

INTERNATIONAL COMMISSION FOR



THE NORTHWEST ATLANTIC FISHERIES

Serial No. 3044
(D.c. 8)

ICNAF Summ.Doc. 73/25

ANNUAL MEETING - JUNE 1973Summary of trawl material and mesh size sampling, 1972

by Assistant Executive Secretary

In accordance with recommendations of STACRES, Member Countries are requested to report annually on trawl materials and mesh sizes in use, including data on the use of topside chafers. Forms entitled "Summary of Trawl Material and Mesh Size Sampling" are circulated in early January of each year with the request that they be completed and returned to the Secretariat by 31 March, so that the data can be collated and summarized as a meeting document for consideration at the Annual Meeting in June. Usually the document has been a year late in being prepared at the Secretariat, due to the tardiness of some Member Countries in submitting their returns, and, in any case, only about two-thirds of the Member Countries bothered to submit the information.

As of 17 May 1973 submissions have been received from 9 Member Countries, whose 1972 data are summarized in Table 1. No response was received from Bulgaria, Denmark, France, Iceland, Japan, Romania, and Italy.

Trawl material and mesh size sampling data for the years 1969, 1970 and 1971 are given in *Redbook* 1972, Part III, p. 87-96.

Abbreviations Used

Species: Cap - Capelin	Gear: DS - Danish seine
Flo - Flounders	MT - Midwater trawl (<i>Pelagic trawl</i>)
Had - Haddock	OT - Otter trawl
Hak - White hake	OTSI - Otter trawl side
Her - Herring	OTST - Otter trawl stern
Mac - Mackerel	PT - Pair trawl
Mix - Mixed species	
Pol - Pollock	Material: PA - Polyamides and polyesters
Red - Redfish	PE - Polyethylenes
SH - Silver hake	PP - Polypropylenes
Shr - Shrimp	

NS - Not specified

Table 1. Summary of Trawl Material and Mesh Size Sampling, 1972.

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.					
Canada	3	OTSI	Cod	PE	ICNAF	-	-	-	-	-	-	-	-	-	2	1	-	-	-	ICNAF	3					
				PA	ICNAF	-	-	-	-	1	3	2	-	1	-	-	-	-	ICNAF	36						
				PE	"	-	-	-	-	2	-	-	-	-	-	-	-									
				PP	"	-	-	-	-	-	-	10	17	1	1	-	-	-	ICNAF	13						
				PA	ICNAF	1 ¹	-	-	-	-	-	1	-	4	-	-	-	-								
				PE	"	-	-	-	-	-	-	2	-	5	-	-	-	-	NS	1						
				PP	ICNAF	-	-	-	-	-	-	-	6	1	4	-	-	-								
		OTST	Cod	PP	ICNAF	-	-	-	-	-	-	-	-	3	-	-	1	-	-	ICNAF	1					
				PA	ICNAF	-	-	-	-	1	5	3	-	-	1	-	-	-								
				PE	"	-	-	-	1	1	2	3	10	1	4	-	-	-	NS	1						
				PP	"	-	-	-	-	-	5	13	107	28	50	-	-	-								
				PP	ICNAF	-	-	-	-	-	-	-	-	1	-	-	-	-	NS	1						
				PP	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-								
Canada	4	OTSI	Cod	PA	ICNAF	-	-	-	-	-	-	2	20	4	-	5	-	-	-	ICNAF	46					
				PE	"	2 ¹	-	-	1	1	8	4	3	11	-	-	-	-								
				PP	"	-	-	-	-	1	1	25	5	7	1	-	-	-	-	ICNAF	1					
				PA	ICNAF	-	-	-	-	-	-	-	1	-	-	-	-	-	-			ICNAF	1			
				PE	"	-	-	-	-	-	-	-	1	1	-	-	-	-	-	ICNAF	22					
				PP	"	-	-	-	-	-	-	-	1	1	-	-	-	-	-			ICNAF	4			
			PA	ICNAF	15	-	-	-	-	1	4	-	-	5	-	-	-	-	NS	16						
			PE	"	1	-	-	-	-	2	2	1	3	-	-	-	-	-			ICNAF	1				
			PP	"	18 ¹	-	-	-	-	-	2	2	2	-	-	-	-	-	-	ICNAF			22			
			PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ICNAF	4				
			PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NS			16			
			PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ICNAF	1				
			PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF			1			
			PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ICNAF	1				
			PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF			1			
			PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ICNAF	1				
			PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF			1			
			PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		ICNAF	1				
		PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1						
		PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1				
		PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1						
		PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1				
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			ICNAF	1						
PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1								
PE	"																									

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.					
Canada	4	OTST	Flo	PA	ICNAF	-	-	-	-	-	-	-	1	-	-	-	-	-	-	NS						
				PE	"	-	-	-	-	1	-	-	3	2	-	-	-	-	-	NS						
				PP	"	-	-	-	-	-	-	-	-	3	-	-	-	-	-	NS						
			Rad	PA	ICNAF	17 ⁴	-	-	-	-	-	-	-	1	1	1	-	-	-	-	NS					
				PP	"	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	NS					
			Pol	PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NS				
				PE	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	NS				
			DS	PP	"	-	-	-	-	-	-	-	-	-	-	2	1	-	-	-	-	NS				
				PE	ICNAF	-	-	-	-	-	-	2	3	-	-	-	-	-	-	-	-	NS				
				Flo	PA	ICNAF	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	NS			
PE	"	-			-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	NS						
Norway	1-3	OTST	Cod	PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1					
				PP	"	-	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	1					
				Ger(FR)	1-3	OT	Mix ¹	PA	ICES	-	-	-	-	-	-	-	-	1	2	1	-	NS				
										-	-	-	-	-	-	-	-	1	1	-	-	-	OTHER ²	3		
										-	-	-	-	-	-	1	1	3	6	3	1	-	-	OTHER ²	7	
										1 Cod, haddock and redfish. 2 Similar to ICNAF-type chafer.																
										Trawl material used was mainly PA, but PE and PP material also used. Mesh size was mainly 120 mm but some 130 mm. Not all trawls used topside chafers, but when used the Polish type was common.																
										Poland	2-3	OTST	Mix ¹	PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-
				5	OTST	Her Mac	PA	ICNAF	56 ²							-	-	-	-	-	-	-	-	-	-	POLISH
									1 Cod, redfish and Greenland halibut. 2 45-50 mm.																	

Table 1. Continued

Country	Sub-area	Vessel & Gear Type	Main Spec.	Net Mat-erial	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.		
Portugal	1-4	OTSI	Cod	PA PE	ICNAF "	-	-	-	-	-	-	-	-	-	1	-	10	-	-	ICNAF	12		
						-	-	-	-	-	-	-	-	-	2	-	40	-	-				
Spain	1-4	OT	Cod	PA PE	ICNAF "	-	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	14			
						-	-	-	-	-	-	-	-	-	-	-	5	20			-		
USSR	1-5	PT	Cod	PA PE	ICNAF "	-	-	-	-	-	-	-	-	-	26	-	-	-	ICNAF	8			
						-	-	-	-	-	-	-	-	-	-	-	-	-			-		
USSR	2	OTST	Mix ¹	PA	ICNAF ²	-	-	-	-	-	-	-	-	-	5	-	-	-	POLISH	5			
						5 ³	-	-	-	-	-	-	-	-	-	-	-	-			-		
USSR	3	OTSI	Flo Red	PA	ICNAF ²	-	-	-	-	1	-	2	50	2	-	-	-	-	None				
						-	-	-	-	4	-	3	11	2	-	-	-	-					
USSR	4	OTST	SH	PA	ICNAF ²	10 ⁴	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	10			
						37 ⁴	-	-	-	-	-	-	-	-	-	-	-	-					
USSR	5	OTSI	Her Mac	PA	ICNAF ²	-	-	-	-	-	-	-	-	-	-	-	-	-	POLISH	37			
						-	-	-	-	-	-	-	-	-	-	-	-	-					
1 Cod, redfish and witch. 2 Nets are wet (used). 3 20-24 mm. 4 40-44 mm.						No information on mesh sizes. A total of 11 side and 23 stern trawlers fished mainly for cod with bottom trawls in 1972.																	
USA	5	OTSI	Cod Had	PA	ICNAF	-	-	-	-	-	6	16	16	27	38	10	1	1	ICNAF	8			
						-	-	-	-	-	-	5	19	24	42	4	2	-					
USA	5	OTSI	Cod Had	PA	ICNAF	24 ²	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	9			
						9 ³	-	-	-	-	-	-	-	-	-	-	-	-			-		
USA	5	OTSI	Cod Had	PA	ICNAF	26 ⁴	-	-	-	-	-	-	-	-	-	-	-	-	ICNAF	4			
						3 ⁵	-	-	-	-	-	-	-	-	-	-	-	-			-		
USA	5	OTSI	Cod Had	PA	ICNAF	28	-	-	-	-	-	-	-	-	-	-	-	-	OTHER	12			
						-	-	-	-	-	-	-	-	-	-	-	-	-			-		
USA	5	OTSI	Cod Had	PA	ICNAF	-	-	-	-	-	-	-	-	-	-	-	-	-	OTHER	7			
						-	-	-	-	-	-	-	-	-	-	-	-	-			-		
1 Cod, haddock and flounders. 2 50-54(11), 55-59(1), 60-64(8), 65-69(4). 3 50-54(5), 55-59(1), 65-69(2), 75-79(1). 4 50-54(20), 55-59(2), 65-69(1), 75-79(3). 5 50-54(3). 6 50-54(28).																						NS	

1 Cod, haddock and flounders. 2 50-54(11), 55-59(1), 60-64(8), 65-69(4). 3 50-54(5), 55-59(1), 65-69(2), 75-79(1).
 4 50-54(20), 55-59(2), 65-69(1), 75-79(3). 5 50-54(3). 6 50-54(28).