

This paper not to be cited without prior reference to the Council *)

INTERNATIONAL COUNCIL FOR THE
EXPLORATION OF THE SEA

C.M. 1975/F : 37
Demersal Fish (Northern) Committee.

COMPILATION OF THE GADOID DATA COLLECTED DURING THE
INTERNATIONAL YOUNG HERRING SURVEY 1975.

*) General Secretary of the International Council for the Exploration of the Sea,
Charlottenlund Slot, DK-2920 Charlottenlund.

<https://doi.org/10.17895/ices.pub.9521>

COMPILATION OF THE GADOID DATA COLLECTED
DURING THE INTERNATIONAL YOUNG HERRING
SURVEY 1975.

=====

As in former years there have been no facilities to analyse the survey data in great detail and thus only basic data will be presented in this report. Any specific questions should be directed to any of the four coordinators, responsible for the analysis of one species each:

Cod	- O. Bagge (Danish Institute for Fishery and Marine Research);
Haddock	- N. Daan (Netherlands Institute for Fishery Investigations);
Whiting	- J.R.G. Hislop (Marine Laboratory, Aberdeen);
Norway Pout	- J. Lahn-Johannesson (Institute of Marine Research, Bergen).

Table Ia through Ig present the numbers caught per hour fishing of I-group, II-group and older cod, haddock and whiting in individual hauls by the different participating ships. In addition Norway Pout data were collected upon request of the chairman of the Demersal Fish (Northern) Committee and the catches by age-groups are summarized in Table II. Apart from the countries reported in the tables Sweden took part in the survey but no gadoid data are available from this country. For USSR no length compositions were available of the catch of cod, so that no split in age-groups could be made here.

Figure 1-6 present the average catches of I- and II-groups cod, haddock and whiting per statistical square, which can be compared with former reports (CM 1974/F : 16; CM 1973/F : 35).

Figures 7-9 show the distribution of the different age-groups of Norway Pout.

For comparison the average numbers of the 1974 yearclasses of cod, haddock and whiting in the regions outlined in a previous report (CM 1974/F : 16, figure 10) were calculated, which yielded the following indices of relative abundance: cod 154; haddock 1078; whiting 1065. The Young Herring Survey estimates are compared with VPA estimates in figure 10.

The I-group cod was extremely abundant in the south eastern part of the North Sea, but virtually absent from the northern North Sea. The index of abundance in area IVb,c points to a larger yearclass than ever recorded before. The abundance of the 1974 yearclass of haddock was comparable to the 1974 yearclass indicating an average yearclass size. The whiting data indicate a rather good 1974 yearclass, comparable to the size of the 1972 yearclass.

*) General Secretary of the International Council for the Exploration of the Sea, Charlottenlund Slot, DK-2920 Charlottenlund.

TABLE 1A.

[illegible]

notes:

TABLE Ib

COUNTRY : Federal Republic of Germany SHIP : "Anton Dohrn"							YEAR : 1975			IYHS					
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA- TION	STAT. RECT.	DEPTH m.	TIME SHOT	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
JK 5230	27-1	152	3304	28		52°52'N 4°10'E	1	1	9	-	-	-	145	476	336
	27-1	155	3304	28		52°57'N 4°16'E	21	213	63	-	-	-	171	90	77
	27-1	161	3304	25		52°49'N 4°28'E	51	7	-	2	3	-	260	211	194
	27-1	167	3304	28		52°48'N 4°12'E	-	-	-	-	-	-	564	983	721
GH 5330	28-1	189	3206	36		53°32'N 3°02'E	-	-	1	-	-	-	389	7	5
	28-1	192	3206	45		53°41'N 3°09'E	1	1	6	-	-	-	810	47	873
	28-1	197	3206	41		53°55'N 3°22'E	-	-	-	-	-	-	-	-	-
	28-1	202	3206	42		53°55'N 3°40'E	2	-	2	11	-	-	393	10	403
JK 5430	29-1	223	3308	50		54°41'N 4°10'E	4	-	-	49	-	3	49	-	3
	29-1	227	3308	49		54°45'N 4°38'E	8	-	-	1	-	-	79	3	2
	29-1	231	3408	43		54°48'N 5°04'E	-	-	1	-	-	-	19	1	-
	29-1	235	3408	44		54°48'N 5°41'E	1	-	1	1	1	1	26	2	3
LM 5430	30-1	258	3607	44		54°19'N 7°01'E	5	-	-	-	-	-	361	82	38
	30-1	261	3607	44		54°16'N 7°25'E	5	-	3	-	-	-	515	84	35
	30-1	265	3607	32		54°18'N 7°42'E	37	-	3	-	-	-	532	115	52
	30-1	270	3607	26		54°23'N 7°49'E	63	4	9	-	-	-	1474	125	26
	31-1	296	3608	20		54°53'N 7°49'E	232	-	8	-	-	-	800	51	5
	31-1	298	3608	24		54°52'N 7°36'E	33	1	1	2	-	-	123	40	7
	31-1	302	3608	26		54°50'N 7°23'E	88	2	2	7	-	-	347	95	26
	31-1	306	3608	26		54°48'N 7°08'E	26	21	3	3	-	-	109	17	16
CD 5530	3-2	401	2710	88		55°39'N 1°00'W	-	7	-	1011	382	63	1860	239	512
	3-2	407	2710	60		55°43'N 1°11'W	-	1	-	1650	826	184	1003	128	239
	3-2	412	2710	90		55°55'N 1°24'W	-	-	-	1983	357	24	3239	146	161
LM 5530	31-1	311	3609	34		55°02'N 7°03'E	27	4	7	5	-	-	255	42	26
EF 5630	4-2	435	2912	88		56°42'N 0°38'E	-	-	-	2737	157	-	969	17	-
GH 5630	2-2	364	3211	66		56°27'N 3°55'E	-	-	-	282	141	27	39	4	2
	2-2	369	3211	69		56°20'N 3°25'E	-	-	-	329	42	7	140	14	2
	2-2	374	3111	72		56°16'N 2°56'E	1	-	-	65	53	8	75	11	8
	2-2	379	3111	80		56°22'N 2°39'E	2	1	-	96	161	26	645	18	12
JK 5630	18-2	809	3312	60		56°54'N 4°19'E	1	-	-	226	17	1	45	4	-
	18-2	812	3312	64		56°36'N 4°21'E	-	-	1	142	14	2	316	10	2
CD 5730	14-2	704	2814	117		57°56'N 0°27'W	-	1	5	5721	624	33	302	65	21
	14-2	709	2714	86		57°59'N 1°22'W	-	1	6	1639	1417	109	510	121	72
EF 5730	4-2	438	2913	90		57°03'N 0°44'E	-	-	-	967	778	35	1464	288	36
	4-2	443	3013	94		57°24'N 1°09'E	-	-	-	4612	1021	17	1968	163	3
	4-2	449	2914	112		57°45'N 0°30'E	-	-	-	1210	190	9	481	172	24
JK 5730	1-2	344	3413	80		57°26'N 5°58'E	-	3	-	1682	123	19	10	13	17
	1-2	352	3314	80		57°33'N 4°56'E	-	2	2	1448	348	33	55	26	7
	18-2	801	3313	75		57°26'N 4°07'E	-	-	-	2146	159	10	224	8	-
	18-2	805	3313	61		57°10'N 4°11'E	1	1	1	580	4	1	426	2	-
LM 5730	1-2	333	3613	28		57°03'N 7°09'E	53	2	2	52	37	2	54	3	2
	1-2	338	3513	84		57°18'N 6°47'E	-	2	1	404	88	57	16	9	6
GEAR specifications : 180' Herring bottom-trawl with inserted codend.															

TABLE Ib ctd.

COUNTRY : Federal Republic of Germany SHIP : "Anton Dohrn"							YEAR : 1975			IYHS					
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA-TION	STAT. RECT.	DEPTH m.	TIME SHOT	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
AB 5830	13-2	669	2616	75		58°33'N 2°25'W	-	-	-	435	1158	33	334	384	49
	13-2	673	2515	60		58°09'N 3°06'W	-	1	1	1355	-	-	328	-	-
	13-2	676	2514	58		57°58'N 3°11'W	-	2	1	1273	30	16	470	6	7
	13-2	680	2614	93		57°57'N 2°45'W	-	-	2	680	52	12	837	13	7
	13-2	684	2615	56		58°05'N 2°19'W	-	3	-	871	739	50	382	41	183
CD 5830	14-2	701	2815	120		58°11'N 0°24'W	-	-	4	1786	588	46	442	522	70
	14-2	714	2715	115		58°14'N 1°36'W	-	-	1	2181	571	34	486	19	15
	16-2	767	2816	130		58°51'N 0°48'W	-	2	2	800	494	108	400	900	284
	17-2	772	2716	115		58°51'N 1°20'W	-	4	12	3546	1010	119	940	1325	207
EF 5830	5-2	468	3015	110		58°20'N 1°46'E	-	-	5	600	246	22	88	23	2
	5-2	471	3015	135		58°23'N 1°14'E	-	9	1	945	562	74	253	636	330
	5-2	476	3016	139		58°37'N 1°13'E	-	3	3	811	310	69	170	311	62
	5-2	481	3016	114		58°49'N 1°34'E	-	2	1	629	735	27	71	18	2
	8-2	567	2916	142		58°53'N 0°17'E	-	12	-	408	168	33	290	575	487
	8-2	571	2916	164		58°43'N 0°33'E	1	10	8	2021	127	28	229	249	292
	8-2	574	2915	144		58°26'N 0°29'E	-	9	6	426	170	26	892	398	315
	8-2	579	2915	155		58°14'N 0°40'E	4	54	-	244	340	44	1184	1177	400
	AB 5930	12-2	652	2618	81		59°40'N 2°12'W	-	1	2	44	198	41	1	32
12-2		656	2617	76		59°26'N 2°15'W	4	4	-	24	160	-	8	61	91
CD 5930	12-2	643	2818	126		59°55'N 0°40'W	-	6	1	1485	1702	1475	60	50	520
	12-2	649	2718	112		59°47'N 1°48'W	-	1	2	2592	743	70	-	87	848
	15-2	748	2817	140		59°16'N 0°15'W	-	7	1	433	291	142	104	339	1541
EF 5930	15-2	732	2918	128		59°37'N 0°44'E	-	12	3	1092	197	38	200	209	319
	15-2	735	3018	108		59°38'N 1°10'E	-	6	-	6309	1114	78	1122	64	4
	15-2	739	3017	116		59°21'N 1°16'E	-	7	1	4334	2795	119	442	91	59
	15-2	744	2917	130		59°17'N 0°27'E	-	4	1	847	266	72	70	396	596
CD 6030	12-2	639	2819	132		60°07'N 0°11'W	-	9	25	598	330	197	79	499	186
GH 6030	6-2	498	3219	245		60°10'N 3°25'E	-	1	-	820	9	-	8	11	5
	6-2	500	3219	180		60°11'N 3°12'E	1	7	-	1428	34	-	142	163	103
	6-2	505	3119	94		60°11'N 2°39'E	2	4	-	1320	139	10	89	1	-
	6-2	510	3119	105		60°22'N 2°16'E	-	5	-	5197	496	16	56	37	29
	6-2	514	3120	128		60°35'N 2°17'E	-	9	3	1096	122	26	138	152	87
	7-2	537	3220	295		60°56'N 3°05'E	-	-	-	8472	13	-	-	-	-
	7-2	541	3220	205		60°40'N 3°05'E	-	3	1	652	4	-	98	47	37
	7-2	545	3120	110		60°33'N 2°46'E	-	5	1	1018	115	24	16	3	6
	GH 6130	7-2	531	3121	136		61°08'N 2°15'E	-	7	1	1144	116	42	5	-
7-2		533	3121	175		61°05'N 2°25'E	-	1	-	1187	8	2	-	-	-
GEAR specifications :															

TABLE Ic

COUNTRY : Norway SHIP : "Johan Hjort"				YEAR : 1975			IYHS								
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA-TION	STAT. RECT.	DEPTH m.	TIME SHOT GMT.	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
EF 5330	9-2	12	3006	28	14.20	53°46'N 1°47'E	0	4	8	0	0	0	139	7	20
	9-2	13	3006	25	16.13	53°45'N 1°42'E	0	0	0	8	0	0	79	0	0
GH 5330	9-2	10	3106	31	06.50	53°46'N 2°50'E	6	1	0	3	0	0	175	373	44
	9-2	11	3106	32	08.40	53°47'N 2°48'E	10	5	1	0	0	0	332	1127	178
JK 5330	8-2	8	3406	30	14.15	53°52'N 5°43'E	14	0	1	0	0	0	336	68	23
	8-2	9	3406	30	16.07	53°52'N 5°32'E	5	0	0	0	0	0	1209	316	229
GH 5430	10-2	14	3107	25	06.50	54°16'N 2°27'E	1	0	0	1	0	0	69	2	2
	10-2	15	3107	27	10.03	54°17'N 2°35'E	0	0	0	0	0	0	12	0	2
	10-2	16	3207	44	13.43	54°22'N 3°19'E	30	0	0	12	0	0	400	47	39
	10-2	17	3207	43	15.30	54°22'N 3°23'E	40	0	0	6	0	0	231	47	18
LM 5430	7-2	2	3608	35	07.00	54°37'N 7°02'E	0	0	5	2	0	0	130	3	0
	7-2	3	3608	37	08.58	54°33'N 7°06'E	0	1	1	0	0	0	147	5	3
	7-2	4	3608	34	12.43	54°30'N 7°08'E	0	3	0	0	0	0	390	16	6
	7-2	5	3608	34	14.40	54°30'N 7°04'E	0	1	1	0	0	0	109	4	3
	8-2	6	3507	34	06.55	54°11'N 6°28'E	11	7	0	0	0	0	1637	111	31
	8-2	7	3507	32	08.45	54°11'N 6°34'E	21	0	0	0	0	0	2424	90	123
GH 5530	11-2	18	3210	59	06.50	55°46'N 3°18'E	4	0	0	79	16	3	234	68	16
	11-2	19	3210	65	08.37	55°49'N 3°16'E	0	0	0	27	9	0	310	49	13
	11-2	20	3110	70	12.50	55°39'N 2°45'E	8	1	0	69	3	0	310	72	1
	11-2	21	3110	75	14.43	55°40'N 2°39'E	12	2	19	156	12	0	765	253	26
JK 5630	6-2	1	3411	47	15.30	56°29'N 5°31'E	0	1	1	264	4	9	373	7	5
	12-2	22	3311	58	06.50	56°08'N 4°18'E	0	0	2	88	10	4	444	31	6
	12-2	23	3311	55	08.30	56°10'N 4°22'E	5	0	0	260	10	0	112	19	1
	12-2	24	3411	51	13.26	56°19'N 5°16'E	32	6	0	248	9	0	799	19	8
LM 5630	13-2	27	3612	34	16.50	56°41'N 7°14'E	0	1	8	0	1	1	3	0	0
GH 5730	18-2	34	3214	77	20.03	57°54'N 3°46'E	0	0	0	96	187	4	17	6	2
	19-2	35	3114	54	06.45	57°55'N 2°54'E	0	0	0	135	99	9	0	0	0
JK 5730	15-2	28	3414	178	11.40	57°49'N 5°48'E	0	6	2	159	0	4	55	22	36
	15-2	29	3414	125	14.50	57°46'N 5°40'E	0	27	0	276	9	0	115	41	73
	16-2	30	3413	88	06.30	57°27'N 5°24'E	3	5	20	505	325	260	0	4	8
	16-2	31	3314	96	11.50	57°46'N 4°50'E	0	8	6	576	112	56	15	7	6
UM 5730	13-2	25	3513	61	06.50	57°09'N 6°20'E	36	8	0	641	40	0	108	22	6
	13-2	26	3613	44	14.48	57°09'N 7°13'E	12	4	0	197	9	0	110	15	8
GH 5830	19-2	36	3115	70	09.40	58°09'N 2°48'E	0	0	0	120	14	0	252	0	0
	8-3	39	3216	210	18.10	58°51'N 3°33'E	0	0	0	541	63	0	4	1	1
	9-3	40	3215	138	06.35	58°23'N 3°42'E	0	8	8	791	234	26	156	48	33
	9-3	41	3115	69	11.30	58°13'N 2°46'E	0	0	0	1068	56	0	36	0	0
	9-3	42	3116	107	16.40	58°43'N 2°36'E	0	0	2	2343	208	23	667	3	0
JK 5830	18-2	32	3315	147	13.10	58°06'N 4°44'E	6	6	0	234	90	12	120	114	96
	18-2	33	3315	145	14.28	58°06'N 4°42'E	0	9	3	388	53	6	190	63	45
GH 5930	8-3	37	3218	210	07.19	59°43'N 3°17'E	0	13	0	429	13	0	0	0	0
	8-3	38	3217	149	13.20	59°15'N 3°18'E	0	0	0	256	18	0	32	10	7
	10-3	43	3117	122	06.30	59°22'N 2°07'E	0	12	0	245	492	16	416	60	22
	10-3	44	3118	112	11.35	59°50'N 2°41'E	0	28	0	214	636	92	11	43	58
GEAR specifications:															

TABLE Id

COUNTRY : England SHIP : "Cirolana"						YEAR : 1975			IYHS						
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA- TION	STAT. RECT.	DEPTH m.	TIME SHOT	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
GH 5230	13-2	43	3204	29	11.00	52°36'N 3°31'E	1	-	1	-	-	-	39	5	6
	13-2	44	3204	30	13.43	52°51'N 3°41'E	16	1	1	-	-	-	35	63	32
	15-2	53	3104	46	15.37	52°44'N 2°27'E	1	3	5	-	-	-	17	5	11
JK 5230	12-2	37	3304	23	09.27	52°57'N 4°09'E	3	-	-	1	-	-	13	29	25
	12-2	38	3304	22	11.03	52°53'N 4°10'E	41	1	1	-	-	-	53	66	61
	12-2	39	3304	21	12.41	52°43'N 4°10'E	95	6	3	-	-	-	33	57	65
	12-2	40	3304	22	14.21	52°36'N 4°13'E	184	1	1	-	-	-	-	-	-
EF 5330		21	2906				3	3	2	10	-	-	1175	79	82
	15-2	52	3005	21	07.30	53°30'N 1°42'E	44	-	-	2	-	-	92	13	65
GH 5330	13-2	45	3205	25	16.14	53°09'N 3°43'E	16	-	1	-	-	-	53	74	57
	14-2	47	3205	25	07.32	53°25'N 3°26'E	4	-	-	-	-	-	162	40	12
	14-2	48	3105	28	10.10	53°23'N 2°57'E	1	-	1	-	-	-	49	15	5
	14-2	49	3105	28	12.44	53°13'N 2°41'E	-	-	4	-	-	-	20	-	-
JK 5330	11-2	31	3306	39	07.25	53°54'N 4°29'E	9	-	3	-	-	-	302	-	-
	11-2	33	3406	25	12.15	53°38'N 4°29'E	10	-	3	-	-	-	102	118	54
	11-2	34	3305	26	15.50	53°18'N 4°14'E	80	-	-	4	-	-	28	93	114
	12-2	36	3305	25	07.30	53°02'N 4°03'E	30	-	1	-	-	-	80	152	116
CD 5430	7-2	14	2808	73	12.52	54°58'N 0°20'W	10	14	14	1040	55	73	3648	104	104
	7-2	16	2808	63	17.20	54°53'N 0°44'W	7	3	2	64	2	5	424	20	-
EF 5430	6-2	9	2908	66	13.22	54°55'N 0°43'E	51	41	40	537	156	184	673	91	72
	6-2	10	2908	66	16.02	54°40'N 0°29'E	-	-	5	680	-	-	653	31	20
	8-2	18	2907	64	07.58	54°23'N 0°31'E	18	-	6	30	6	-	330	-	6
	9-2	23	3007	48	07.57	54°24'N 1°21'E	79	-	1	15	-	1	614	3	5
	9-2	24	3007	67	10.58	54°06'N 1°43'E	-	-	7	-	-	-	33	1	1
CD 5530	5-2	1	2710	90	08.06	55°38'N 1°13'W	1	10	5	35	43	13	7	5	33
	5-2	2	2710	80	11.06	55°47'N 1°00'W	-	-	-	19	27	6	5	-	-
	5-2	3	2710	70	14.21	55°55'N 1°32'W	2	1	1	385	119	6	800	136	35
	5-2	4	2710	73	16.12	55°58'N 1°37'W	12	12	12	745	389	33	2375	625	200
	7-2	12	2809	62	07.30	55°26'N 0°31'W	-	4	2	2108	300	92	14263	137	50
	7-2	13	2809	76	10.15	55°10'N 0°14'W	17	1	3	505	91	4	259	45	24
EF 5530	6-2	7	2909	73	07.38	55°16'N 0°20'E	14	21	15	984	57	35	1855	78	118
	6-2	8	2909	66	10.05	55°14'N 0°49'E	3	6	26	591	107	94	574	5	6
JK 5530	10-2	26	3409	45	07.22	55°26'N 5°16'E	29	2	2	55	-	1	65	10	2
	10-2	27	3409	47	09.20	55°24'N 5°37'E	10	-	15	23	2	-	81	8	1
	10-2	28	3409	41	11.35	55°10'N 5°39'E	20	1	5	45	-	-	113	16	2
	10-2	29	3409	37	13.43	55°09'N 5°15'E	62	-	2	69	-	-	101	3	3
GEAR specifications :															

Table 1e.

COUNTRY: Netherlands SHIP: "Tridens"						YEAR: 1975			IYHS						
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STATION	statist. rectangle	DEPTH m.	time shot NET	POSITION	COD			HADDOCK			WHITING		
							I 197. ⁴	II 197. ³	older	I 197. ⁴	II 197. ³	older	I 197. ⁴	II 197. ³	older
GH 5230	14-3	61	0332	25-1	8.15	52° 24' N 3° 41' E	2	-	2	-	-	-	79	14	5
JK 5230	17-2	1	0433	19-2	16.20	52° 42' N 4° 17' E	322	-	2	-	1	-	374	35	21
	27-2	29	0333	15	8.15	52° 20' N 4° 12' E	145	8	6	-	-	-	758	18	4
	3-3	30	0433	14-1	13.40	52° 41' N 4° 25' E	3	-	-	-	-	-	98	2	-
	3-3	31	0433	18-2	15.30	52° 50' N 4° 25' E	66	-	1	-	-	-	187	12	1
	3-3	32	0433	22-2	17.35	52° 59' N 4° 15' E	72	7	7	-	-	1	264	57	39
JK 5330	26-2	28	0633	33	17.45	53° 51' N 4° 11' E	23	-	11	3	-	-	4909	523	72
	7-3	46	0533	23	8.15	53° 01' N 4° 02' E	8	-	-	-	-	-	52	87	17
	10-3	47	0533	27	15.30	53° 07' N 4° 14' E	25	1	5	-	-	-	488	747	375
	10-3	48	0533	27-2	16.55	53° 16' N 4° 08' E	96	1	4	-	-	-	684	1573	935
	11-3	49	0533	23	8.15	53° 25' N 4° 05' E	124	-	-	-	-	-	2976	1371	393
	11-3	50	0633	23-2	10.40	53° 43' N 4° 04' E	16	-	9	6	-	-	1618	372	98
	11-3	51	0633	23-3	15.30	53° 41' N 4° 40' E	34	1	3	2	-	-	1022	479	133
	11-3	52	0633	34	17.55	53° 56' N 4° 38' E	4	1	15	1	-	-	709	361	118
	13-3	57	0634	29	8.15	53° 53' N 5° 39' E	137	-	1	1	-	-	888	311	141
	13-3	58	0634	27-2	10.40	53° 45' N 5° 44' E	253	17	4	-	1	-	1018	92	10
	13-3	59	0634	22	13.50	53° 44' N 5° 19' E	268	13	16	89	1	-	1260	154	26
	13-3	60	0634	36	17.50	54° 54' N 5° 02' E	42	2	20	5	-	-	924	21	21
	LM 5330	6-3	44	0636	22	18.45	53° 54' N 7° 24' E	1944	4	-	-	-	-	2336	150
6-3		45	0635	18-2	21.50	53° 50' N 6° 35' E	289	-	-	-	-	-	612	-	-
JK 5430	26-2	26	0733	45	13.20	54° 15' N 4° 22' E	160	2	4	96	3	-	3060	695	229
	26-2	27	0733	43-4	15.25	54° 05' N 4° 15' E	33	-	4	15	-	-	2216	387	149
LMN 5430	4-3	33	0736	40	8.35	54° 05' N 7° 42' E	1002	18	-	-	-	-	4307	945	748
	4-3	34	0736	19	11.00	54° 22' N 7° 49' E	411	4	-	-	-	-	2277	70	13
	4-3	35	0736	38	13.55	54° 14' N 7° 20' E	608	41	8	-	-	-	3094	363	263
	4-3	36	0736	36	15.50	54° 20' N 7° 04' E	100	12	10	1	-	-	1823	361	296
	6-3	42	0837	11-1	11.20	54° 49' N 8° 01' E	30	-	-	-	-	-	62	-	-
	6-3	43	0737	11-1	15.00	54° 13' N 8° 13' E	5520	2	-	-	-	-	9643	437	-
	12-3	53	0735	31-3	8.25	54° 09' N 6° 20' E	452	1	1	21	-	-	4800	1356	756
	12-3	54	0735	34	10.55	54° 10' N 6° 52' E	972	5	3	6	1	-	2672	691	525
	12-3	55	0735	34	15.30	54° 28' N 6° 40' E	110	3	5	9	1	-	4157	557	206
	12-3	56	0735	34-3	17.50	54° 27' N 6° 12' E	36	2	24	7	-	-	1536	11	21
	JK 5530	18-2	2	0933	38-4	8.25	55° 12' N 4° 45' E	136	-	3	20	2	1	396	21
18-2		3	0933	43	11.15	55° 09' N 4° 16' E	79	-	9	8	3	3	1576	216	64
18-2		4	0933	32-3	14.00	55° 24' N 4° 26' E	732	2	10	354	-	-	7968	192	-
18-2		5	0933	41-3	16.15	55° 25' N 4° 45' E	145	-	6	312	1	9	1668	228	-
GEAR specifications: 73 feet herring trawl with small meshed inner codend. Headline with two kites. Bridles 54 feet legs 20 fathom otterboards 3.20 m2.															

GEAR specifications: 73 feet herring trawl with small meshed inner codend. Headline with two kites. Bridles 54 feet legs 20 fathom otterboards 3.20 m2.

notes:

TABLE Ie ctd.

COUNTRY: The Netherlands SHIP : "Tridens						YEAR : 1975			IYHS						
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA- TION	STAT. RECT.	DEPTH m.	TIME SHOT MET.	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
EF 5530	24-2	17	1030	76	16.40	55°53'N 1°23'E	-	5	2	3528	49	16	3456	120	48
LMN 5530	6-3	41	0937	16-18	8.40	55°12'N 8°02'E	6	-	-	-	-	-	20	-	-
EF 5630	24-2	15	1229	76-81	9.30	56°42'N 0°30'E	4	2	2	1888	544	-	72	25	9
	24-2	16	1129	76	13.20	56°13'N 0°33'E	-	8	-	4264	2340	52	7432	1122	26
	24-2	18	1130	76	19.50	56°18'N 1°25'E	-	4	2	584	80	16	64	4	12
	24-2	19	1230	89-87	22.40	56°42'N 1°25'E	6	-	6	720	48	-	234	22	-
GH 5630	25-2	24	1232	61-63	21.50	56°51'N 3°16'E	18	-	-	174	8	4	328	4	4
	26-2	25	1231	65	00.10	56°38'N 2°49'E	2	-	-	112	24	-	10	2	-
LM 5630	5-3	37	1136	24-22	8.15	56°06'N 7°25'E	17	-	12	1	1	-	484	6	1
	5-3	38	1136	25	10.45	56°11'N 7°43'E	-	-	35	-	-	-	34	-	-
	5-3	39	1136	29	13.40	56°26'N 7°20'E	18	3	42	12	1	1	58	8	8
	5-3	40	1136	31	16.20	56°16'N 7°05'E	3	5	31	46	-	-	435	370	200
EF 5730	25-2	20	1430	83-85	8.15	57°43'N 1°31'E	2	24	2	3726	3798	216	194	99	11
	25-2	21	1330	86	11.00	57°19'N 1°30'E	1	2	2	7105	1015	-	21280	93	82
GH 5730	25-2	22	1331	74	15.30	57°15'N 2°31'E	34	8	30	336	1240	236	10	2	2
	25-2	23	1332	60-58	19.10	57°12'N 3°22'E	16	-	-	162	-	4	452	4	4
CD 5930	21-2	14	1727	107	10.05	59°12'N 1°26'W	2	46	10	7744	4347	1733	270	3360	8610
GH 5930	19-2	6	1732	146	15.30	59°17'N 3°16'E	-	18	-	1277	67	-	228	308	262
	19-2	7	1832	144-128	18.45	59°45'N 3°08'E	-	74	-	2530	617	21	154	276	236
	19-2	8	1831	108-110	21.30	59°40'N 2°30'E	-	40	10	531	1532	369	91	111	122
	20-2	9	1731	119-113	00.20	59°18'N 2°30'E	-	10	-	165	391	20	592	256	194
EF 6030	20-2	10	1930	108-110	17.25	60°18'N 1°46'E	6	186	6	3088	3120	264	720	604	332
	20-2	11	1930	135-137	20.35	60°25'N 1°23'E	-	26	6	762	119	27	101	100	95
	20-2	12	2029	130-132	23.25	60°41'N 0°38'E	-	22	14	1299	472	65	17	111	142
	21-2	13	1929	148-144	03.20	60°07'N 0°10'E	-	6	8	1944	138	-	26	77	39
GEAR specifications:															

TABLE If.

COUNTRY : Denmark SHIP : "Dana"							YEAR : 1975			IYHS					
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA- TION	STAT. RECT.	DEPTH m.	TIME SHOT	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
EF 5430	21-2	16637	0830	46-39	08.28	54°51'N 01°10'E	560	35	18	322	100	20	640	1083	652
	21-2	16638	0830	25	12.55	54°44'N 01°40'E	17	-	-	-	-	-	-	2	12
EF 5530	26-2	16651	0930	37	12.18	55°10'N 01°41'E	53	2	3	57	2	-	6	4	
GH 5330	13-2	16620	0632	43	08.45	53°57'N 03°52'E	335	-	8	62	-	-	18431	1893	499
	13-2	16621	0632	40	12.25	53°50'N 03°49'E	278	-	-	21	-	-	5429	227	45
	14-2	16623	0632	46	08.38	53°57'N 03°45'E	198	-	4	85	-	-	22139	2063	543
	14-2	16624	0632	38	12.00	53°51'N 03°44'E	330	-	3	-	-	-	5236	280	140
GH 5430	25-2	16647	0832	44	08.28	54°44'N 03°33'E	122	-	-	2	-	-	632	27	24
	25-2	16648	0832	42	11.58	54°40'N 03°20'E	212	-	-	2	-	1	1364	6	11
	25-2	16649	0831	21	16.19	54°39'N 02°41'E	6	-	-	-	-	-	1	-	-
	26-2	16650	0831	24	07.36	54°47'N 02°29'E	9	-	-	-	-	-	11	-	-
GH 5530	22-2	16639	0931	35	07.49	53°12'N 02°29'E	74	70	4	23	71	8	27	670	380
	22-2	16640	0931	39	10.27	55°19'N 02°26'E	56	8	2	14	14	3	50	1281	683
	22-2	16641	0932	30	15.05	55°19'N 03°13'E	10	-	2	-	-	-	9	-	3
	24-2	16646	0932	40	13.45	55°04'N 03°35'E	166	-	4	1	-	-	114	3	1
JK 5430	10-2	16615	0734	42	15.17	54°27'N 05°55'E	29	1	2	16	-	-	1786	36	18
	11-2	16616	0734	42	09.00	54°19'N 05°29'E	110	2	3	9	1	-	1914	94	100
	11-2	16617	0734	42	14.33	54°19'N 05°27'E	191	1	2	6	-	-	2428	290	174
	12-2	16618	0734	45	08.11	54°10'N 05°04'E	56	3	6	85	4	-	165	316	165
JK 5530	15-2	16628	0934	44	08.10	55°15'N 05°25'E	196	-	6	188	1	-	1244	36	44
	15-2	16630	0934	46	15.00	55°23'N 05°12'E	610	-	2	87	-	3	1642	25	-
	16-2	16631	0933	50	08.22	55°17'N 04°45'E	290	-	6	62	2	2	458	42	12
	23-2	16643	1033	49	11-12	55°52'N 04°11'E	11	1	2	11	1	1	18	28	10
	23-2	16644	1033	56	13.58	55°59'N 04°13'E	12	-	-	129	-	2	28	43	3
	24-2	16645	0933	48	08.28	55°21'N 04°20'E	113	1	3	10	-	-	221	14	6
LM 5430	10-2	16613	0835	21	07.32	54°44'N 06°40'E	109	3	2	24	1	-	1043	28	-
	10-2	16614	0835	42	11.04	54°42'N 06°12'E	132	1	3	53	1	-	2541	23	8
LM 5530	7-2	16608	1036	17	16.35	55°47'N 07°37'E	191	-	-	-	-	-	625	-	-
	8-2	16609	0936	27	08.00	55°28'N 07°19'E	445	-	11	-	-	-	820	2	-
	8-2	16610	0936	25	14.09	55°20'N 07°30'E	79	3	3	-	-	-	1905	-	-
	9-2	16611	0936	25	08.40	55°19'N 07°40'E	86	-	6	-	-	-	1374	-	-
	9-2	16612	0936	32	14.13	55°02'N 07°40'E	4363	2	8	59	-	-	23986	32	-
LM 5630	5-2	16603	1136	35	13.15	56°23'N 07°09'E	336	21	-	47	-	-	4412	59	70
	5-2	16604	1136	35	15.03	56°21'N 07°06'E	285	2	5	10	-	-	4026	26	13
	7-2	16606	1136	28	08.33	56°08'N 07°20'E	281	2	-	-	-	-	698	6	6
	7-2	16607	1136	28	12.03	56°00'N 07°12'E	495	27	-	-	-	-	526	49	12
	27-2	16657	1135	42	08.15	56°12'N 06°27'E	263	8	6	264	4	2	12707	18	6
	27-2	16658	1135	40	11.56	56°25'N 06°58'E	244	2	15	2	2	1	3743	-	-
	27-2	16660	1236	35	18.16	56°55'N 07°15'E	436	18	2	634	1	-	204	17	9
NO 5730	28-2	16663	1438	275	11.50	57°56'N 09°18'E	-	1	-	28	-	2	3	-	-
	28-2	16665	1438	145	18.19	57°53'N 09°24'E	2	4	4	310	13	2	28	8	11
PQ 5730	1-3	16666	1439	100	07.45	58°00'N 10°22'E	-	5	1	46	2	-	319	13	1
	1-3	16667	1439	185	10.50	57°57'N 10°46'E	-	15	6	605	8	2	130	12	-
GEAR specifications :															

TABLE Ig

COUNTRY : USSR SHIP : "Antares"						YEAR : 1975			IYHS						
Summary catches of Cod, Haddock and Whiting yearclasses in numbers per hour fishing.															
AREA	DATE	STA- TION	STAT. RECT.	DEPTH m.	TIME SHOT	POSITION	COD			HADDOCK			WHITING		
							I 1974	II 1973	older	I 1974	II 1973	older	I 1974	II 1973	older
GH 5330	16-2	11	3206	36	06.50	53°47'N 3°24'E			(2)	-	-	-	12	12	8
	16-2	12	3206	39	09.40	53°38'N 3°25'E			(16)	-	-	-	22	8	2
	16-2	13	3206	35	12.20	53°42'N 3°38'E			(10)	-	-	-	30	18	-
JK 5430	18-2	15	3307	46	06.40	54°14'N 4°42'E			(4)	-	-	-	64	198	108
	18-2	16	3307	47	08.00	54°17'N 4°55'E			(8)	-	-	-	10	18	10
	18-2	17	3407	42	10.55	54°25'N 5°09'E			(-)	-	-	-	-	-	(2)
	18-2	18	3407	42	12.25	54°24'N 5°31'E			(-)	-	-	-	24	64	24
GH 5530	15-2	3	3110	78	07.25	55°33'N 2°01'E			(34)	250	52	40	46	90	24
	15-2	4	3110	83	09.12	55°37'N 2°05'E			(10)	238	6	10	22	8	2
	15-2	7	3109	55	14.35	55°27'N 2°04'E			(4)	454	-	2	256	8	-
	15-2	8	3109	35	15.40	55°21'N 2°20'E			(4)	206	2	-	266	4	-
	15-2	9	3109	31	16.45	55°15'N 2°34'E			(-)	82	-	-	52	-	-
JK 5530	19-2	25	3410	48	17.30	55°35'N 5°51'E			(4)	114	-	-	24	6	2
	20-2	26	3410	52	05.30	55°59'N 5°31'E			(4)	-	-	(12)	-	-	(4)
LM 5530	19-2	19	3609	27	08.10	55°22'N 7°03'E			(4)	-	-	-	-	-	(2)
	19-2	21	3509	40	10.30	55°13'N 6°32'E			(-)	10	18	-	-	-	-
	19-2	22	3509	42	12.45	55°27'N 6°27'E			(2)	-	-	(14)	72	14	-
	19-2	23	3510	45	14.35	55°32'N 6°20'E			(2)	176	2	-	186	8	4
	19-2	24	3510	45	16.10	55°35'N 6°04'E			(2)	434	-	2	226	32	6
JK 5630	20-2	27	3312	63	09.40	56°45'N 4°44'E			(16)	298	108	14	42	12	4
	20-2	28	3312	60	11.40	56°56'N 4°44'E			(4)	32	8	-	-	-	-
EF 5730	26-2	41	2913	88	06.25	57°25'N 0°48'E			(10)	430	588	56	38	8	-
	26-2	42	2914	120	08.40	57°40'N 0°56'E			(8)	1964	1176	496	56	32	80
	26-2	43	3014	105	11.15	57°52'N 1°08'E			(-)	160	230	2	620	14	4
JK 5730	20-2	29	3313	64	13.25	57°05'N 4°47'E			(2)	36	4	-	52	8	18
	20-2	30	3313	65	15.45	57°21'N 4°42'E			(4)	58	36	-	36	-	-
NO 5730	22-2	31	3713	65	06.30	57°25'N 8°16'E			(40)	157	2	12	212	72	10
	22-2	32	3713	62	07.50	57°28'N 8°27'E			(136)	258	8	12	254	42	4
CD 5830	27-2	45	2715	169	06.35	58°24'N 1°13'W			(36)	1176	902	38	730	80	32
	27-2	46	2716	120	09.35	58°41'N 1°10'W			(6)	556	142	6	100	44	24
GH 5830	23-2	35	3116	120	11.40	58°42'N 2°45'E			(2)	1826	426	-	100	18	-
	23-2	36	3115	80	15.20	58°27'N 2°19'E			(-)	1126	402	-	1072	14	-
EF 5930	24-2	37	3017	110	06.40	59°27'N 1°18'E			(120)	830	1804	320	10	4	-
	24-2	38	3018	120	09.20	59°39'N 1°07'E			(-)	1448	1522	20	174	48	6
	24-2	39	2918	124	11.20	59°32'N 0°49'E			(-)	1094	388	30	140	172	174
GEAR specifications :															

NOTES : Figures in brackets represent total catches (no length distributions available).

SCOTLAND					FEDERAL REPUBLIC OF GERMANY					F.R.OF G. Ctd				
station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older
5	2810	-	1	-	152	3304	-	-	-	438	2913	-	-	-
1	2710	110	35	-	155	3304	-	-	-	443	3013	-	-	-
4	2710	30	231	47	161	3304	-	-	-	449	2914	90	15	-
2	2710	1	99	8	167	3304	-	-	-	344	3413	-	-	-
15	2812	121	49	-	189	3206	-	-	-	352	3314	-	-	-
16	2812	645	576	-	192	3206	-	-	-	801	3313	-	-	-
14	2811	-	-	-	197	3206	-	-	-	805	3313	-	-	-
13	2811	-	-	-	202	3206	-	-	-	333	3613	-	-	-
11	2711	-	-	-	223	3308	-	-	-	338	3513	-	-	-
22	2713	209	9	-	227	3308	-	-	-	669	2616	-	-	-
24	2813	-	1	-	231	3408	-	-	-	673	2515	-	-	-
					235	3408	-	-	-	676	2514	-	-	-
					258	3607	-	-	-	680	2614	10	7	1
					261	3607	-	-	-	684	2615	-	-	-
					265	3607	-	-	-	701	2815	2390	436	-
					270	3607	-	-	-	714	2715	1378	203	12
					296	3608	-	-	-	767	2816	750	288	-
					298	3608	-	-	-	772	2716	1798	770	-
					302	3608	-	-	-	468	3015	859	955	11
					306	3608	-	-	-	471	3015	14793	3885	461
					401	2710	-	-	-	476	3016	9223	1163	-
					407	2710	830	-	-	481	3016	2921	1064	-
					412	2710	234	-	-	567	2916	5537	1294	42
					311	3609	-	-	-	571	2916	10384	3546	-
					435	2912	17	283	43	574	2915	2868	212	-
					364	3211	-	-	-	579	2915	11697	623	44
					369	3211	-	-	-	652	2618	-	126	-
					374	3111	-	-	-	656	2617	-	4264	-
					379	3111	-	-	-	643	2818	15041	57086	683
					809	3312	-	-	-	649	2718	627	3895	383
					812	3312	-	-	-	748	2817	808	208	8
					704	2814	2002	301	5	732	2918	3788	1280	-
					709	2714	500	314	11	735	3018	-	-	-
										739	3017	586	502	-
										744	2917	2502	594	-

TABLE II - Catches per hour fishing of NORWAY POUT per age group
(For additional information on the trawl hauls of
Table I).

TABLE II - Ctd. NORWAY POUT.

F.R. OF G. Ctd.					NORWAY					NORWAY Ctd.				
Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older
639	2819	8111	27408	171	12	3006	-	-	-	36	3115	-	-	-
498	3219	3622	3621	312	13	3006	-	-	-	39	3216	9321	419	-
500	3219	2914	30601	910	10	3106	-	-	-	40	3215	8467	653	-
505	3119	3930	162	-	11	3106	-	-	-	41	3115	-	-	-
510	3119	4789	272	-	8	3406	-	-	-	42	3116	11930	2030	-
514	3120	2557	535	30	9	3406	-	-	-	32	3315	23006	2092	-
537	3220	-	-	-	14	3107	-	-	-	33	3315	29301	1076	-
541	3220	3056	9167	-	15	3107	-	-	-	37	3218	57753	2047	-
545	3120	1021	579	-	16	3207	-	-	-	38	3217	194	2	-
531	3121	3590	1411	31	17	3207	-	-	-	43	3117	17472	624	-
533	3121	1650	5504	236	2	3608	-	-	-	44	3118	-	-	-
					3	3608	-	-	-					
					4	3608	-	-	-					
					5	3608	-	-	-					
					6	3507	-	-	-					
					7	3507	-	-	-					
					18	3210	-	-	-					
					19	3210	-	-	-					
					20	3110	-	-	-					
					21	3110	-	-	-					
					1	3411	-	-	-					
					22	3311	-	-	-					
					23	3311	-	-	-					
					24	3411	-	-	-					
					27	3612	-	-	-					
					34	3214	-	-	-					
					35	3114	-	-	-					
					28	3414	9849	329	-					
					29	3414	64400	-	-					
					30	3413	4217	338	-					
					31	3314	10857	156	78					
					25	3513	541	42	-					
					26	3613	-	-	-					

TABLE II - Ctd. NORWAY POUT.

ENGLAND					THE NETHERLANDS					THE NETHERLANDS Ctd.				
Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older
43	3204	-	-	-	61	3203	-	-	-	17	3010	-	-	-
44	3204	-	-	-	1	3304	-	-	-	41	3709	-	-	-
53	3104	-	-	-	29	3303	-	-	-	15	2912	-	-	-
37	3304	-	-	-	30	3304	-	-	-	16	2911	-	-	-
38	3304	-	-	-	31	3304	-	-	-	18	3011	-	-	-
39	3304	-	-	-	32	3304	-	-	-	19	3012	246	2	-
40	3304	-	-	-	28	3306	-	-	-	24	3212	-	-	-
21	2906	-	-	-	46	3305	-	-	-	25	3112	-	-	-
52	3005	-	-	-	47	3305	-	-	-	37	3611	-	-	-
45	3205	-	-	-	48	3305	-	-	-	38	3611	-	-	-
47	3205	-	-	-	49	3305	-	-	-	39	3611	-	-	-
48	3105	-	-	-	50	3306	-	-	-	40	3611	-	-	-
49	3105	-	-	-	51	3306	-	-	-	20	3014	-	10	-
31	3206	-	-	-	52	3306	-	-	-	21	3013	-	-	-
33	3406	-	-	-	57	3406	-	-	-	22	3113	10	-	-
34	3205	-	-	-	58	3406	-	-	-	23	3213	-	-	-
36	3305	-	-	-	59	3406	-	-	-	14	2717	3413	5547	266
14	2808	80	8	-	60	3406	-	-	-	6	3217	43520	720	-
16	2808	13	-	-	44	3606	-	-	-	7	3218	1024	1888	32
9	2908	12	4	-	45	3506	-	-	-	8	3118	4	10	-
10	2908	-	-	-	26	3307	-	2	-	9	3117	960	960	64
18	2907	-	-	-	27	3307	-	-	-	10	3019	21568	3008	-
23	3007	-	-	-	33	3607	-	-	-	11	3019	9984	36480	1536
24	3007	-	-	-	34	3607	-	-	-	12	2920	20256	29856	-
1	2710	-	4	6	35	3607	-	-	-	13	2919	57173	1707	-
2	2710	-	-	-	36	3607	-	-	-					
3	2710	1	-	-	42	3708	-	-	-					
4	2710	-	-	-	43	3707	-	-	-					
12	2809	-	-	-	53	3507	-	-	-					
13	2809	8	20	5	54	3507	-	-	-					
7	2909	14	42	-	55	3507	-	-	-					
8	2909	3	-	-	56	3507	-	-	-					
26	3409	-	-	-	2	3309	-	1	-					
27	3409	-	-	-	3	3309	-	-	-					
28	3409	-	-	-	4	3309	-	-	-					
29	3409	-	-	-	5	3309	-	-	-					

TABLE II - Ctd. NORWAY POUF.

DENMARK					DENMARK Ctd.					USSR				
Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older	Station	Statist. rectangle	I 1974	II 1975	older
16637	3008	-	-	-	16603	3611	-	-	-	11	3206	-	-	-
16638	3008	-	-	-	16604	3611	-	-	-	12	3206	-	-	-
16651	3009	-	-	-	16606	3611	-	-	-	13	3206	-	-	-
16620	3206	-	-	-	16607	3611	-	-	-	15	3307	-	-	-
16621	3206	-	-	-	16657	3511	-	-	-	16	3307	-	-	-
16623	3206	-	-	-	16658	3511	-	-	-	17	3407	-	-	-
16624	3206	-	-	-	16660	3612	-	-	-	18	3407	-	-	-
16647	3208	-	-	-	16663	3814	373	55	-	3	3110	362	406	24
16648	3208	-	-	-	16665	3814	2746	328	-	4	3110	-	-	-
16649	3108	-	-	-	16666	3914	836	46	-	7	3109	-	-	-
16650	3108	-	-	-	16667	3914	962	26	-	8	3109	-	-	-
16639	3109	-	-	-						9	3109	-	-	-
16640	3109	-	-	-						25	3410	-	-	-
16641	3209	-	-	-						26	3410	-	-	-
16646	3209	-	-	-						19	3609	-	-	-
16615	3407	-	-	-						21	3509	-	-	-
16616	3407	-	-	-						22	3509	-	-	-
16617	3407	-	-	-						23	3510	-	-	-
16618	3407	-	-	-						24	3510	-	-	-
16628	3409	-	-	-						27	3312	-	-	-
16630	3409	-	-	-						28	3312	-	-	-
16631	3309	-	-	-						41	2913	-	-	-
16643	3310	-	-	-						42	2914	7042	1058	16
16644	3310	-	-	-						43	3014	-	-	-
16645	3309	-	-	-						29	3313	-	-	-
16613	3508	-	-	-						30	3313	-	-	-
16614	3508	-	-	-						31	3713	-	-	-
16608	3610	-	-	-						32	3713	-	-	-
16609	3609	-	-	-						45	2715	1056	156	10
16610	3609	-	-	-						46	2716	156	68	-
16611	3609	-	-	-						35	3116	824	1212	62
16612	3609	-	-	-						36	3115	-	-	-
										37	3017	-	-	-
										38	3018	-	-	-
										39	2918	2982	1011	-

TABLE III

ALL COUNTRIES COMBINED										YEAR : 1975										IYHS					
SUMMARY LENGTH DATA PER YEARCLASS AND AREA																									
AREA	COD						HADDOCK						WHITING						NORWAY POUT						
	1974			1973			1974			1973			1974			1973			1974			1973			
	L	S ²	range	L	S ²	range	L	S ²	range	L	S ²	range	L	S ²	range	L	S ²	range	L	S ²	range	L	S ²	range	
GH 5230	23.3	13.69	16-29	46.0	25.67	38-50	-	-	-	-	-	-	19.4	15.98	8-28	27.9	6.32	20-34	-	-	-	-	-	-	
JK 5230	24.7	15.59	16-36	42.4	41.11	27-60	22.8	0.34	22-24	36.0	9.00	32-39	21.9	11.21	7-29	29.3	4.15	24-38	-	-	-	-	-	-	
EF 5330	18.6	31.55	12-31	45.3	9.77	40-60	21.8	0.44	20-23	-	-	-	17.1	6.25	8-26	27.6	2.02	25-30	-	-	-	-	-	-	
GH 5330	16.4	7.89	9-31	41.9	0.62	41-44	20.9	3.31	16-26	-	-	-	16.7	6.49	7-26	24.9	3.24	20-32	-	-	-	-	-	-	
JK 5330	21.6	28.93	10-38	46.9	50.25	34-57	23.8	3.57	19-29	32.0	0.50	31-33	19.2	10.34	6-25	28.0	5.53	24-36	-	-	-	-	-	-	
LM 5330	25.3	18.19	18-33	46.5	-	40-53	-	-	-	-	-	-	20.2	10.17	12-27	28.9	3.86	26-31	-	-	-	-	-	-	
CD 5430	15.3	5.29	11-20	32.8	58.20	25-52	19.5	1.99	16-25	31.8	8.41	26-36	16.8	3.27	9-24	26.5	2.30	22-30	13.0	1.01	11-15	15.5	-	15-16	
EF 5430	18.3	11.56	10-32	31.1	8.74	24-45	20.1	3.80	11-27	32.3	5.66	26-38	17.3	6.70	8-25	25.5	4.08	21-32	11.5	0.73	10-13	16.5	-	16-17	
GH 5430	13.8	4.75	9-23	-	-	-	21.8	5.20	19-27	-	-	-	14.2	7.48	6-25	23.7	3.43	20-27	-	-	-	-	-	-	
JK 5430	17.4	15.03	9-30	37.9	44.03	25-48	21.7	2.10	18-27	29.7	33.18	21-34	16.9	8.71	8-29	26.1	3.76	21-31	-	-	-	-	-	-	
LM 5430	18.6	18.14	9-37	45.1	46.68	30-60	21.6	2.79	17-27	33.3	4.93	30-36	18.9	10.98	6-27	28.0	6.67	22-35	-	-	-	-	-	-	
NO 5430	Added to LM 5430						-	-	-	-	-	-	20.6	8.04	11-27	25.0	1.70	23-27	-	-	-	-	-	-	
CD 5530	14.8	9.37	11-28	37.3	30.21	23-51	17.9	2.62	13-26	27.9	8.50	20-36	17.8	2.40	11-25	25.3	3.81	21-31	9.9	2.21	8-16	17.5	1.40	14-21	
EF 5530	14.4	12.80	9-26	37.0	-	31-43	19.8	2.34	15-28	29.5	10.56	23-37	17.4	2.70	10-24	24.7	3.84	22-31	13.1	1.50	11-15	18.2	1.24	16-20	
GH 5530	14.8	28.54	8-30	40.0	23.47	28-51	20.5	2.99	15-28	32.9	7.40	24-39	17.1	6.05	7-26	25.2	4.00	20-34	13.4	1.19	10-16	16.7	1.12	14-19	
JK 5530	14.5	8.86	8-27	38.2	15.24	33-46	20.9	2.82	15-27	34.2	9.49	29-39	16.1	4.93	7-26	25.6	4.09	20-32	-	-	-	-	-	-	
LM 5530	16.4	9.63	8-29	44.9	29.78	36-53	21.7	2.40	16-28	26.8	21.25	20-35	16.3	4.17	9-26	27.2	4.40	20-32	-	-	-	-	-	-	
NO 5530	Added to LM 5530						-	-	-	-	-	-	15.3	10.41	10-16	28.2	7.47	-	-	-	-	-	-	-	
CD 5630	13.3	2.92	10-28	33.3	34.01	23-47	16.7	2.46	12-24	26.5	6.30	22-36	17.0	2.46	9-25	24.2	2.22	21-30	13.5	0.58	12-16	15.5	1.51	14-19	
EF 5630	12.7	2.20	10-15	31.6	18.48	25-37	17.4	2.48	13-23	28.0	5.76	23-33	17.7	2.74	11-23	24.0	1.29	21-27	13.0	0.47	11-15	18.0	0.85	14-21	
GH 5630	15.8	6.92	13-20	34.5	-	34-35	19.7	3.08	13-26	30.2	5.40	24-37	15.6	16.92	11-23	24.7	4.04	21-30	-	-	-	-	-	-	
JK 5630	17.9	14.30	9-24	34.8	47.57	27-43	19.3	2.90	14-25	27.1	33.60	19-39	16.1	4.48	8-24	25.7	3.51	22-31	-	-	-	-	-	-	
LM 5630	15.3	11.31	8-28	35.9	24.45	25-55	21.3	3.31	16-28	36.3	5.29	32-39	15.5	3.53	8-27	26.5	7.05	20-35	-	-	-	-	-	-	
AB 5730	-	-	-	48.0	-	40-46	Added to AB 5830						15.4	3.84	12-23	24.5	5.05	21-31	13.6	0.54	12-15	16.8	1.24	15-19	
CD 5730	15.8	6.21	10-23	36.3	25.65	27-48	15.9	1.50	11-24	25.1	11.76	19-39	17.6	5.19	13-25	25.0	3.89	21-31	13.1	0.89	10-16	16.6	1.73	14-20	
EF 5730	16.0	-	14-18	30.2	28.53	22-44	16.5	2.91	12-22	26.3	11.34	17-41	15.6	3.63	10-25	25.1	3.49	21-31	13.1	0.85	10-16	16.4	1.73	14-20	
GH 5730	14.6	3.36	11-18	37.8	57.33	32-47	16.9	3.57	12-22	28.4	6.00	22-35	16.0	2.96	8-22	27.2	2.97	23-30	13.7	0.62	12-15	-	-	-	
JK 5730	23.7	15.69	11-26	30.2	28.53	27-51	16.5	4.17	11-23	29.7	4.98	17-39	16.6	6.95	9-24	25.9	8.22	20-32	11.3	0.80	8-14	16.2	1.56	14-20	
LM 5730	15.1	13.83	9-26	33.1	50.91	27-51	18.1	4.12	13-25	32.3	9.92	25-41	17.6	6.87	9-24	26.6	4.95	21-32	10.8	0.63	8-14	15.5	0.71	14-18	
NO 5730	14.0	-	9-19	38.5	101.50	26-53	19.4	4.61	12-26	32.6	13.52	25-40	18.3	5.56	11-23	24.6	7.75	20-31	11.2	1.01	8-14	16.6	1.17	13-19	
PQ 5730	-	-	-	39.6	34.89	27-52	Added to NO 5730						17.6	4.64	10-25	25.1	12.75	20-33	11.5	1.13	7-14	16.2	1.67	13-19	
AB 5830	-	-	-	39.8	90.25	29-53	15.9	1.46	12-22	23.9	7.98	19-33	16.4	6.00	11-25	26.0	3.42	21-31	-	-	-	-	-	-	
CD 5830	-	-	-	39.5	45.66	34-54	16.5	1.94	11-22	25.3	8.65	19-36	19.3	10.41	12-25	26.6	2.09	21-31	13.1	0.91	10-16	16.4	1.25	14-19	
EF 5830	24.5	1.0	23-26	34.5	27.38	26-49	15.5	1.45	11-21	27.3	13.99	20-38	18.0	4.07	11-23	26.4	3.77	21-31	12.7	1.19	8-16	16.1	0.72	14-19	
GH 5830	-	-	-	41.5	63.43	32-52	14.9	2.35	10-21	24.6	11.64	17-38	18.9	10.02	10-28	27.5	11.40	21-34	11.7	1.06	8-15	16.0	0.89	14-19	
JK 5830	25.5	-	25-26	39.1	88.38	28-53	14.8	3.80	12-20	26.4	8.74	22-32	20.4	17.71	14-28	30.4	3.62	26-35	10.8	0.87	8-14	15.6	0.72	14-18	
AB 5930	24.5	-	24-25	44.7	35.70	36-52	17.7	1.66	14-21	27.0	11.07	21-38	18.7	0.44	18-21	24.7	3.81	21-28	-	-	-	16.0	1.50	12-19	
CD 5930	21.5	-	21-22	35.7	40.63	24-52	16.8	2.44	11-22	26.3	10.19	20-33	19.3	1.09	16-21	24.9	3.17	21-28	13.0	1.00	10-15	16.1	1.03	14-19	
EF 5930	-	-	-	34.9	30.89	25-51	15.2	3.00	11-21	25.2	9.97	17-39	19.9	7.25	15-25	26.6	3.73	21-31	12.5	1.01	10-15	15.9	0.94	14-19	
GH 5930	-	-	-	36.7	27.12	24-51	14.5	4.63	9-20	25.6	11.69	19-39	23.1	7.92	11-28	30.4	5.31	26-35	11.2	1.91	8-14	15.4	1.06	13-18	
CD 6030	-	-	-	36.9	12.28	31-42	14.7	2.48	11-19	22.6	4.61	19-31	22.8	7.59	20-27	29.4	4.86	26-36	12.1	0.38	11-14	15.5	1.27	13-19	
EF 6030	14.5	7.00	12-18	38.1	44.63	27-57	14.2	3.52	10-20	25.0	11.50	19-38	23.5	2.66	19-27	30.3	7.73	25-37	11.5	1.47	7-14	15.8	1.44	13-19	
GH 6030	16.8	12.33	13-21	36.4	35.63	27-55	15.6	2.20	11-22	24.5	7.00	19-35	22.1	6.88	18-27	30.1	7.91	25-37	10.6	0.71	8-13	15.7	1.15	13-18	
GH 6130	-	-	-	41.0	62.57	28-53	14.9	2.29	11-20	25.7	7.27	20-33	19.3	1.20	18-21	-	-	-	10.9	0.53	9-13	15.5	1.06	13-18	

Fig. 1. - Mean number per hour fishing of I-group cod (yearclass 1974)
 Figures in brackets represent number of valid hauls.

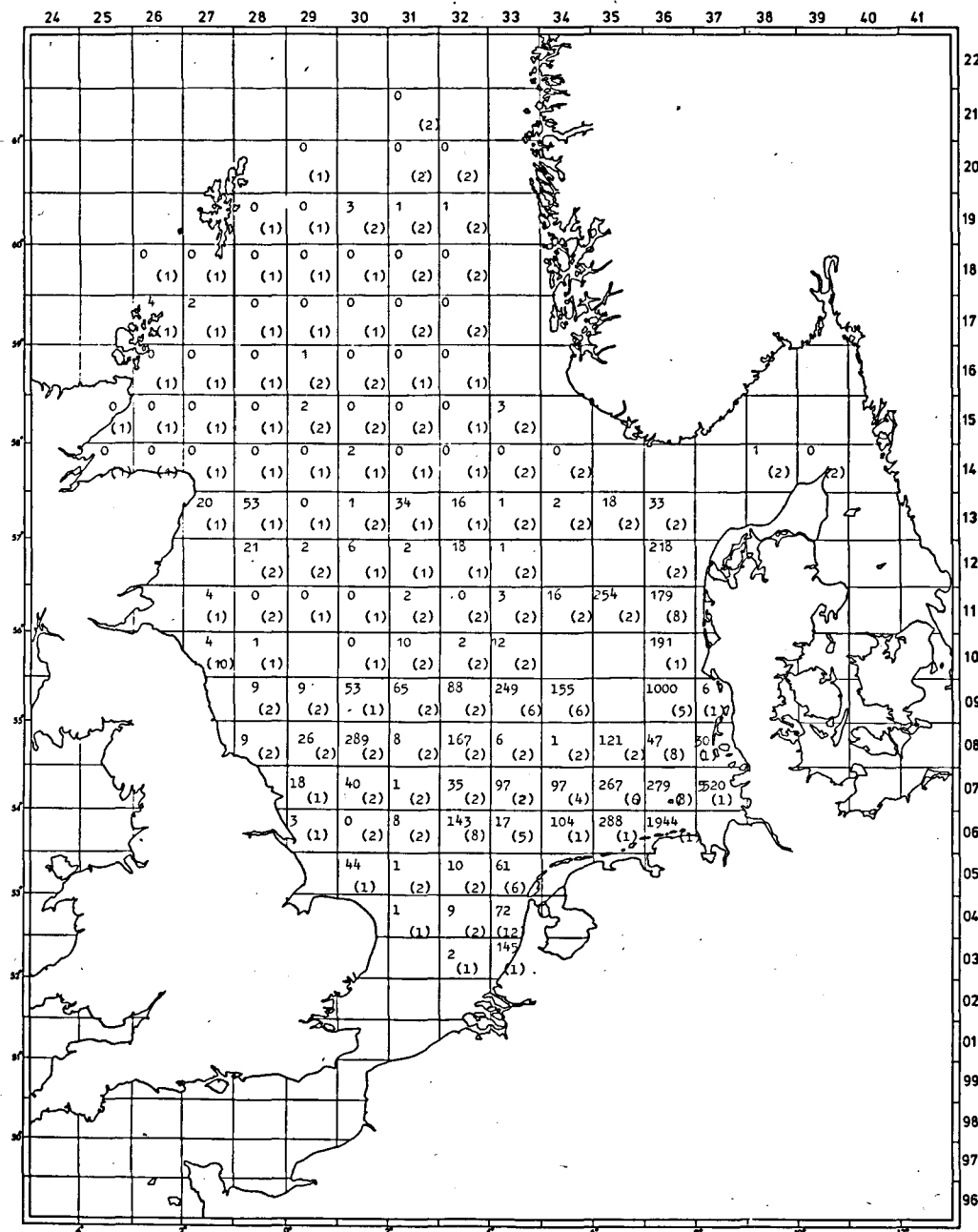


Fig. 2. - Mean number per hour fishing of II group cod (yearclass 1974)
 (For number of valid hauls see fig. 1).

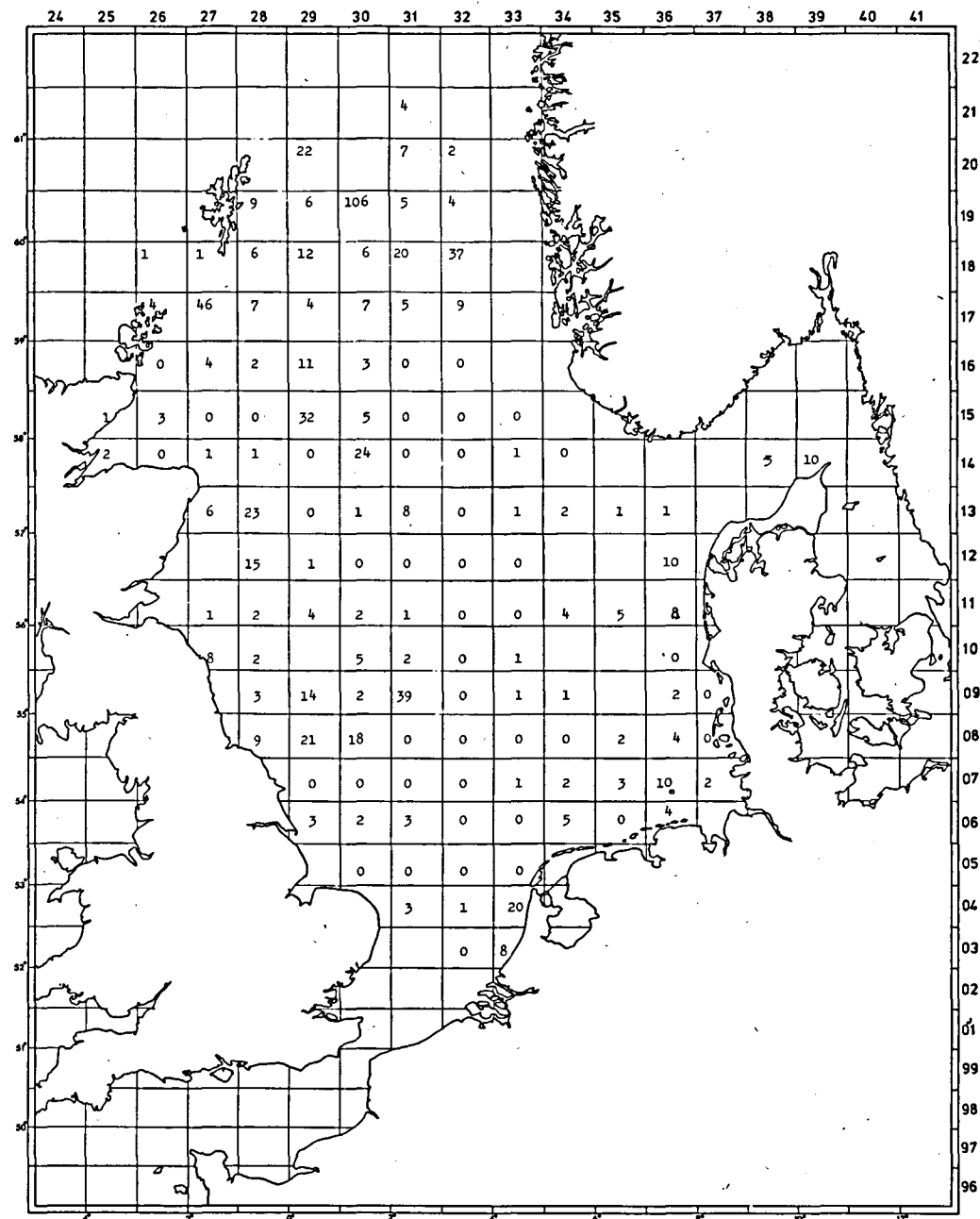


FIGURE 4 - Mean number per hour fishing of II-group HADDOCK (Yearclass 1973).
(For number of valid hauls see figure 3).

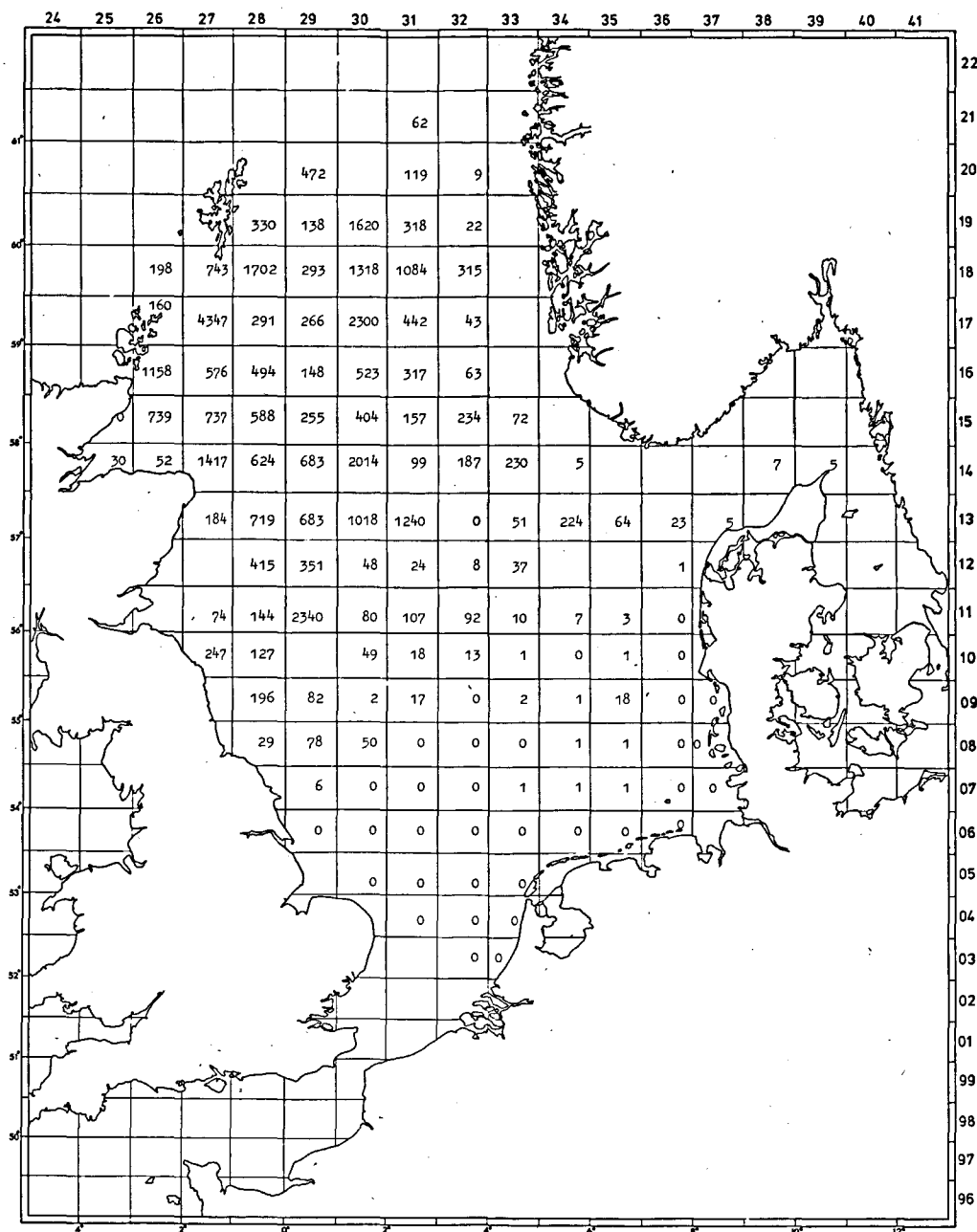


Fig. 3. - Mean number per hour fishing of I-group HADDOCK (yearclass 1974).
Figures in brackets represent number of valid hauls.

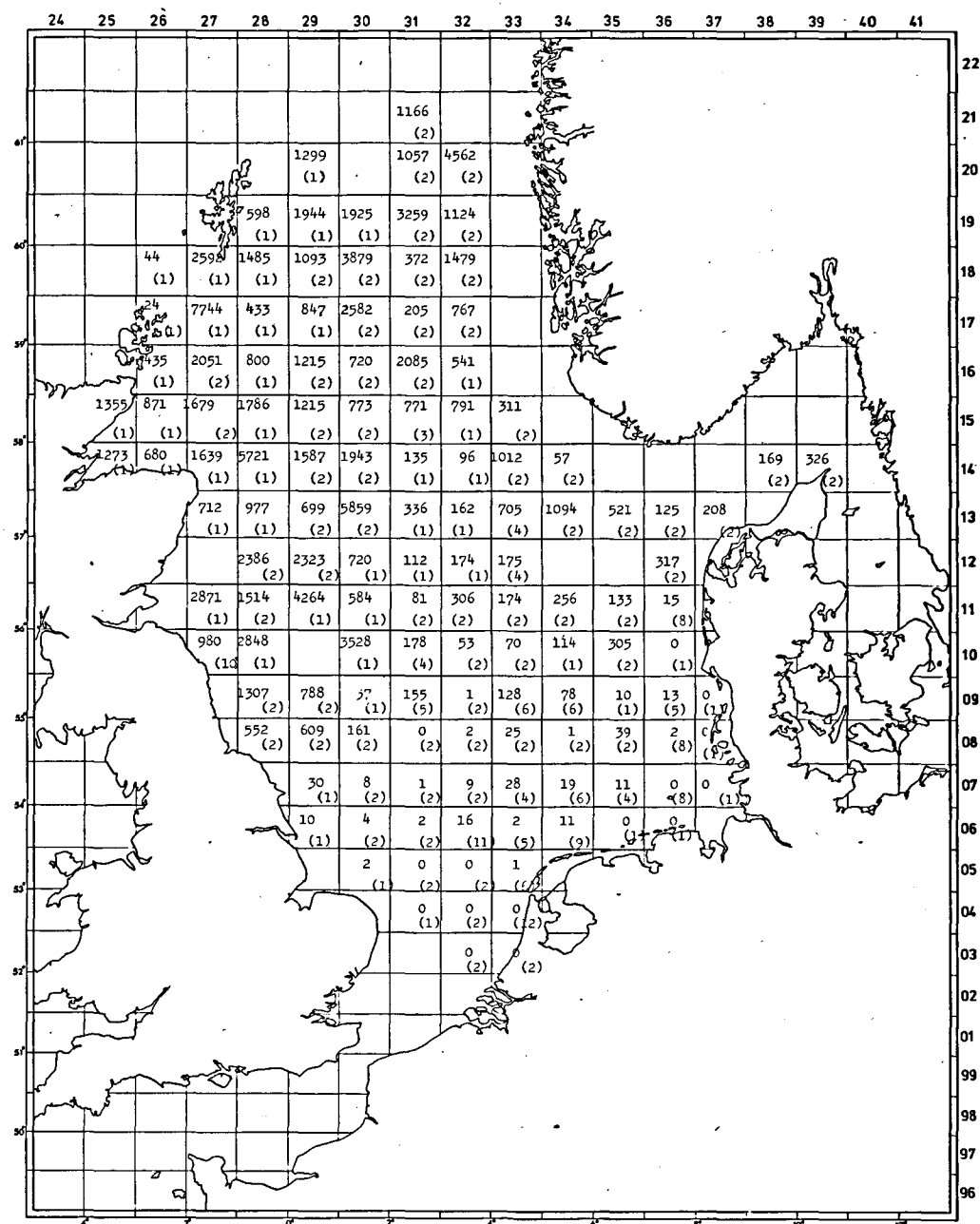


Fig. 5 - Mean number per hour fishing of I-group WHITING (Yearclass 1974)
 Figures in brackets represent number of valid hauls.

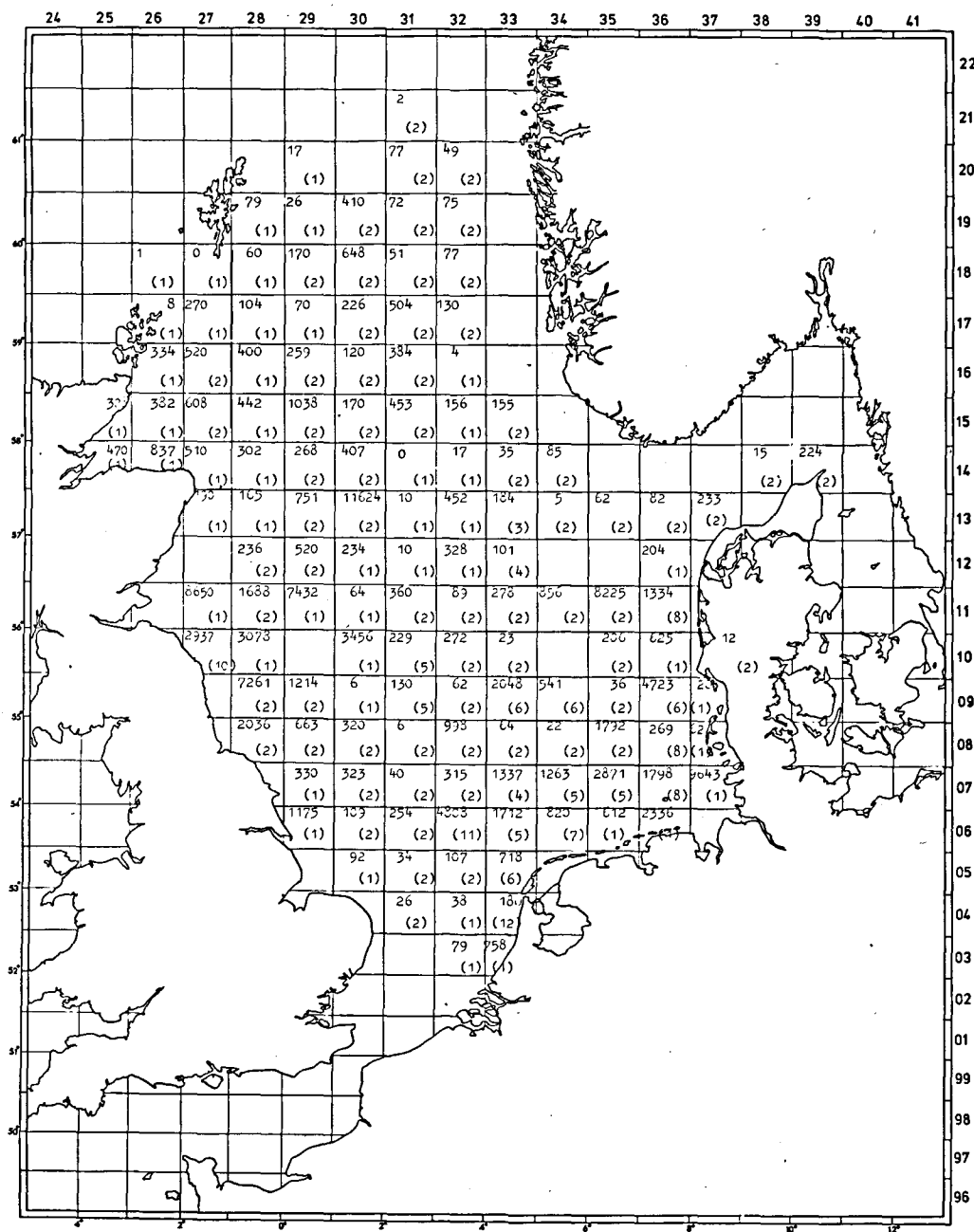
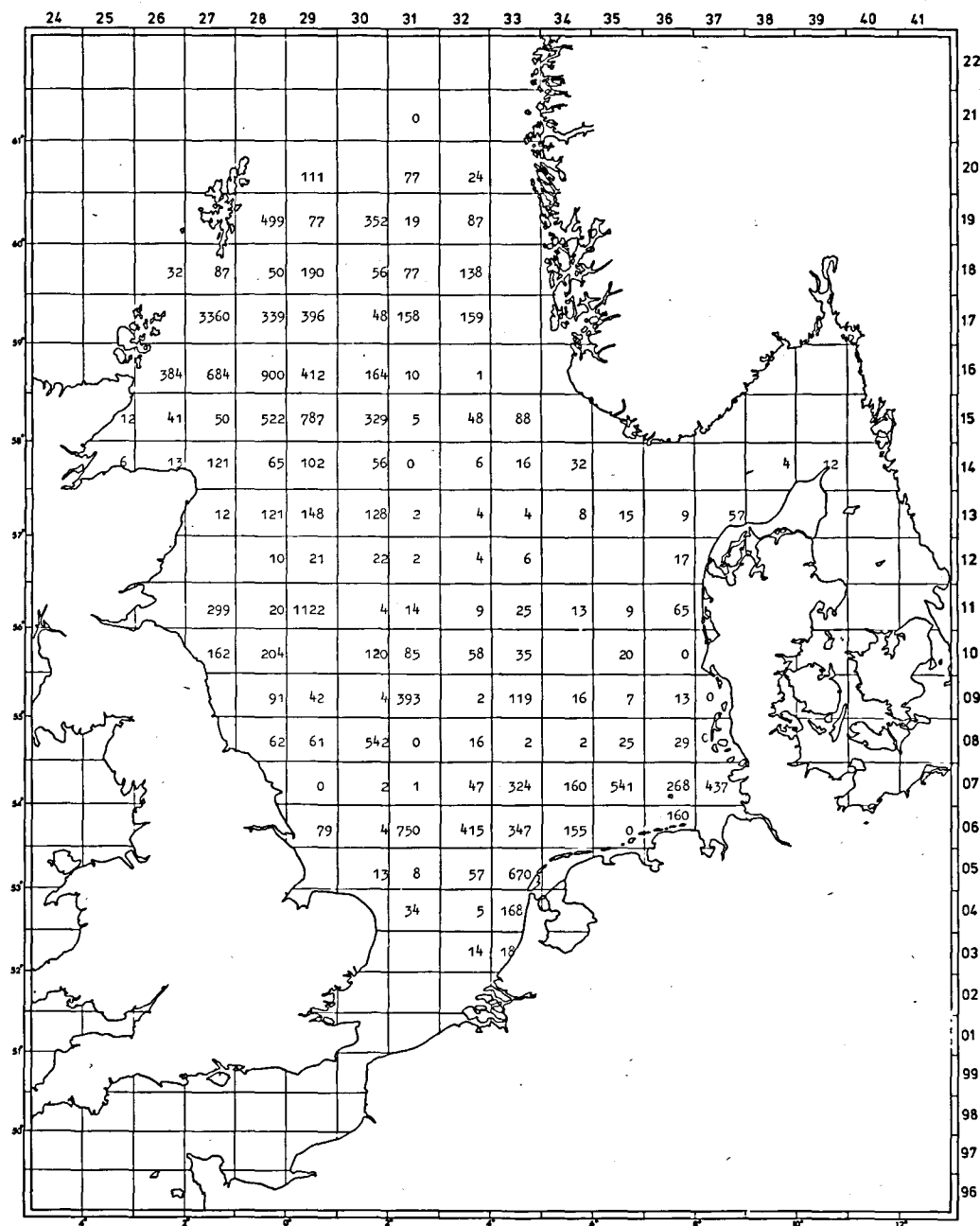


FIGURE 6 - Mean number per hour fishing of II-group WHITING (yearclass 1973)
 (For numbers of valid hauls see figure 5).



The map displays a grid of 1-degree squares covering the North Atlantic region. The grid is bounded by longitude 24 to 41 and latitude 2 to 9. The coastlines of North America, Europe, and Africa are shown. Data points are plotted in the grid cells, with values ranging from 0 to 57173. Some cells contain multiple values in parentheses, indicating different data series or measurements. The map is oriented with North at the top.

Latitude \ Longitude	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
9								2620 (2)										
8								1789 (2)	3056 (1)									
7								8111 (1)	57173 (1)	15776 (2)	4310 (2)	3268 (2)						
6								15041 (1)	3385 (2)	0 (1)	2 (2)	29389 (2)						
5								3413 (1)	808 (1)	1251 (2)	293 (2)	9216 (2)	21858 (2)					
4								977 (1)	750 (2)	7961 (2)	6072 (2)	6377 (2)	4661 (2)					
3								1217 (2)	2390 (1)	7283 (2)	7826 (2)	0 (2)	4234 (2)	25885 (2)				
2								10 (1)	500 (1)	2002 (1)	3536 (2)	0 (2)	0 (1)	10856 (1)	37125 (2)		1560 (2)	899 (2)
1								209 (1)	0 (1)	0 (1)	0 (2)	10 (1)	0 (1)	0 (4)	4217 (1)	541 (1)	0 (1)	0
0								385 (2)	9 (2)	246 (1)	0 (1)	0 (1)	0 (4)	0 (2)	0 (2)	0 (2)	0 (1)	0
-1								0 (1)	0 (2)	0 (1)	0 (1)	0 (2)	0 (6)	0 (5)	0 (3)	0 (8)	0 (1)	0
-2								121 (10)	0 (1)	0 (2)	91 (4)	0 (4)	0 (2)	0 (2)	0 (2)	0 (2)	0 (1)	0
-3								4 (2)	30 (2)	0 (1)	0 (6)	0 (2)	0 (6)	0 (6)	0 (7)	0 (7)	0 (7)	0
-4								47 (2)	6 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (2)	0 (8)	0 (1)	0
-5								0 (1)	0 (2)	0 (2)	0 (2)	0 (4)	0 (6)	0 (6)	0 (9)	0 (1)	0	0
-6								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-7								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-8								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-9								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-10								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-11								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-12								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-13								0 (1)	0 (2)	0 (2)	0 (2)	0 (6)	0 (6)	0 (1)	0 (1)	0	0	0
-14								0 (1)	0 (2)	0 (2)								

Map of the North Atlantic Ocean showing a grid of latitude and longitude coordinates. The map includes the coastlines of North America, Europe, and Africa. A grid of latitude and longitude lines is overlaid, with latitude ranging from 30°N to 60°N and longitude ranging from 24°W to 41°W. Numerical data values are printed in the grid cells, representing various measurements. The values are mostly zero, with some non-zero values scattered across the grid, particularly in the upper left and center. The map is titled "Map of the North Atlantic Ocean" and includes a scale bar at the bottom.

Fig. 9. - Mean number per hour fishing of III⁺ group NORWAY POUT (yearclass 1972 and older)
(For numbers of valid hauls see fig. 7).

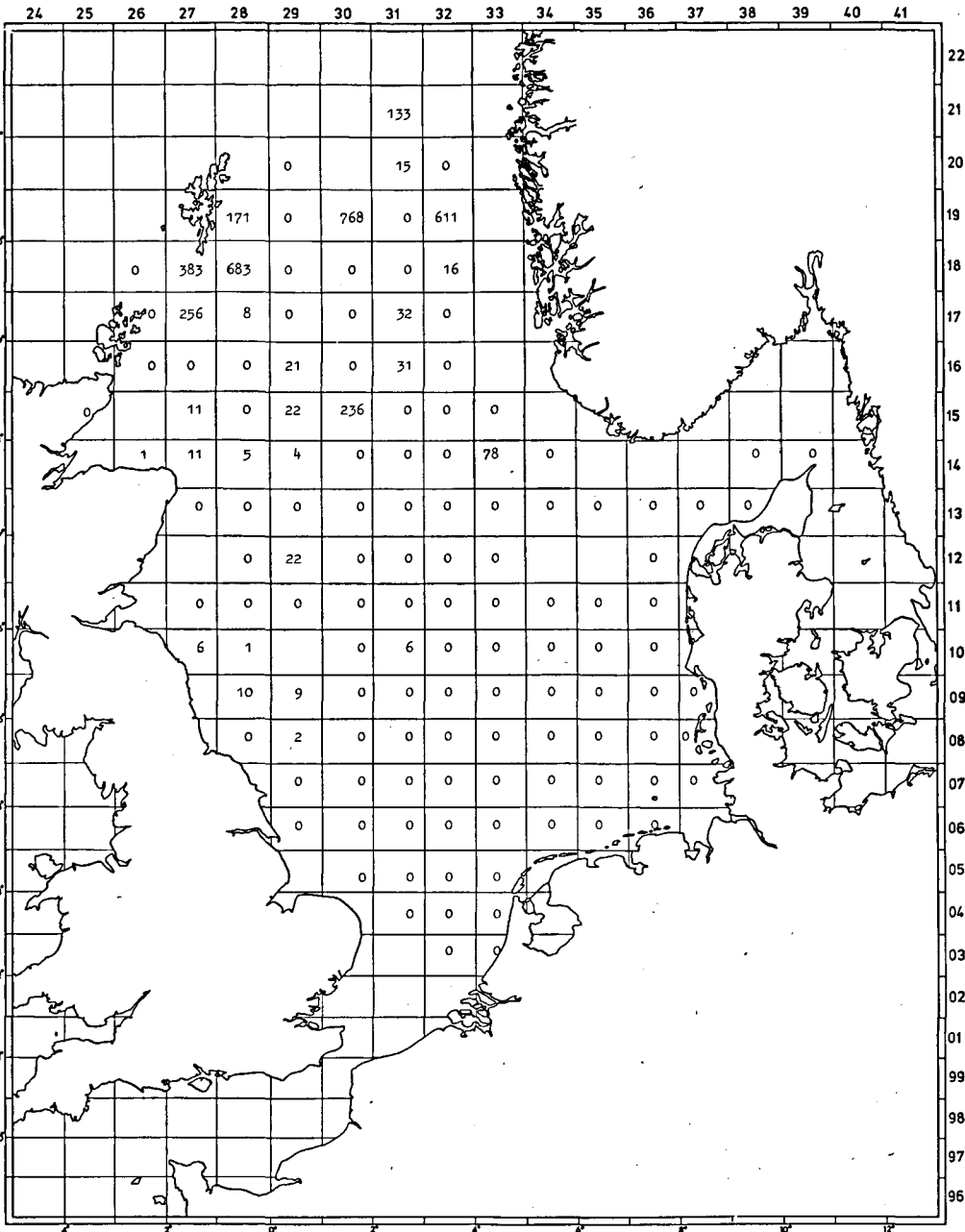


FIGURE 10 - Comparison of estimates of Yearclass strengths in catch per hour per square from IYHS (●) with estimates in millions of 1 year old recruits from VFA (○) (CM 1975/ F : 5).

