ANNUAL MEETING - JUNE 1967Breakdown of catch by type of gear in the
Newfoundland inshore cod fishery in 1965

by

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During 1965, the Department of Fisheries of Canada in cooperation with the Fisheries Research Board of Canada continued to collect statistics from selected settlements on the proportion of cod caught by each gear in the inshore Newfoundland fishery. The results of these collections are tabulated in Table 1 and the settlements sampled are shown in Fig. 1.

The catch breakdown by gear (Table 1) is based on the landings of boats under 26 tons as well as the longliners over 25 tons. This is true for all settlements sampled except Ramea where the longliners were not included.

On an annual basis the percentages of cod caught by the various inshore gears in all ICNAF divisions are similar to those reported for 1964 (ICNAF Res. Doc. No. 66, Annual Meeting, 1966). The only significant changes were in 3Ps where the percentages landed by codtraps were greater and the percentages landed by longlines smaller in 1965 than in 1964. This was because the fall fishery with longlines in 3Ps proved to be very unsuccessful in 1965 and gillnets were used to a greater extent than in 1964.

On a seasonal basis (Fig. 2) codtraps accounted for most of the fish caught in 3K during May, June and July. In August and September gillnets and longlines were most important, whereas in October and November longlines accounted for almost all fish landed. Both diggers and handlines were unimportant in 3K.

In 3L gillnets and longlines were important in May but in June and July codtraps entered the picture and accounted for 60-70% of the landings. Gillnets also caught a significant proportion of the total in July. In August codtrap landings decreased and gillnets and handlines produced most of the fish caught. In September gillnets and handlines were still important but longline gear accounted for about 40% of the landings. In October and November longline gear was used almost entirely. Jiggers were unimportant in 3L.

In 3Ps, longline gear was used almost exclusively in the January to April period. In May gillnets accounted for about 35% of the landings and longlines the remainder. In June and July codtraps and gillnets were important contributors to the fishery, codtraps being more important in June than July. In August 60% was landed from gillnets and the remainder from longlines. Longlines accounted for almost all of the fish landed in October and November whereas jiggers caught about half of the fish in December and longlines the remainder. Handlines were unimportant contributors in 3Ps.

In 3Pn longlines were used almost entirely except in the June to September period when jiggers were used somewhat.

In 4R gillnets and longlines were the important contributors although codtraps caught a significant proportion in June and handlines and jiggers in August.

In comparing the 1965 figures with those reported for 1964, the picture is very similar for 3K. For 3L the percentage caught by gillnets in August and September was greater in 1965 while the percentage caught by longlines was less. For the remainder of the season the figures are similar in both years. The greatest differences between the two years occurred in 3Ps where the proportions from jiggers were somewhat higher in the summer period in 1964 while the proportions from longline were higher in the spring and lower in the fall in 1965. The proportions caught by gillnets were similar in all months except August when gillnets were more important in 1965. Codtraps caught a higher percentage in both June and July in 1965. The picture in 3Pn was identical to that in 1964. The sampling for 4R is so inadequate as to make a comparison between years meaningless.

Table 1. Percentage of cod landed in each month by each type of gear in the Newfoundland inshore cod⁽¹⁾ fishery, 1965. The total amount landed in each month and the amount on which the breakdown by gear is based are shown for comparison (T, codtrap; GN, gillnet; HL, handline; J, jigger; LL, longline). Longline includes longline hauled by hand (linetrawl) and longlines hauled by engine power with a gurdy. (* denotes percentages less than 0.5.)

Month	3K			3L															
	Amount landed ('000 lb)	Amount sampled ('000 lb)	Percent landed by	Percent landed by			Amount landed ('000 lb)	Amount sampled ('000 lb)	Percent landed by										
				T	GN	HL			J	LL	T	GN	HL	J	LL				
January	-	-	-	-	-	-	30	-	-	-	-	-	-	-	-	-	-	-	-
February	-	-	-	-	-	-	78	-	-	-	-	-	-	-	-	-	-	-	-
March	-	-	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-
April	14	-	-	-	-	-	241	-	-	-	-	-	-	-	-	-	-	-	-
May	287	287	100	-	-	-	7,199	1,163	9	50	-	41	-	-	-	-	-	-	-
June	12,571	5,066	68	5	11	16	28,808	7,269	69	14	10	1	6	-	-	-	-	-	-
July	23,344	6,860	63	11	15	9	47,864	12,339	66	22	6	1	5	-	-	-	-	-	-
August	10,725	2,220	6	48	2	41	21,418	4,864	32	32	22	2	12	-	-	-	-	-	-
September	7,356	1,707	-	37	3	4	14,890	2,380	-	30	30	1	39	-	-	-	-	-	-
October	3,383	610	-	14	1	85	6,457	984	-	17	7	1	75	-	-	-	-	-	-
November	576	180	-	13	-	87	2,659	65	-	-	-	-	100	-	-	-	-	-	-
December	40	-	-	-	-	-	171	-	-	-	-	-	-	-	-	-	-	-	-
Total	58,297	16,930	48	17	9	24	129,833	29,064	51	23	12	1	13	-	-	-	-	-	-

Table 1 (cont'd.)

Month	3Ps				3Pn					
	Amount landed ('000 lb)	Amount sampled ('000 lb)	Percent landed by		Amount landed ('000 lb)	Amount sampled ('000 lb)	Percent landed by			
			T	GN HL			T	GN HL		
January	684	88	-	5	1,038	613	-	-	4	96
February	1,714	236	-	2	4,343	2,993	-	-	4	96
March	2,105	291	-	-	4,115	2,826	-	-	4	96
April	2,779	398	-	5	2,821	992	-	-	1	99
May	2,436	498	2	32	1,114	158	-	-	1	99
June	14,846	3,780	47	36	277	26	-	-	2	8
July	18,907	3,017	26	61	375	32	-	-	3	10
August	6,369	2,667	-	60	134	40	-	-	10	15
September	4,053	1,146	-	9	340	39	-	-	2	10
October	2,077	197	-	* 10	408	89	-	-	-	2
November	627	101	-	8	561	166	-	-	-	2
December	453	55	-	-	1,034	-	-	-	-	2** 98**
Total	57,050	12,474	21	41	16,560	7,974	-	-	*	4

Table 1 (cont'd.)

Month	Amount Landed ('000 lb)	Amount sampled ('000 lb)	LR					
			T	GN	HL	J	LL	
January	82	-						
February	13	-						
March	90	-						
April	341	-						
May	932	-						
June	6,021	413	27	62	-	5	6	
July	14,107	285	7	63	2	2	26	
August	8,154	102	-	17	17	17	17	49
September	4,941	50	-	35	6	3	56	
October	1,092	20	-	50	-	-	50	
November	684	-						
December	661	-						
Total	37,118	870	15	55	3	5	22	

(1) Landings by all boats under 26 tons and by all longliners.

** Assumed value.

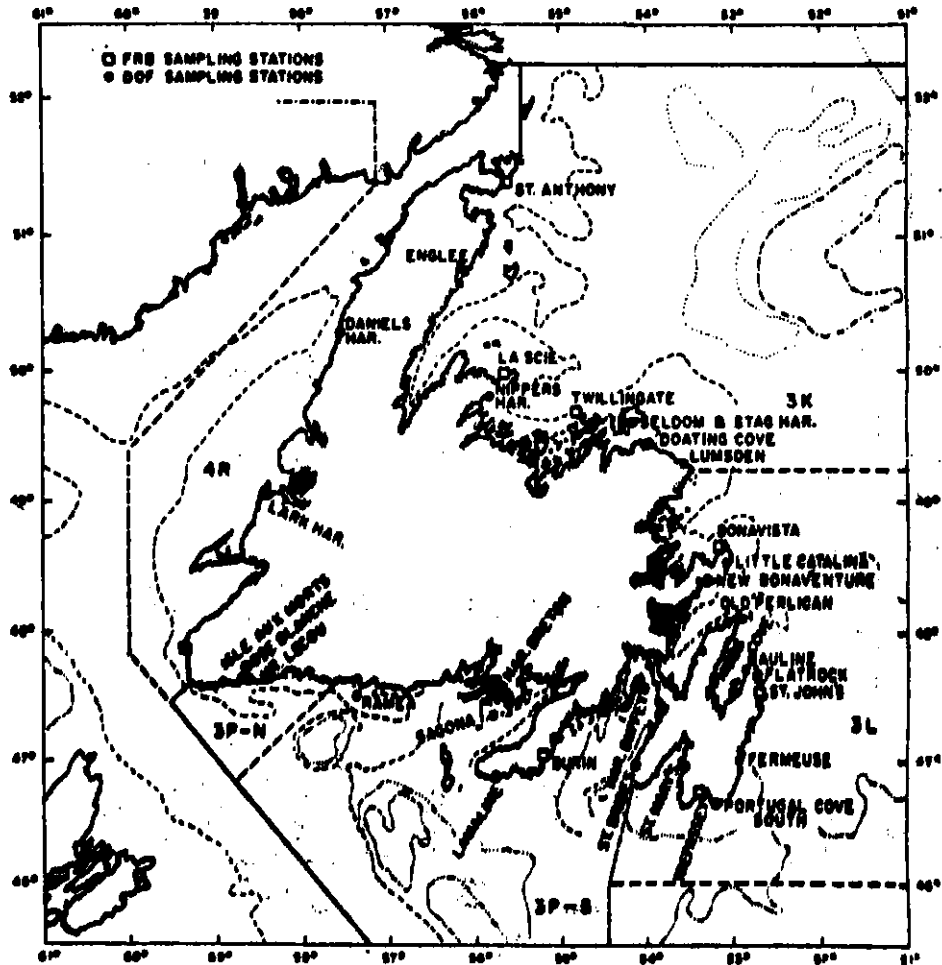


Fig. 1. Map of Newfoundland showing the settlements sampled for this study.

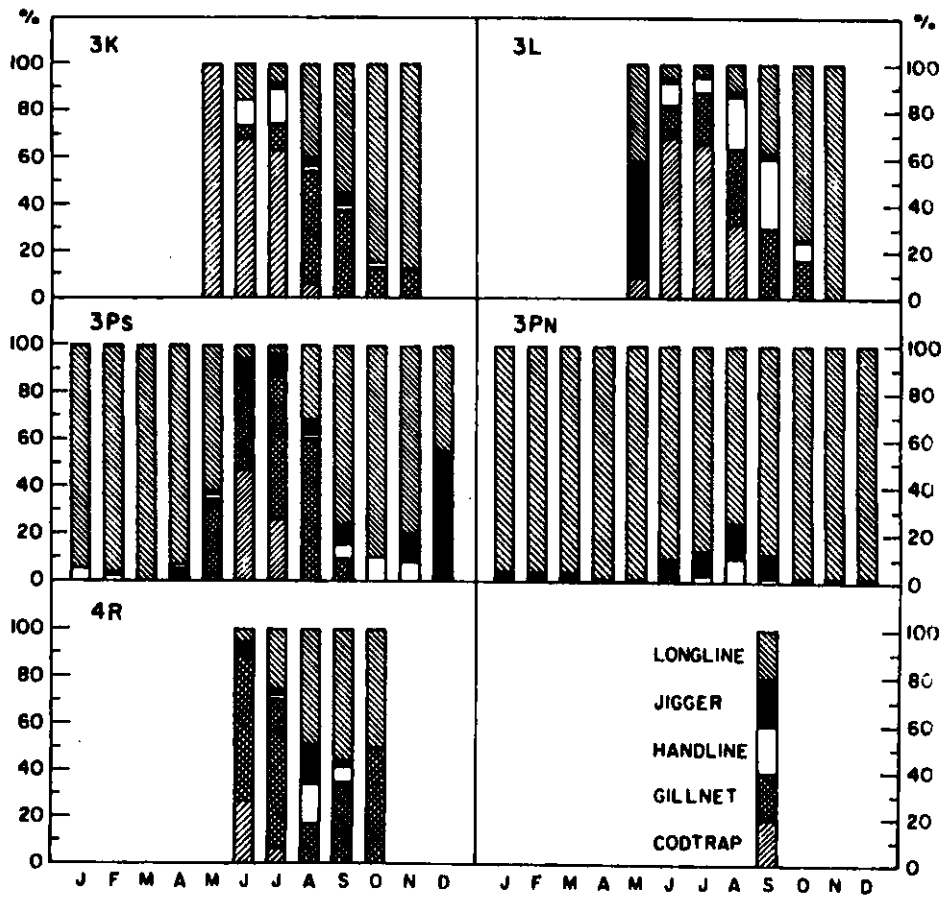


Fig. 2. Percentages of cod caught in each month by the various gears in the Newfoundland inshore fishery. (The figures include landings in 1965 by all boats under 26 gross tons and by all longliners).