RESTRICTED

International Commission for the Northwest Atlantic Fisheries

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Summary of Trawl Materials and Mesh Size Sampling, 1975

by

Assistant Executive Secretary

1. In accordance with recommendations of STACRES, Member Countries are requested to report annually on trawl materials and mesh sizes in use, including information on the use of topside chafers. Forms entitled "Summary of Trawl Materials and Mesh Size Sampling" (see Appendix I) were distributed with Circular Letter 76/2 (7 January 1976), requesting that they be completed and returned to the Secretariat by 31 March 1976, so that the data may be collated and documented for the 1976 Annual Meeting.

2. As on 10 June 1976, reports have been received from 11 Member Countries, whose 1975 data are summarized in Table 1. No responses were received from Bulgaria, Canada, Denmark, Federal Republic of Germany, Iceland, Portugal and Romania.

3. Table 2 contains reports for 1974 from France and Poland, these data having been received in 1975 too late to be included in Summ. Doc. 75/23.

4. Trawl materials and mesh size sampling data for the years 1969-71 are given in Redbook 1972, Part III, pages 87-96. Data for 1972, 1973 and 1974 are given in Summ. Doc. 73/25, 74/18 and 75/23 respectively.

Abbreviations Used

Species

Cod	-	Cod
Had	-	Haddock
Red	-	Redfish
S H	-	Silver hake
Yel	-	Yellowtail
Gro	-	Groundfish
Her	-	Herring
Mac	-	Mackerel
Pel	-	Pelagic fish
Squ	-	Squids
Mix	-	Mixed species

Gear

OTB	-	Otter trawl, bottom
OTB1	-	Otter trawl, bottom, side
OTB2	-	Otter trawl, bottom, stern
OTM2	-	Otter trawl, midwater, stern
PA	-	Polyamides and Polyesters
PE	-	Polyethylene
PP	-	Polypropylene

Table 1. Summary of trawl materials and mesh size sampling, 1975.

Country	Sub-area	Vessel & Gear Type	Main Spec.	Net Material	Mesh Gauge Type	Number of codends measured by size group (mm) <80	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-up	Chafer Type	Chafer No.
Cuba				No data to report																	
France	3	OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	-	12	21	6	-	-	POLISH	?
				PE	ICNAF	-	-	-	-	-	-	-	-	-	-	6	-	-	-	POLISH	?
German Dem. Rep.	1-3	OTB2	Gro[1]	PA	NEAFC	-	-	-	-	-	-	-	-	1	5	7	2	-	-	POLISH	18
				PE	NEAFC	-	-	-	-	-	-	-	-	-	-	-	3	-	-		
	5-6	OTM2	Pel[2]	PA	NEAFC	15[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	15
Italy	5-6	OTB2 OTM2	Mix[4]	PA	ICNAF	*[5]	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	?
Japan	5	OTM2	Her	PE	ICNAF	-	-	1	1	1	-	-	-	-	-	-	-	-	-	OTHER	
	6	OTB2	Mix[6]	PE	ICNAF	5[7]	-	-	-	-	-	-	-	-	-	-	-	-	-	OTHER	
Norway				No trawling in 1975																	
Poland	5	OTB2	Pel[2]	PA	ICNAF	24[8]	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	24
Spain	1-5	OTB	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	24	-	-	-	-	-	ICNAF	10
				PE	ICNAF	-	-	-	-	-	-	-	-	6	-	-	-	-	-		
	1-5	PTM	Cod	PA	ICNAF	-	-	-	-	-	-	-	12	120	-	-	-	-	-	?	?
				PE	ICNAF	-	-	-	-	-	-	-	3	17	-	-	-	-	-		
	3-6	OTB2	Squ	PA	ICNAF	128[3]	-	-	-	-	-	-	-	-	-	-	-	-	-	?	?
				PE	ICNAF	7[3]	-	-	-	-	-	-	-	-	-	-	-	-	-		
USSR	4	OTB2	SH	PA	ICNAF	-	-	-	-	-	-	-	-	-	10	-	-	-	-	POLISH	10
	5	OTM2	Mac	PA	ICNAF	-	-	-	-	-	-	-	-	-	6	-	-	-	-	POLISH	6
UK				No data to report																	
USA	4	OTB1	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	22	51	4	-	-	-		
			Had	PE	ICNAF	-	-	-	-	-	-	-	-	1	1	-	-	-	-	ICNAF	3
				PP	ICNAF	-	-	-	-	-	-	-	-	2	2	-	-	-	-		
			Red	PA	ICES	4[9]	-	-	-	-	-	-	-	-	-	-	-	-	-	?	?
				PP	ICES	1[9]	-	-	-	-	-	-	-	-	-	-	-	-	-		

Table 1. (Continued)

Country	Sub-area	Vessel & Gear Type	Main Spec.	Net Material	Mesh Gauge Type	Number of codends measured by size group (mm)														Chafer	
						<80	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-up	Type	No.
USA (Cont'd)	5	OTB1	Cod	PA	ICNAF	-	-	-	-	-	-	-	4	27	63	9	-	-	-		
			Had	PE	ICNAF	-	-	-	-	-	-	-	-	-	3	-	-	-	-	ICNAF	4
				PP	ICNAF	-	-	-	-	-	-	-	-	-	2	-	-	-	-		
			Red	PA	ICNAF	17[10]	-	-	-	-	-	-	-	-	-	-	-	-	-		
				PP	ICNAF	29[11]	-	-	-	-	-	-	-	-	-	-	-	-	-	?	?
			Yel	PA	ICNAF	-	-	-	-	-	-	-	2	15	3	12	1	1	-		
				PP	ICNAF	-	-	-	-	-	-	-	-	1	-	3	-	-	-	?	?
			Mix[14]	PA	ICES	26[12]	-	3	-	-	4	1	2	1	7	1	3	-	-		
				PP	ICES	13[13]	-	1	-	-	1	-	2	-	-	1	-	-	-	ICNAF	10
		OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	-	4	-	-	-	-		
			Had	PE	ICNAF	-	-	-	-	-	-	-	-	-	2	-	-	-	-	?	?
	6	OTB1	Yel	PA	ICNAF	-	-	-	-	-	-	-	2	9	1	10	1	-	-		
				PP	ICNAF	-	-	-	-	-	-	-	-	1	-	5	-	-	-	?	?

1 Cod, redfish and R. grenadier.
2 Herring and Mackerel.
3 <50 mm.
4 Mackerel and squids.
5 No. of codends (70-74 mm) not given.
6 Butterfish and squid.
7 75-79 mm.
8 <50 mm (9); 50-54 mm (15).
9 60-64 mm.
10 50-54 mm (5); 55-60 mm (1); 60-64 mm (11).
11 50-54 mm (5); 55-59 mm (20); 60-64 mm (1); 65-69 mm (3).
12 <50 mm (3); 50-54 mm (7); 55-59 mm (3); 65-69 mm (4); 75-79 mm (9).
13 <50 mm (3); 50-54 mm (9); 55-59 mm (1).
14 Pollock, cusk and hakes.

Table 2. Summary of trawl materials and mesh size sampling, 1974. (Reports received too late for inclusion in Summ. Doc. 75/23.)

Country	Sub-area	Vessel & Gear Type	Main Spec.	Net Material	Mesh Gauge Type	Number of codends measured by size group (mm)														Chafer	
						<80	80-84	85-89	90-94	95-99	100-104	105-109	110-114	115-119	120-124	125-129	130-134	135-139	140-up	Type	No.
France[1]	3L	OTB1	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	5	32	3	-	-	-	ICNAF	-
	3Pn	OTB1	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	12	28	NONE	-
		OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	-	14	12	10	-	-	NONE	-
		OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	8	25	7	-	-	-	ICNAF	-
	3Ps	OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	6	22	11	-	-	-	NONE	-
		OTB2	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	6	11	19	-	-	-	NONE	-
Poland	2-3	OTB2	Gro[2]	PA	ICNAF	-	-	-	-	-	-	-	-	-	23	-	-	-	-	POLISH	23
	5	OTM2	Pel[3]	PA	ICNAF	31	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	31
	6	OTM2	Pel[3]	PA	ICNAF	13	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	13

[1] For each of the 6 sets of data provided, it was indicated that 2 codends were measured; the frequencies of measurements are therefore likely to numbers of meshes measured and not number of codends measured by size group.

[2] Cod, witch and G. halibut.

[3] Herring and Mackerel.

APPENDIX

INTERNATIONAL COMMISSION FOR THE NORTHWEST ATLANTIC FISHERIES

SUMMARY OF TRAWL MATERIAL AND MESH SIZE SAMPLING

(for all trawl fisheries in the Convention Area, including that for non-regulated species)

COUNTRY	SUB-AREA	YEAR	MAIN SPECIES FISHED (list one or more species)	TRAWLER TYPE (check ✓)	TRAWL TYPE (check ✓)
				Side ☐ Stern ☐	Bottom ☐ Pelagic ☐ Danish Seine ☐

MESH SIZE GROUPS (mm)	NUMBER OF CODENDS MEASURED				
	Polyamides Polyesters	Polyethylenes	Polypropylenes	Manila/Sisal	Other (specify)
<50					
50-54					
55-59					
60-64					
65-69					
70-74					
75-79					
80-84					
85-89					
90-94					
95-99					
100-104					
105-109					
110-114					
115-119					
120-124					
125-129					
130-134					
135-139					
140-144					
145-149					
150-155					

MESH GAUGE USED (check ✓) ICNAF ☐ ICES ☐ NEAFC (simple flat) ☐

TOPSIDE CHAFER TYPE (insert number inspected)	ICNAF	POLISH	MULTIPLE FLAP
	OTHER (specify)		

DATE:

REPORTED BY: _____

ADDRESS: _____

_____

G&S/5C/2/74

(see over for explanatory notes)

Instructions for Completion of ICNAF Form "Summary of Trawl Material and Mesh Size Sampling"

1. This form (G&S/5C/2/74) succeeds ICNAF/GEAR AND SELECTIVITY 23 11 65 and includes changes recommended at the 1966 Annual Meeting for the annual collection of comprehensive information on the significant changes in gears, especially in the materials and mesh sizes used in the ICNAF trawl fisheries for both regulated and non-regulated species (Redbook 1966, Part I, p. 64-65).

2. To complete the form

(a) Use a separate form in reporting for each subarea, each main species fished, each trawler type and each trawl type;

(b) When limited knowledge makes it necessary to present information for trawls fished in various subareas and for more than one species on one copy of the form, countries should state specifically that the trawl materials and mesh sizes reported are the same for those subareas and species;

(c) Data on used codends is of greater use to the Commission. Where information on used codends is not available, countries should submit data on new codends and state on the form that the codends are new;

(d) Mesh size groups represent the number of codends with average mesh sizes of codends in each mesh size group;

(e) Opposite "Topside Chafer Type" record in the rectangle opposite the appropriate chafer type the number of codends measured which were using chafers. If the chafer is other than the types shown, please describe briefly;

(f) To identify the chemical category of the various trade-named twines used in the manufacture of the codend, use the following list extracted from a paper "Synthetic net materials and their trade names" prepared by Dr G. Klust with Mr P.J.G. Carrothers (Redbook 1966, Part III, p. 201-207):

POLYAMIDE 66	POLYESTER	POLYETHYLENE	POLYPROPYLENE
Anid	Dacron	Akvaflex	Akvaflex PP
Enkalon	Diolen	Argon	Courlene PY
Kenlon	Enkalene	Bellex	Danaflex
Knoxlock	Grisuten	Corliplaste	Drumfil
Lamonyl	Terital	Courlene	Drylene 6
Nailon	Terlenka	Drumlene	Herculon
Nylex	Terylene	Drylene 3	Meraklon
Nylon	Tetoron	Echylon	Movlon
Nylsuisse	Trevira	Gunlene	Multiflex
Platil		Hi-Zex	Nufil
Roblon		Kanelight	Propylon
Tynex		Laveten (Lavaten)	Pylen
		Marlex 50	Trofil P
POLYAMIDE 6		Norfil	Ulstron
		Northylen	Velon PS
Amilan		Nymplex	
Anzalon		Plachylon	
Caprolan		Polyfa	
Celon		Pylen E	
Dayan		Trofil	
Dederon		Velon LP	
Enkalon		Vetex	
Forlion		Wirilene	
Grilon		Wynene 18	
Kapron, Capron			
Lilion			
Nopalon			
Perlon			
Steelon			

Note: Trade names underlined are those most commonly used in marine fishing gear in the ICNAF Area.