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(D.C.8)

ANNUAL MEETING - JUNE 1968Trawl material and mesh size sampling data, 1967

By the Secretariat

The Subcommittee on Gear and Selectivity and R&S at the 1966 Annual Meeting recommended:

that the 1964 and 1965 submissions of trawl material and mesh size sampling data should be summarized by the Secretariat and included in Redbook 1966, Part III. Thereafter, this information should be presented annually by the Secretariat as a meeting document and summarized and published in the Redbook every third year, beginning with the Redbook 1969.

Redbook 1966, Pt.I, p.20 and 65

and at the 1967 Annual Meeting recommended:

that all countries report annually on trawl materials and mesh sizes in use, including data on chafers, and that separate forms be completed for each subarea, species, trawler type, and type of trawl

Redbook 1967, Pt.I. p.65

In fulfilling this recommendation, trawl material and mesh size sampling data submitted by member countries for 1967 are summarized and presented herewith. Data have been reported by Canada, France, Germany, Fed. Rep., Poland, Portugal, USSR, UK and USA.

Similar trawl material and mesh size data for 1966 have been presented in ICNAF Res. Doc.67/23.

The following summary presents the number of codends with average mesh size greater than (>), equal to (=) and less than (<) in the 110-114 mm (4 2/5-4 3/5 inches) mesh size group.

The type of topside chafing gear used is shown for each country in a footnote. The kind of mesh measuring gauge used are given under the name of country.

The following abbreviations have been used:

PA	-	polyamides
PES	-	polyesters
PE	-	polyethylenes
PP	-	polypropylenes
MS	-	manila or sisal
O	-	other materials
Had	-	Haddock
Red	-	Redfish
Sil	-	Silver hake
Hak	-	Hake/Urophycis spp/
Pol	-	Pollock
Yel	-	Yellowtail flounder
Fla	-	Flatfish
Mix	-	Mixed
Ind	-	Industrial
OT	-	Otter trawl
Si	-	Side-trawler
St	-	Stern-trawler
...	-	data not available

Summary of trawl material and mesh size sampling data by country, 1967 ②

CANADA - 1967  
(ICNAF gauge)

Species	gear	Mesh size group (110-114mm)	No. of codends measured														
			Subarea 3					Subarea 4					Subarea 5				
			PA PES	PE	PP	MS	O	PA PES	PE	PP	MS	O	PA PEI	PE	PP	MS	C
Cod	OT	>	2	3	-	-	-	8	11	16	1	-	3	2	1	-	
	St	=	15	2	1	-	-	21	7	4	-	-	1	-	4	-	
		<	20	1	1	-	-	8	2	3	-	-	-	-	-	-	
	ch / ce		34 / 45					17 / 81					7 / 11				
	OT	>	4	1	-	-	-	4	3	3	-	-	-	-	-	-	
	St	=	2	-	-	-	-	-	-	1	-	-	-	-	-		
		<	-	-	-	-	-	3	-	-	-	-	-	-	-		
	ch / ce		0 / 7					1 / 14									
Had	OT	>	-	-	1	-	-	6	2	11	-	-	-	-	3	-	
	St	=	-	-	-	-	-	2	3	9	-	-	1	-	6	-	
		<	3	-	-	-	-	3	1	-	-	-	-	1	-		
	ch / ce		1 / 4					13 / 37					11 / 11				
	OT	>	-	-	-	-	-	-	1	4	-	-	-	1	-		
	St	=	-	-	-	-	-	6	1	-	-	-	1	3	1		
		<	-	-	-	-	-	15	2	-	-	-	-	-	-		
	ch / ce							" / 29					2 / 6				
Red	OT	>	-	-	3	-	-	3	1	-	-	-	-	-	-		
	St	=	2	-	1	-	-	3	-	-	-	-	-	-	-		
		<	5	1	4	-	-	36	22	5	-	16 <sup>a</sup>	-	-	-		
	ch / ce		16 / 16					2 / 86									
	OT	>	-	-	-	-	-	-	-	-	-	-	-	-	-		
	St	=	-	-	-	-	-	-	-	-	-	-	-	-			
		<	2	1	1	-	-	1	3	-	-	-	-	-			
	ch / ce		2 / 4					1 / 4									
Ia	OT	>	7	9	11	-	-	17	6	5	-	-	-	-	-		
	St	=	23	20	3	-	-	6	8	1	-	-	-	-			
		<	59	16	5	-	-	7	8	2	-	-	-	-			
	ch / ce		137 / 153					6 / 60									
	OT	>	5	8	-	-	-	-	-	1	-	-	-	-			
	St	=	5	5	1	-	-	-	-	-	-	-	-				
		<	47	3	20	-	-	-	-	-	-	-	-				
	ch / ce		55 / 194					1 / 1									
Ib	OT	>	-	-	-	-	-	1	-	2	-	-	-	-			
	St	=	-	-	-	-	-	-	-	-	-	-	-				
		<	-	-	-	-	-	-	-	-	-	-	-				
	ch / ce							1 / 3									
	OT	>	-	-	-	-	-	-	-	2	-	-	-	-			
	St	=	-	-	-	-	-	-	-	-	-	-	-				
		<	-	-	-	-	-	-	-	-	-	-	-				
	ch / ce							1 / 2									
Ic	OT	>	-	-	-	-	-	3	2	-	-	-	-	-			
	St	=	-	-	-	-	-	1	1	-	-	-	-				
		<	-	-	-	-	-	2	3	-	-	-	-				
	ch / ce							" / 12									

ICNAF chapters

Cotton



FRANCE - 1967  
(NEAFC simple flat gauge)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured				
			Subareas 1, 2, 3 and 4				
			PA PES	PE	PP	MS	0
-d	OT	>	109	-	-	-	-
Had	Si	=	21	-	-	2	-
	St	<	10	-	-	-	-
ch/ce			20 / 142				

Fishery

GERMANY, Fed. Rep. - 1967  
(ICES gauge)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured				
			Subareas 1, 2 and 3				
			PA PES	PE	PP	MS	0
-d	OT	>	12	6	-	-	-
sd	Si	=	6	1	-	-	-
Red		<	11	-	-	-	-
ch/ce			33 / 36				
	OT	>	2	-	-	-	-
	St	=	3	-	-	-	-
		<	-	-	-	-	-
ch/ce			2 / 5				

Note: Most of the topside chafers in use are similar in design to the ICNAF-type, but substantially narrower in width.

HOLLAND - 1967  
(CNAF gauge)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured				
			Subarea 1	Subarea 2	Subarea 3	Subarea 4	Subarea 5
			PA PES	PA PES	PA PES	PA PES	PA PES
1	OT	>	-	-	-	-	-
2	St	=	2	-	-	-	-
		<	2	-	-	-	-
ch/ce			4 / 4				
1	OT	>	-	-	-	-	-
2	Si	=	-	-	-	-	-
2	St	<	-	4	6	-	-
ch/ce			8 / 8      12 / 12				
2	OT	>	-	-	-	-	-
	Si	=	-	-	-	4	-
	St	<	-	-	-	7	-
ch/ce			11 / 11				
	OT	>	-	-	-	-	-
	Si	=	-	-	-	-	-
	St	<	-	-	-	-	3
ch/ce			3 / 3				

British chafers

PORTUGAL - 1967

(ICNAF gonge)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured				
			Subareas 2, 3 and 4				
			PA PES	PE	PP	MS	O
Cod	OT	>	35	83	-	-	-
	It	=	16	48	-	-	-
		<	-	-	-	-	-
		ch / ce	... / 182				

ICNAF chafero

USSR - 1967

(ICNAF gonge)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured											
			Subarea 3					Subarea 5						
			PA PEJ	PE	PP	MS	O	PA PEJ	PE	PP	MS	O		
Cod,	OT	>	-	-	-	-	-	-	-	-	-	-	-	-
Had,	It		14	-	-	-	-	24	-	-	-	-	-	-
Red. Fla			17	-	-	-	-	45	-	-	-	-	-	-
			31 / 31 a					66 / 69 b						

Other chafero 24 Polish chafero 7

Other chafero 50 Polish chafero 19

UK - 1967

NEAFC simple flat)

Species	Gear	Mesh size group (110-114 mm)	No. of codends measured											
			Subarea 1					Subarea 2						
			PA PES	PE	PP	MS	O	PA PEJ	PE	PP	MS	O		
Cod	OT	>	-	3	2	-	-	-	-	-	-	-	-	-
	It	=	-	-	1	-	-	-	-	-	-	-	-	-
		<	-	1	1	-	-	-	-	-	-	-	-	-
		ch / ce	... / 8											
	OT	>	-	-	-	-	-	-	1	1	-	-	-	-
	It	=	-	-	-	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	-	-	1	-	-	-	-
		ch / ce						... / 3						

Chafer type not reported

USA  
ICES gauge)

2- gear	Mesh size group (110-114 mm)	No. of codends measured															
		Subarea 4					Subarea 5					Subarea 3, 4 & 5					
		PA PEJ	PE	PP	MS	O	PA PEJ	PE	PP	MS	O	PA PEJ	PE	PP	MS	O	
d	OT	>	-	-	-	-	-	18	-	-	1	-	-	-	-	-	-
ed	Si	=	1	-	-	1	-	11	1	-	-	-	-	-	-	-	-
		<	78	4	1	-	-	213 <sup>a</sup>	3	-	-	-	-	-	-	-	-
		ch/ce	8/85					8/247 <sup>b</sup>									
2d	OT	>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Si	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	-	-	-	-	-	21	3	-	-	-
		ch/ce											1/24 <sup>b</sup>				
~	OT	>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Si	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	18	3	-	-	-	-	-	-	-	-
		ch/ce						.../21 <sup>c</sup>									
l	OT	>	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-
	Si	=	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	56	-	-	-	-	-	-	-	-	-
		ch/ce						15/67									
ix	OT	>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Si	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	92	1	4	-	-	-	-	-	-	-
		ch/ce						4/97									
2	OT	>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Si	=	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		<	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-
		ch/ce						8/25 <sup>b</sup>									

ICNAF chefer, except <sup>b</sup> = other chefers  
<sup>c</sup> = chefer type not reported

<sup>a</sup> Contains 18 new before use codends

London  
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 27 May 1968