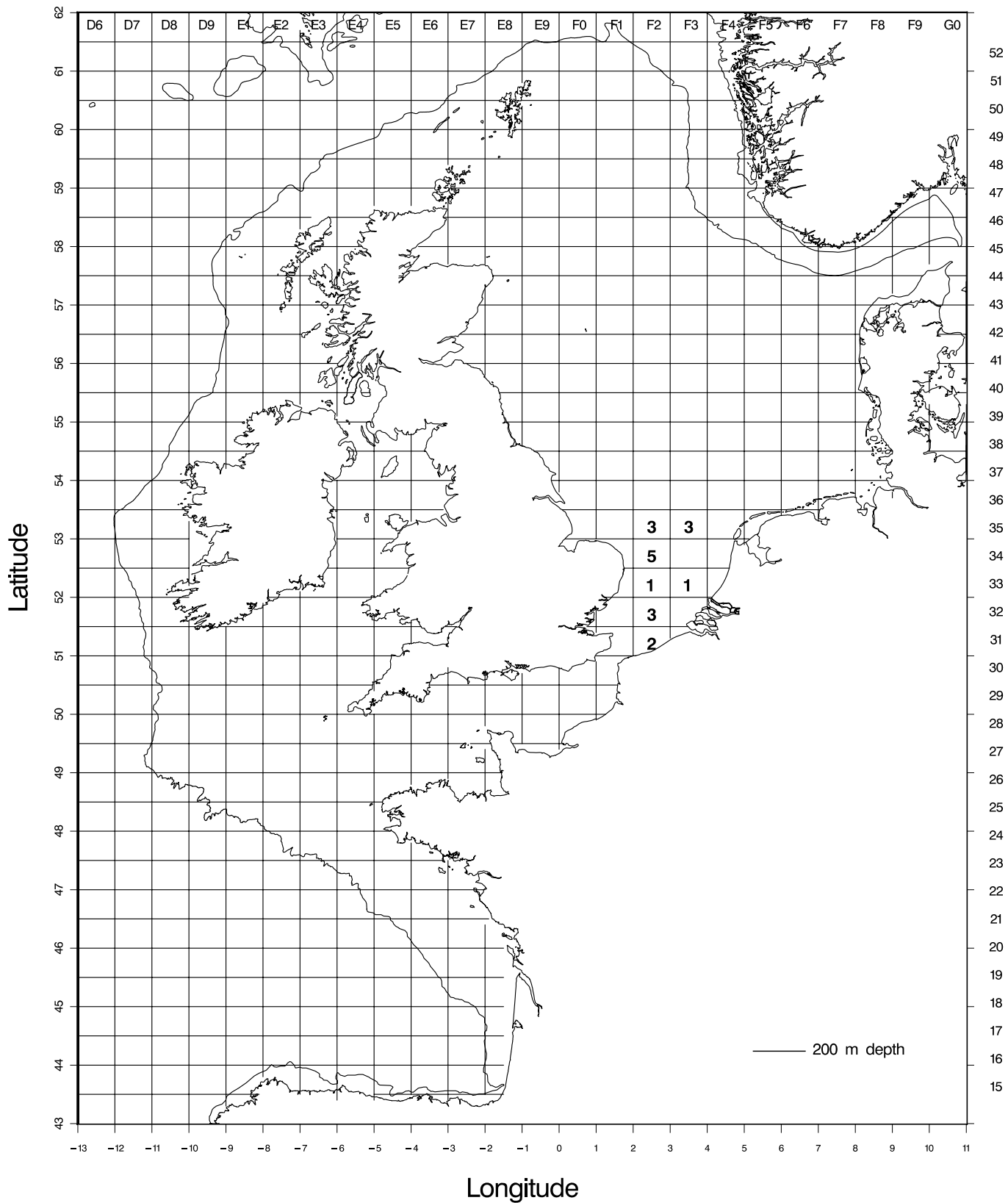


Figure 19d: Ray thornback quarter 4 2006

Number of age/length samples of commercial catches per ICES rectangle

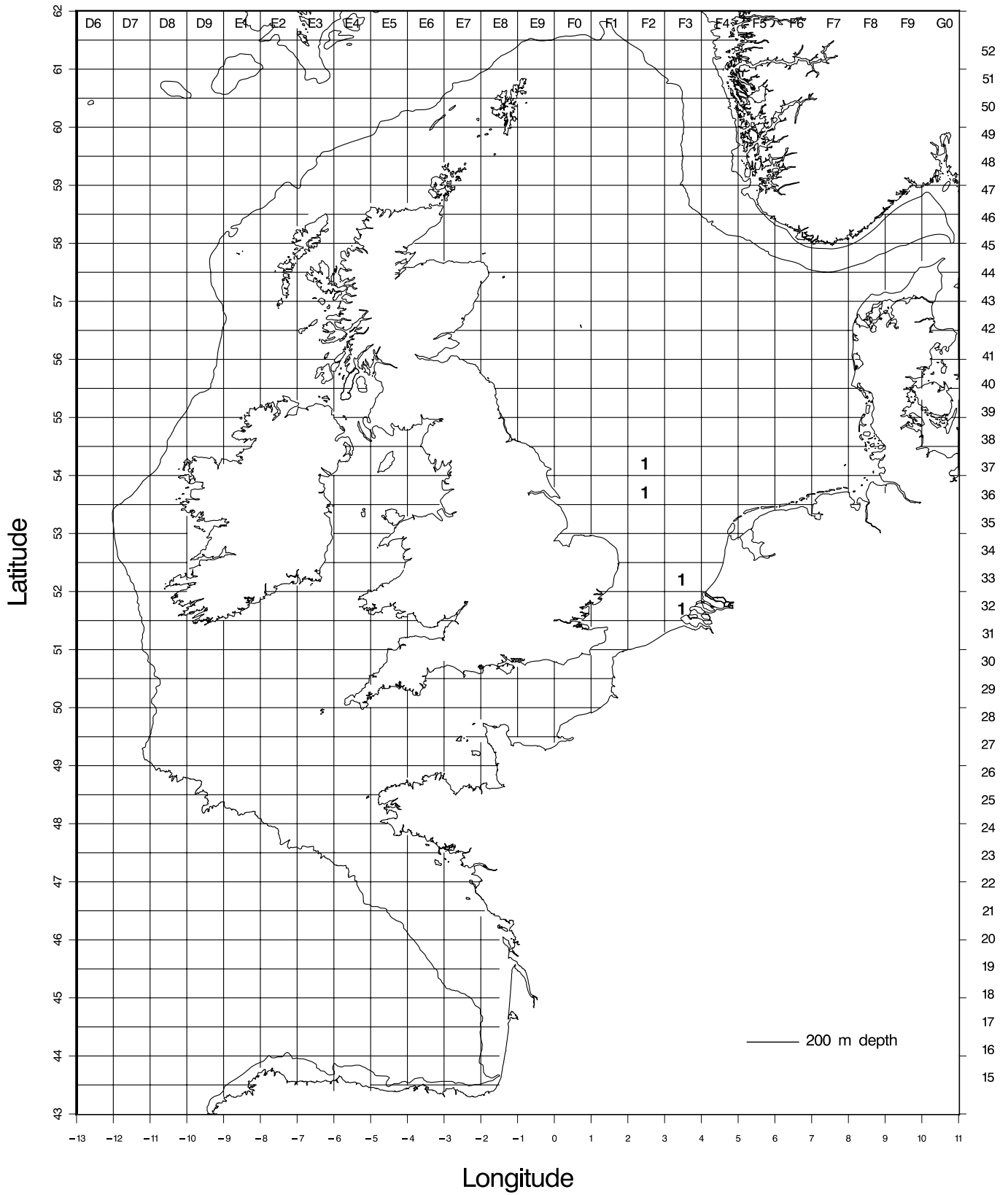


Figure 21b: Red mullet quarter 2 2006

Number of length samples of commercial catches per ICES rectangle

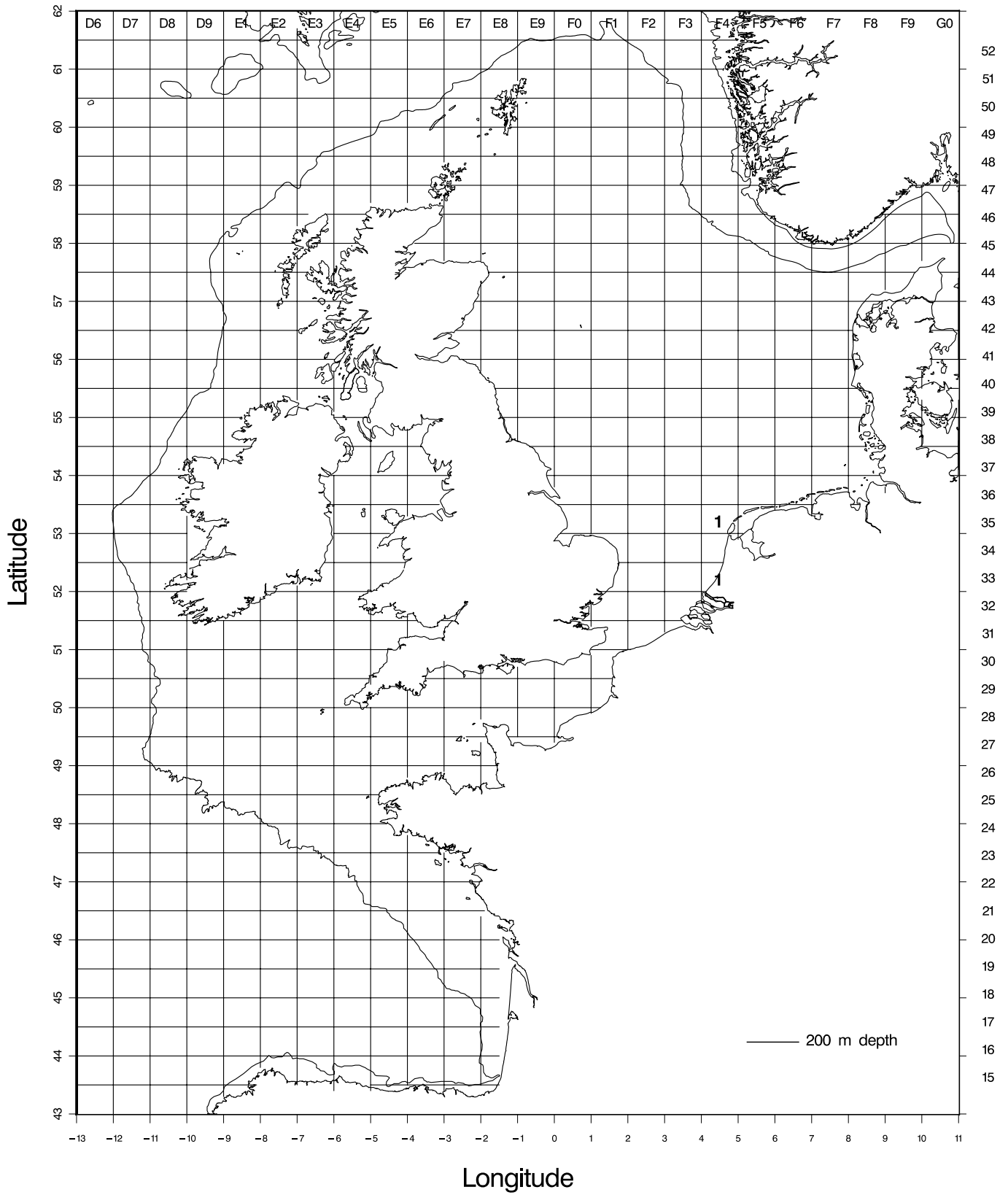


Figure 21c: Red mullet quarter 3 2006

Number of length samples of commercial catches per ICES rectangle

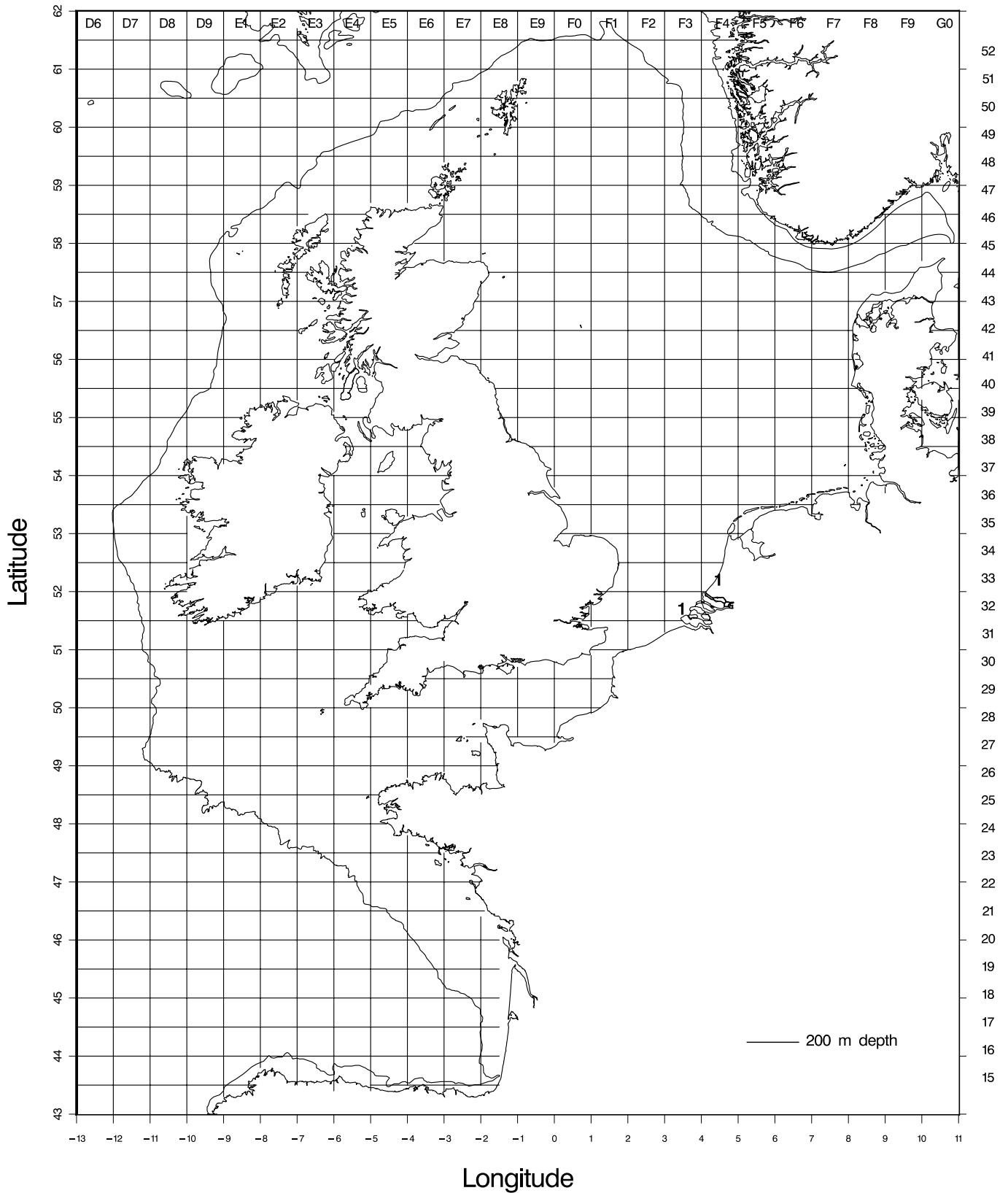


Figure 22c: Bass quarter 3 2006

Number of age/length samples of commercial catches per ICES rectangle