

ANNUAL MEETING - JUNE 1972

Catch Statistics for the Years 1958-1970
Summarized in Relation to Certain 1972
Proposals for Quota Regulation of Cod
Stocks in Subareas 2, 3, 4 and 5.

by the Assistant Executive Secretary

The cod statistics given in the following tables were prepared in the light of 1972 proposals for the conservation of certain cod stocks in the ICNAF Area by quota regulation. The following documents contain the proposals for consideration at the 1972 Annual Meeting of ICNAF:

<u>Comm.Doc.</u>	<u>Serial No.</u>	<u>Title</u>
72/12	2736	Canadian proposal concerning conservation measures by quota regulation for cod stocks in Divisions 2J, 3K and 3L.
72/15	2739	Canadian proposal concerning conservation measures by quota regulation for cod stocks in Divisions 3N and 3O.
72/14	2738	Canadian proposal concerning conservation measures by quota regulation for cod stocks in Division 3P south.
72/17	2741	Canadian proposal concerning conservation measures by quota regulation for cod stocks in Division 4V north.
72/16	2740	Canadian proposal concerning conservation measures by quota regulation for cod stocks in Divisions 4V south and 4W.
72/22	2745	Conservation of cod in the Convention Area. Memorandum by the United States.

Table 1 contains the relevant catch statistics for cod as reported in ICNAF Statistical Bulletins, Vol. 8-20 for the years 1958 to 1970. It is followed by a series of notes which list certain unallocated catches by some countries and explain how some of these catches were assigned to divisions.

Table 2 gives the average catches of cod by country and division set out in the upper part for the years 1958-1967 and in the lower part for the years 1968-1970. The bracketed lines near the bottom of the upper panel give the 3N and 3O catches averaged for the 9-year period 1958-1966, since the proposal in Comm.Doc. 72/15 suggests that the very high catches in 1967 be excepted.

Table 3 gives the distribution of average cod catches and their percentage distribution by countries for the stocks specifically mentioned in Comm.Doc. 72/12, 72/15, 72/14, 72/17 and 72/16. Two sets of statistics are given: the upper one based on the 10-year average of 1958-1967 data and the lower on the 3-year average of 1968-1970 data. An additional set is given for 3N-0 based on the 9-year average of 1958-1966 data.

Table 4 shows the catch allocation by country and stock with 40% of the proposed quotas assigned on the basis of the percentages for 1958-1967 period and 40% assigned on the basis of the 1968-70 percentages. Although no specific method of quota allocation was suggested for the Subarea 5 cod stocks, the catch allocation is given as a matter of interest. The remaining 20% of the proposed quotas has not been assigned.

Table 1. Cod catches (metric tons) by country and division for the years 1958 to 1970, from ICMNAF Statistical Bulletins, Vol. 8 - 20.

	PORT-													NON-MEMBER	TOTAL									
	CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL ROMANIA	ROMANIA	SPAIN	USSR			UK	USA							
2G-H 1958	1585	-	87	-	-	...	-	-	-	-	844	-	12	-	-	-	-	-	-	-	-	-	2528	
59	1321	-	726	-	-	...	-	-	-	-	103	-	57	-	787	-	-	-	-	-	-	-	2994	
60	1273	-	3681	-	-	193	-	-	-	-	1064	-	2166	-	-	-	-	-	-	-	-	-	8403	
61	1050	-	997	904	-	...	-	-	-	-	-	-	572	703	69	-	-	-	-	-	-	-	4295	
62	1199	-	9	-	-	...	-	-	-	-	74	-	153	3455	14	-	-	-	-	-	-	-	4934	
63	930	-	54	59	-	-	-	30	-	-	292	-	1394	1285	-	-	-	-	-	-	-	-	4014	
64	829	...	785	994	-	-	-	-	-	-	3051	-	2581	549	-	-	-	-	-	-	-	-	8789	
65	1217	-	5452	8184	-	-	482	2585	-	-	14844	-	7659	4989	4471	-	-	-	-	-	-	-	49883	
66	1311	-	5808	27010	173	-	862	11884	-	-	9779	-	4781	6300	3704	-	-	-	-	-	-	-	94189	
67	4	-	1045	11308	-	-	22	9543	-	-	6477	-	779	6362	1501	-	-	-	-	-	-	-	18692	
68	523	-	154	6249	-	-	256	18444	-	-	8851	-	-	20858	1739	-	-	-	-	-	-	-	25250	
69	320	...	583	11389	-	-	3060	15853	-	-	6213	-	142	7254	680	342	-	-	-	-	-	-	45836	
70	75	...	360	4957	-	-	408	5675	-	-	3430	1044	-	933	-	502	-	-	-	-	-	-	17384	
2J 1958	9887	-	17669	618	83	...	-	-	-	-	7379	-	1541	456	-	-	-	-	-	-	-	-	44	37677
59	17533	-	23023	3238	132	...	-	-	-	-	6415	-	5671	158	674	-	-	-	-	-	-	-	154	56998
60	15419	-	42407	11785	527	569	-	-	-	-	42721	-	27441	38589	84	-	-	-	-	-	-	-	271	179813
61	17546	-	35476	10184	4	...	-	358	-	-	46149	-	40826	108883	1264	-	-	-	-	-	-	-	...	260690
62	23424	-	45992	745	-	...	-	921	-	-	62702	-	56853	56617	3011	-	-	-	-	-	-	-	...	250265
63	23768	-	40078	828	-	...	-	702	-	-	73040	-	53201	19548	528	-	-	-	-	-	-	-	...	211693
64	14800	...	35919	3207	91	-	-	2058	-	-	38096	-	42704	56548	1609	-	-	-	-	-	-	-	...	195032
65	25117	-	20662	31274	598	-	339	9398	-	-	57992	-	51822	48863	6261	-	-	-	-	-	-	-	...	252326
66	22684	-	25395	36395	208	-	-	17866	-	-	36530	-	43839	26005	7021	-	-	-	-	-	-	-	...	243688
67	27749	-	23616	21047	-	-	...	28592	-	-	46845	-	36178	14366	7280	-	-	-	-	-	-	-	...	240076
68	17589	-	38587	47868	-	-	...	51301	-	-	51485	-	32852	83478	9826	-	-	-	-	-	-	-	...	34403
69	4358	...	29124	60391	-	-	...	46148	-	-	59869	3031	33010	123295	1449	-	-	-	-	-	-	-	...	359177
70	1963	...	15450	45050	-	-	...	30673	-	-	38583	2352	10683	48896	2571	-	-	-	-	-	-	-	...	360901
2NK 1958	-	-	-	-	-	400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	400
59	-	-	-	-	-	1202	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1202
60	-	-	-	-	-	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	252
61	-	-	-	-	-	1050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	1050
62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	4
63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	4
64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	2
65	-	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	8642
66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	30566
67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	-
68	-	-	-	-	-	-	2000	-	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	...	2000
69	-	1905	-	-	-	-	9457	-	9457	-	-	-	-	-	-	-	-	-	-	-	-	-	...	9457
70	-	399	-	-	-	-	3644	-	3644	-	-	-	-	-	-	-	-	-	-	-	-	-	...	5549
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	7792
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	8191

Table 1. Continued.

	PORT-										NON-						
	CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN	USSR	UK	USA	MEMBER	TOTAL
3K 1958	33711	...	22200	-	374	...	-	...	-	7210	-	9274	746	350	-	-	73865
59	56264	...	21516	-	1842	...	-	10	-	28196	-	24442	6418	579	-	-	139267
60	47729	...	14497	20	527	...	-	...	...	16028	-	12359	25986	892	-	41	118111
61	31159	...	18098	263	371	...	-	188	...	18940	-	11875	8574	265	-	...	91733
62	42816	...	8685	395	175	...	-	...	1004	13096	-	9845	11285	1069	-	...	88370
63	47486	...	12358	512	756	...	-	...	4362	30105	-	10887	16268	96	-	...	122830
64	40735	...	20446	1413	278	...	-	...	7710	38151	-	27572	15076	241	-	...	151622
65	26488	...	13527	629	223	...	-	...	1718	13110	-	9950	3601	3388	-	...	72634
66	32221	...	17649	2394	623	...	-	...	4454	12464	-	9312	3610	5265	-	1772	89764
67	25019	...	28083	247	230	...	-	...	5359	12415	-	9584	9241	8755	-	2986	101919
68	42617	...	26057	-	68	...	-	...	16682	12512	-	13820	33317	11667	-	1143	157883
69	24979	...	9927	229	63	...	-	...	13302	13430	-	11971	23895	1565	-	14	99375
70	21604	...	1891	11856	-	...	-	3	1172	12340	415	5406	28278	220	-	...	91000
3L 1958	70789	...	9268	159	-	...	-	...	-	17728	-	8066	486	400	-	-	106896
59	90210	...	10771	694	301	...	-	428	-	20491	-	8144	2284	669	-	15	134007
60	101547	...	16530	1756	75	...	-	...	...	21798	-	13227	1416	5062	-	269	161835
61	75334	...	14436	604	28	...	-	238	527	25618	-	21438	4496	2936	-	...	145655
62	76444	...	27121	55	-	...	-	49	680	22162	-	33729	2412	1465	-	...	164117
63	77741	...	11763	1508	-	...	-	...	426	29150	-	25648	5209	4916	-	...	156361
64	85964	...	29360	275	32	...	-	753	240	50360	-	34747	5022	8346	-	...	215099
65	66296	...	25739	4921	528	...	-	...	910	31682	-	31137	11864	12748	-	...	185825
66	64243	...	22580	6303	113	...	-	...	305	43786	-	32689	888	9517	-	1050	181474
67	62711	...	23412	906	-	...	-	...	5849	78684	-	59571	3536	20531	-	3005	258205
68	63114	...	17322	-	-	...	-	...	1004	88476	-	84300	764	11105	-	59	266144
69	86228	...	10771	-	-	...	-	...	78	73129	-	57180	665	1084	40	8	229183
70	67584	...	3525	-	-	...	-	...	194	69884	-	54840	194	274	55	...	196559
3M 1958	-	...	-	-	-	...	-	73	-	399	-	-	4138	-	-	5	4615
59	-	...	-	-	10	...	-	11	-	-	-	466	6470	-	2	6949	
60	-	...	86	-	-	...	-	46	...	9	-	607	11595	-	...	12353	
61	-	...	2626	1394	-	...	-	...	336	2155	-	851	12379	600	...	20341	
62	349	...	-	4	-	...	-	...	888	2032	-	1234	11282	93	...	15907	
63	-	...	9501	-	-	...	-	...	1875	7028	-	4005	8528	2476	...	33413	
64	-	...	3966	83	12	...	-	...	718	3668	-	862	26643	2185	...	38797	
65	8	...	2039	108	450	...	-	...	5073	1480	-	1530	37047	6104	...	53839	
66	-	...	4603	195	-	...	-	...	93	7336	-	4268	5138	7259	...	64	28956
67	46	...	6757	-	-	...	-	...	4152	10728	-	3012	5886	5732	756	...	37069
68	235	...	13321	-	-	...	-	...	71	10917	-	4045	3872	1466	-	...	33927
69	22	...	11831	-	-	...	-	...	-	7276	-	2681	283	-	...	...	22093
70	1	...	6239	-	-	...	-	...	53	9847	-	1324	494	3	...	...	17995

Table 1. Continued.

	PORT-													NON-MEMBER	TOTAL		
	CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN	USSR			UK	USA
3N 1958	1301	...	91	-	-	...	-	...	-	5185	-	24920	-	190	-	-	31687
59	1333	...	297	-	-	...	-	...	-	12890	-	27465	-	345	1	-	42364
60	548	...	143	-	-	...	-	...	-	6545	-	16402	-	-	-	...	47744
61	803	...	289	52	-	...	-	...	...	5192	-	9185	-	133	-	...	34641
62	601	...	65	-	-	...	-	...	12	1642	-	8395	-	270	2	...	10990
63	1045	...	1022	-	-	...	-	...	...	7507	-	22484	-	57	-	...	32115
64	1470	...	2528	-	-	...	-	...	-	3857	-	14879	-	244	-	...	23224
65	3664	...	2880	2177	-	...	-	...	77	1401	-	29587	-	886	-	...	41444
66	5316	...	689	-	-	...	-	...	613	5041	-	31973	-	396	-	57	75681
67	1763	...	1861	-	-	...	-	...	3255	9654	-	49836	-	4096	-	114	116302
68	2529	...	105	-	-	...	-	...	6	6752	-	36158	-	-	-	-	92138
69	1828	...	604	-	-	...	-	...	-	4940	-	31656	-	-	-	...	47412
70	2235	...	5	-	-	...	2	...	-	2093	-	27130	-	18	-	...	51942
30 1958	3511	...	445	65	-	...	-	...	-	6423	-	4516	-	270	-	-	15230
59	2354	...	608	-	-	...	-	...	-	4840	-	12529	-	464	5	-	20815
60	1960	...	594	-	-	...	-	...	...	7802	-	17570	-	920	-	...	29077
61	4625	...	762	-	-	...	-	...	-	3867	-	23099	-	724	2	...	36813
62	2634	...	355	-	-	...	-	...	-	2011	-	9018	-	1429	-	...	23415
63	4034	...	845	-	-	...	-	...	42	2497	-	15148	-	2812	-	...	35562
64	1412	...	260	-	-	...	-	...	-	4238	-	22306	-	1281	-	...	38761
65	565	...	198	-	34	...	-	...	-	291	-	35065	-	1643	-	...	54190
66	1185	...	182	-	11	...	-	...	152	29	-	20560	-	776	-	...	30323
67	1683	...	146	-	-	...	-	...	290	49	-	28112	-	625	-	1486	105513
68	758	...	40	-	-	...	-	...	193	-	-	33594	-	-	-	864	67488
69	1836	...	22	-	-	...	-	...	-	-	-	39504	-	-	-	...	62344
70	2536	...	156	-	-	...	1	...	-	1092	-	39904	-	3	-	...	51793
3P8 1958	29436	...	6336	125	-	...	-	...	-	2326	-	6977	-	262	-	-	45462
59	40228	...	9120	-	-	...	-	...	-	5547	-	7794	-	464	7	-	63161
60	46934	...	6094	-	-	...	-	...	...	930	-	17223	-	2123	-	...	73306
61	38556	...	15630	-	-	...	-	...	-	5576	-	21015	-	3434	-	...	84211
62	32538	...	2241	-	-	...	-	...	-	2724	-	10289	-	1560	-	...	49356
63	31877	...	2081	-	-	...	-	...	32	209	-	10826	-	1717	-	...	48569
64	26428	...	4874	-	-	...	-	...	-	169	-	15216	-	4760	-	...	51884
65	29564	...	4351	14	-	...	-	...	-	-	-	13404	-	2226	-	...	49559
66	29841	...	7814	-	-	...	-	...	-	519	-	23678	-	1471	-	...	63989
67	31451	...	5448	-	-	...	-	...	-	980	-	20851	-	2141	-	148	61019
68	30061	...	2006	-	-	...	-	...	-	8	-	26868	-	-	-	1	74456
69	25127	...	2492	-	-	...	-	...	6	57	-	28141	-	165	-	...	58854
70	30226	...	2005	-	-	...	1	...	-	143	-	35750	-	-	-	...	70818

Table 1. Continued.

	PORT-														NON-		
	CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN	USSR	UK	USA	MEMBER	TOTAL
3Pa	1958	3580	500	-	-	...	-	...	-	741	-	53	-	-	-	-	4874
	59	4901	801	-	-	...	-	...	-	1766	-	59	-	-	-	...	7527
	60	5183	3694	-	-	...	-	...	...	3076	-	1428	-	-	-	...	13381
	61	5770	8615	-	-	...	-	...	-	9272	-	15551	-	-	-	...	39208
	62	8025	7945	-	-	...	-	...	-	5105	1	9310	1	-	-	...	30386
	63	8141	2148	-	-	...	-	...	-	4139	12	5764	12	-	-	...	20204
	64	8502	2015	387	-	...	-	...	-	2116	213	1663	213	236	-	...	15132
	65	8346	5483	-	-	...	-	...	-	1009	1	1466	1	430	-	...	16735
	66	6878	3920	448	-	...	-	...	9	559	-	1675	135	135	-	...	13624
	67	4546	6622	-	-	...	-	...	-	1273	4479	2512	996	996	-	...	20428
	68	5640	3220	-	-	...	-	...	-	680	-	2223	146	-	-	...	11909
	69	4763	52	-	-	...	-	...	-	-	-	102	-	-	...	...	4917
	70	4930	91	-	-	...	-	...	-	-	-	184	-	-	...	...	5205
3NK	1958	-	3939	-	-	800	-	6228	-	-	-	-	-	-	-	-	10967
	59	-	7577	-	-	1000	-	3556	-	-	-	-	-	-	-	38	12171
	60	-	9624	-	-	-	-	4454	82	-	-	-	-	-	-	217	14377
	61	-	5470	-	-	580	-	2574	-	-	-	-	-	-	-	...	8624
	62	-	4510	-	-	233	-	1726	-	-	-	-	-	-	-	...	6491
	63	-	13847	-	-	-	-	3024	-	-	-	-	-	-	-	497	17368
	64	-	21689	-	-	-	-	4992	-	-	-	-	-	-	-	20151	46832
	65	-	14186	-	-	-	-	6424	-	-	-	-	-	-	-	7607	28217
	66	-	14854	-	-	-	-	2080	-	-	-	-	-	-	-	-	16934
	67	-	15492	-	-	-	-	4006	-	-	-	-	-	-	-	-	19498
	68	-	17045	-	-	-	574	13938	-	-	-	-	-	-	-	-	31557
	69	-	18743	-	-	-	83	26167	-	-	-	-	-	-	-	...	44993
	70	-	9466	-	-	-	-	33679	-	-	-	-	-	-	-	357	43502
4R-S-T	1958	94223	35441	-	-	-	-	-	-	16817	-	1854	-	-	-	-	148335
	59	100699	9765	-	-	-	-	-	-	166	-	2466	-	-	1	-	113097
	60	77016	25387	-	-	312	-	4454	-	13931	-	8946	-	-	-	-	126088
	61	74284	25374	-	-	-	-	2574	-	8224	-	5660	-	-	-	-	113542
	62	88631	7637	-	-	-	-	1726	-	10142	-	8081	-	-	-	-	114491
	63	91671	1628	-	-	-	-	3024	-	8296	-	3661	-	-	1	-	105257
	64	74451	16742	-	-	-	-	4992	-	12494	-	7032	-	-	1	-	110720
	65	74554	11066	-	-	-	-	6424	-	12787	-	258	-	-	-	-	98665
	66	67107	10801	-	-	-	-	2080	-	10692	-	1109	-	-	-	-	89709
	67	65736	10964	-	-	-	-	4006	-	7272	-	4617	-	-	-	-	93129
	68	82396	23451	-	-	-	-	574	-	6905	-	2920	-	-	-	-	115672
	69	86298	16743	-	-	-	-	13938	-	1330	-	2757	-	-	-	-	107128
	70	85908	30943	-	-	-	-	26167	-	18439	-	8377	-	-	3	-	143670

Table 1. Continued.

	PORT-														NON-		
	CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN	USSR	UK	USA	MEMBER	TOTAL
4Vn	1958	10797	2150	-	-	...	-	-	-	548	-	676	-	-	12	-	14183
	59	8065	7490	-	-	...	-	-	-	3910	-	1114	-	-	38	-	20617
	60	6944	9900	-	-	263	-	-	-	3389	-	7498	-	35	5	-	28034
	61	4542	7100	-	-	...	-	-	-	2044	-	4805	-	-	3	...	18494
	62	9367	5048	-	-	...	-	-	-	3930	-	4363	-	-	-	...	22708
	63	10804	228	-	-	...	-	-	-	4725	-	11334	32	-	1	...	27124
	64	18444	2079	-	-	-	-	-	-	320	-	8539	9	170	1	-	29562
	65	20015	2939	-	-	-	-	-	-	1790	-	3227	415	160	-	9	28555
	66	19513	3936	-	-	-	128	-	-	138	-	2218	543	-	-	-	26476
	67	10158	1398	-	-	-	-	-	-	85	-	2790	9	223	-	33	14696
	68	12556	270	-	-	-	-	-	-	25	-	2842	-	-	-	-	15693
	69	13798	229	-	-	-	...	-	-	307	-	1649	-	-	-	...	16054
	70	13439	2484	1	-	-	...	-	7	2326	-	12681	-	5	-	...	30943
4Vs	1958	7315	4577	-	-	...	-	-	-	1095	-	10770	-	-	33	-	23790
	59	5467	15937	-	-	...	-	-	-	7804	-	17751	-	-	104	-	47063
	60	2674	943	-	-	...	-	-	-	1719	-	22350	-	3	-	-	27689
	61	1271	2834	-	-	...	-	-	-	2321	-	27808	-	-	3	...	34237
	62	1588	2291	-	-	...	-	-	-	341	-	21660	466	-	4	...	26350
	63	1302	72	107	-	...	-	-	-	617	-	25466	-	-	2	...	27566
	64	2100	1010	185	-	...	-	-	-	88	-	22061	-	129	11	-	25496
	65	7472	536	-	-	...	-	-	-	88	-	28611	-	-	6	-	36713
	66	6531	1412	-	-	...	-	-	-	88	-	18921	-	299	-	-	27163
	67	6861	77	-	-	...	-	-	-	-	-	19186	-	483	-	-	26607
	68	9567	225	-	-	...	-	-	-	-	-	38145	844	-	-	-	48781
	69	3590	217	630	-	...	-	-	34	-	-	17721	117	-	-	...	22309
	70	3076	420	-	-	...	-	-	337	296	-	24458	45	-	-	...	28632
4W	1958	10623	-	-	-	...	-	-	-	-	-	4087	-	-	91	-	14801
	59	14602	441	-	-	...	-	-	-	580	-	2248	-	-	1092	-	18963
	60	15716	75	-	-	33	-	-	-	1	-	7041	-	-	90	-	22956
	61	18426	418	-	-	...	-	-	-	-	-	13076	113	-	39	...	32072
	62	15991	354	-	-	...	-	-	-	-	-	20486	1917	-	56	...	38804
	63	11842	-	-	-	...	-	-	-	-	-	19062	9505	-	42	...	40607
	64	12230	-	110	-	...	-	-	23	-	-	17629	7133	-	26	-	37761
	65	15632	-	340	136	-	-	-	69	-	-	10669	7856	-	13	3	34275
	66	11159	-	82	-	-	-	-	-	-	-	24236	5473	40	17	-	41007
	67	11603	-	-	-	-	-	-	-	102	-	14748	1068	8	21	-	27550
	68	15321	-	-	-	...	-	-	28	-	-	12273	4021	-	1	-	31644
	69	10598	-	-	-	...	-	-	-	-	-	14584	2666	-	-	...	27848
	70	8742	...	-	-	...	-	-	-	-	-	17468	2476	108	-	...	28795

Table 1. Continued.

		PORT-										NON-		TOTAL			
		CANADA	DENMARK	FRANCE	GERMANY	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN		USSR	UK	USA	MEMBER
4X	1958	11074	-	-	-	-	-	-	-	-	-	-	-	-	1147	-	12221
	59	12866	-	-	-	-	-	-	-	-	-	-	-	-	862	-	13728
	60	12123	-	-	-	-	-	-	-	-	-	-	-	-	1605	-	13728
	61	12423	-	-	-	-	-	-	-	-	-	-	-	-	1261	-	13695
	62	14549	-	-	-	-	-	-	-	-	-	-	-	-	1197	-	15829
	63	15790	-	-	-	-	-	-	-	-	-	-	-	-	1301	-	17785
	64	21067	-	-	-	-	-	-	-	-	-	-	-	-	1413	-	25755
	65	24221	-	-	-	-	-	-	-	-	-	-	-	-	871	-	26914
	66	24164	-	-	-	-	-	-	-	-	-	-	-	-	966	1	30899
	67	27814	-	-	-	-	-	-	-	-	-	-	-	-	1445	-	32462
	68	30770	-	-	-	-	-	-	-	-	-	-	-	-	859	-	35543
	69	24056	-	-	-	-	-	-	-	-	-	-	-	-	448	1	32726
	70	17994	...	-	-	-	-	-	-	-	-	-	-	-	499	...	22302
4NK	1958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	900
	59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1500
	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...	1740
	62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	666
	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	206	206
	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51	51
	65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
	69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39
	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7754
5Y-Z	1958	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16252
	59	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16218
	60	148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14282
	61	241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17669
	62	2487	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
	63	7835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5302
	64	7133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5350
	65	10746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5428
	66	15985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
	67	8529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	59
	68	9188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8375
	69	6056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16755
	70	2609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15802
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	69
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21327
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49178
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	115
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45868
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	...
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33368

NOTES ON CATCH STATISTICS OF TABLE 1

1. Catches in 3P and 4V were not reported by their respective subdivisions in 1958. In order to make the statistical data of this table as complete as possible, the 3P and 4V catches by countries were apportioned to 3Pn and 3Ps and to 4Vn and 4Vs on the basis of the 1959 catches.

2. Denmark (F): All cod catches in Subareas 2, 3, and 4 are reported under "Division Not Known" and are thus not assigned to divisions or stocks. The following quantities are involved:

1958	3939 tons in 3NK	1964	300 tons in 2NK	1969	1905 tons in 2NK
1959	7577 " " 3NK	"	21689 " " 3NK	"	18743 " " 3NK
1960	9624 " " 3NK	1965	14188 " " 3NK	1970	399 " " 2NK
1961	5470 " " 3NK	1966	14854 " " 3NK	"	9466 " " 3NK
1962	4510 " " 3NK	1967	15492 " " 3NK	"	7754 " " 4NK
1963	13847 " " 3NK	1968	17045 " " 3NK		

3. France (M): The following 1959 catches were apportioned to subdivisions on the basis of other catches reported by France (M) for the subdivisions in question:

3P (1240 tons) assigned to 3Pn (150 tons) and 3Ps (1090 tons)
 4V (6809 tons) assigned to 4Vn (2193 tons) and 4Vs (4616 tons)

4. France (SP): The assignment of unallocated trawl catches in 1958 and 1959 was made on the basis of the distribution of trawl catches in 1960 as follows:

Year	3NK	3L	3N	3O
1958	923 tons	440	80	403
1959	1414 tons	700	114	600

5. Germany (FR): 150 tons under 3NK in 1958 were assigned on the basis of 1959 catch to Division 3L.

6. Italy: Cod catches are reported for 1958 to 1962 after which fishing in the ICNAF Area was presumably discontinued. In 1960 catches were reported by divisions, in 1958 and 1962 by subareas, and in 1959 and 1961 by ICNAF Area only. The 1959 catch was assigned to subareas on the basis of average distribution of 1958 and 1960 catches, and the 1961 catch on the basis of average distribution of 1960 and 1962 catches. The subarea distributions are as follows:

Year	ICNAF Area	Subarea 1	Subarea 2	Subarea 3	Subarea 4
1958	3200 tons	1100	400	800	900
1959	4902 "	1200	1202	1000	1500
1960	1592 "	33	762	190	608
1961	3414 "	44	1050	580	1740
1962	892 "	-	-	233	659

7. Japan: Catch statistics for 1968 and 1969 were extracted from Japanese Research Report for 1970. These were reported by subarea only.

8. Norway: Most of the cod catches in subareas 2 and 3 were reported under "Division Not Known" and are thus not assigned to divisions or stocks. The following quantities are involved:

Year	Subarea	Subarea Catch	Unallocated Portion	Year	Subarea	Subarea Catch	Unallocated Portion
1958	3	6301 tons	6228 tons	1966	3	2080 tons	2080 tons
1959	3	4005	3556	1967	2	2022	2000
1960	3	4500	4454	"	3	4006	4006
1961	3	3000	2574	1968	2	9713	9457
1962	3	1800	1665	"	3	13938	13938
1963	3	4851	3024	1969	2	6930	3644
1964	3	6842	4992	"	3	26167	26167
1965	3	6384	6384	1970	3	34851	33679

For 1963 a catch of 1827 tons given under 3P was assigned to 3Ps.

9. Poland: In 1960 the entire cod catch of 82 tons in Subarea 3 was reported under 3NK.

10. Portugal: For 4 years after the official subdivision of 3P and 4V, small portions of the Portuguese catches in these divisions were not allocated to their respective subdivisions. These unallocated portions were generally apportioned to subdivisions in proportion to the other catches reported by Portugal for these subdivisions as follows:

1959	3P (2504 tons)	assigned to 3Pn (604) and 3Ps (1900)
"	4V (539 tons)	" " 4Vn (181) and 4Vs (358)
1960	3P (2768 tons)	" " 3Pn (2100) and 3Ps (608)
"	4V (1702 tons)	" " 4Vs (1702)
1961	3P (1581 tons)	" " 3Pn (990) and 3Ps (591)
"	4V (1295 tons)	" " 4Vn (606) and 4Vs (689)
1962	3P (2450 tons)	" " 3Pn (1599) and 3Ps (851)
"	4V (1434 tons)	" " 4Vn (1318) and 4Vs (116)

11. **USSR:** Catches were reported as cod and haddock combined for 1960. In Subarea 2 and Divisions 3K, 3L and 3M, these were considered to consist entirely of cod; in 3N and 3O approximately 40% were considered to be cod, i.e., 23973 tons in 3N and 231 tons in 3O.
In 1962, 4 tons in 3P were assigned to 3Ps and 466 tons in 4V to 4Vs.
12. **UK:** In 1958, 1408 tons in 3NK were assigned on the basis of 1959 UK catch as follows: 350 to 3K, 400 to 3L, 190 to 3N, 270 to 3O, and 198 to 3Ps. The 64 tons given for 3P were assigned to 3Ps also.
13. **Non-Members:** Several non-member countries fished in the ICNAF Area during the 1958-70 period. One non-member (hereinafter referred to as Non-Member A) began fishing in the late 1950's and its annual "all species" catch increased rapidly to nearly 200,000 tons in 1959. However, in some years catch statistics were not reported. Consequently, the cod catches given for non-members in the foregoing table are incomplete. The following is a summary of available data for non-members fishing in the ICNAF Area.

<u>Year</u>	<u>All-Species Catch (tons)</u>	<u>Cod Catch (tons)</u>	<u>Remarks</u>
1958	4131	656	Non-member A. Catches mostly reported by divisions.
1959	10724	244	Non-member A and Belgium. Catches mostly reported by divisions.
1960	11563	867	Non-member A. Catches mostly reported by divisions.
1961	30000	?	Non-member A. No breakdown by species and divisions or subareas.
1962	356	33	Non-member A not included.
1963	1576	706	Non-member A not included.
1964	96276	43936	Non-member A included. Catches reported by subarea only.
1965	95524	51165	Non-member A included. Catches reported by subarea only.
1966	97854	62001	Non-member A included. Catches reported by divisions.
1967	141830	71005	Non-member A included. Catches reported mostly by divisions.
1968	181673	81974	Non-member A included. Catches reported mostly by divisions.
1969	194027	55142	Non-member A included, but its catches were reported for ICNAF Area only.
1970	92204	17358	Non-member A included. Catches reported generally by subarea only.

14. The following corrections not reported elsewhere were noted while extracting the catch statistics from ICNAF Statistical Bulletins:

- (a) Vol. 8, Table 1, page 13. The cod catch for Canada (M&Q) under 4V should read 18098 instead of 10898.
- (b) Vol. 18, Table 1, page 18. The cod catch for Poland under 3L should read 1004 instead of 1604.

The Portuguese cod catch under Subarea 4 should read 6930 instead of 6390.

The Norwegian cod catches should be adjusted to read as follows:

Subarea 1. 50945 instead of 39274
 Subarea 2. 9713 instead of 8097
 Subarea 3. 13938 instead of 11823
 Convention Area. 74596 instead of 59194

The catches given for divisions should be adjusted upward in the same proportion.

Table 2. Average cod catches by country and division for the 1958-1967 period (upper part) and for the 1968-1970 period (lower part). The bracketed catches for Divisions 3N and 3O are averages for the 9-year period 1958-1966.

	PORT-														NON-MEMBER		
	CANADA	DENMARK	FRANCE	GER(FR)	ICELAND	ITALY	JAPAN	NORWAY	POLAND	UGAL	ROMANIA	SPAIN	USSR	UK		USA	TOTAL
2G-H	1072	...	1864	4846	17	19	-	137	2404	3653	-	2015	2367	1055	-	19449	4127
2J	19793	...	31024	11932	164	57	-	34	5990	41787	-	36008	37003	2773	-	186565	6262
2(NK)	-	30	-	-	-	265	-	200	-	-	-	-	-	-	-	495	3921
3K	38363	...	17706	787	540	3	-	20	2461	18972	-	13510	10080	2090	-	104532	480
3L	77128	...	19098	1718	108	16	-	147	894	34146	-	26840	3761	6659	-	170515	434
3M	40	...	2949	187	47	...	-	82	1313	3483	-	1684	12911	2445	-	25141	83
3N	1784	...	987	223	-	...	-	...	396	5891	-	23513	12147	662	-	45603	17
3O	2396	...	440	7	5	...	-	...	48	3205	-	18792	12834	1094	-	38822	149
3Ps	33685	...	6399	14	...	...	-	226	3	1898	-	14727	67	2016	-	59036	15
3Pn	6387	...	4174	-	84	...	-	...	1	2906	-	3948	471	180	-	18151	...
3(NK)	-	11119	-	-	-	261	-	3906	8	-	-	-	-	-	-	15294	2853
4R-S-T	80837	-	15480	-	-	31	-	-	-	10082	-	4368	-	504	-	111302	-
4Vn	11865	-	4227	-	-	26	-	13	-	2088	-	4656	101	59	6	23041	4
4Vb	4258	-	2969	29	-	...	-	-	-	1398	-	21458	47	91	17	30267	...
4W	13782	-	137	48	14	3	-	-	9	68	-	13328	3307	33	147	30876	...
4X	17609	-	-	47	1	-	-	-	-	-	-	349	1088	1	1207	20302	...
4(NK)	-	-	-	-	-	480	-	-	-	-	-	-	-	-	-	480	27
5	5330	-	-	-	-	-	-	-	231	-	-	2318	4782	33	16474	29168	11
3N	1786	...	890	248	-	...	-	...	78	5473	-	20588	8416	280	-	37759	7
3O	2475	...	473	8	6	...	-	...	21	3556	-	17756	6135	1146	1	31577	...
2G-H	306	...	366	7532	-	-	-	1241	13324	6165	348	47	9682	806	281	40098	8417
2J	7970	...	27720	51103	-	-	-	930	42707	49979	1794	25515	85223	4615	-	297556	8730
2(NK)	-	768	-	-	-	-	-	4367	-	-	-	-	-	-	-	5135	2597
3K	29733	...	12625	4028	44	-	1	391	14108	11252	138	10399	28497	4484	-	115700	386
3L	72309	...	10539	-	-	-	3	...	425	77163	-	65440	541	4154	32	230606	67
3M	86	...	10464	-	-	-	11	...	41	9347	-	2683	1550	490	-	24672	...
3N	2197	...	238	-	-	-	1	...	2	4595	74	31648	25070	6	-	63831	...
3O	1710	...	73	-	-	-	1	...	64	364	-	37667	20374	1	-	60253	288
3Ps	28471	...	2168	-	-	-	-	...	2	69	-	30253	7024	55	-	68042	...
3Pn	5111	...	1121	-	-	-	-	...	2	227	-	836	-	49	-	7344	...
3(NK)	-	15085	-	-	-	-	219	24595	-	-	-	-	-	-	-	39899	119
4R-S-T	84867	-	23712	-	-	-	-	-	-	8891	-	4685	-	-	1	122156	-
4Vn	13264	...	994	-	-	-	...	-	26	886	-	5724	-	-	2	20896	...
4Vb	5411	...	287	210	-	-	...	-	124	99	-	26775	335	-	-	33241	...
4W	11554	...	-	-	-	-	...	-	9	-	-	14775	3054	-	36	29428	...
4X	24273	...	9	-	-	-	...	-	-	-	-	4898	357	-	602	30190	...
4(NK)	-	2585	-	-	-	-	51	-	-	-	-	-	-	-	-	2605	...
5	5951	-	7	39	-	-	21	-	1275	-	43	11873	823	-	22728	42760	44

Table 3. Distribution of average cod catches and percentages taken from the major cod stocks in Subareas 2 to 5. Catches in the upper part of the table are averages for 1958-1967 and those in the lower part averages for 1968-1970.

	2J, 3K-L		3N-0		3N-0 ¹		3Ps		4Vn		4Vs-W		5	
	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH	%	CATCH	%
CANADA	135284	28.71	4180	4.79	4261	5.95	33685	55.26	11865	51.05	18040	29.49	5330	18.27
DENMARK ³	(6646)	1.41	(2035)	2.33	(1628)	2.28	(1423)	2.33	-	-	-	-	-	-
FRANCE	67828	14.40	1427	1.64	1363	1.91	6399	10.50	4227	18.19	3106	5.08	-	-
GER(FR)	14437	3.06	230	0.26	256	0.36	14	0.02	-	-	77	0.13	-	-
ICELAND	812	0.17	5	0.01	6	0.01	-	-	-	-	14	0.02	-	-
ITALY ³	(577)	0.12	-	-	-	-	-	-	(226)	0.97	(33)	0.05	-	-
JAPAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NORWAY ³	(2705)	0.57	(715)	0.82	(572)	0.80	(726)	1.19	13	0.06	-	-	-	-
POLAND	9353	1.98	444	0.51	99	0.14	3	+	-	-	9	0.01	231	0.79
PORTUGAL	94905	20.14	9096	10.43	9029	12.62	1898	3.11	2088	8.98	1466	2.40	-	-
ROMANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SPAIN	76358	16.20	42305	48.53	38344	53.60	14727	24.16	4656	20.03	34786	56.87	2318	7.95
USSR	50844	10.79	24981	28.66	14551	20.34	67	0.11	101	0.44	3354	5.48	4782	16.39
UK	11522	2.45	1756	2.02	1426	1.99	2016	3.32	59	0.25	124	0.20	33	0.12
USA	-	-	1	+	1	+	1	+	6	0.03	164	0.27	16474	56.48
TOTAL	471271	100.00	87175	100.00	71536	100.00	60959	100.00	23241	100.00	61173	100.00	29168	100.00
NON-MEMBER ²	7176		166		7		15		4		2		11	
CANADA	110012	16.36	3907	2.94	-	-	28471	39.13	13264	62.08	16965	26.47	5951	13.92
DENMARK ³	(9834)	1.46	(3289)	2.48	-	-	(1795)	2.47	(470)	2.20	(1415)	2.21	-	-
FRANCE	50884	7.57	311	0.23	-	-	2168	2.98	994	4.65	287	0.45	7	0.02
GER(FR)	55131	8.20	-	-	-	-	-	-	-	-	210	0.33	39	0.09
ICELAND	44	0.01	-	-	-	-	-	-	-	-	-	-	-	-
ITALY	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JAPAN	4	+	1	+	-	-	-	-	-	-	-	-	21	0.05
NORWAY ³	(20097)	2.99	(5362)	4.04	-	-	(2927)	4.02	-	-	-	-	-	-
POLAND	57240	8.51	66	0.05	2	+	26	0.12	26	0.12	133	0.21	1275	2.98
PORTUGAL	138394	20.58	4959	3.74	69	0.09	886	4.15	886	4.15	99	0.15	-	-
ROMANIA	1932	0.29	74	0.06	-	-	-	-	-	-	-	-	43	0.10
SPAIN	101354	15.07	69315	52.22	30253	41.58	5724	26.79	5724	26.79	41550	64.83	11873	27.77
USSR	114261	16.99	45444	34.24	7024	9.65	7024	9.65	-	-	3389	5.29	823	1.92
UK	13253	1.97	7	+	55	0.08	55	0.08	-	-	-	-	-	-
USA	32	+	-	-	-	-	-	-	2	0.01	36	0.06	22728	53.15
TOTAL	672472	100.00	132735	100.00	72764	100.00	21366	100.00	21366	100.00	64084	100.00	42760	100.00
NON-MEMBER ²	9183		...		288		...		...		...		44	

1 Based on 1958-1966 catch statistics.
 2 Average catches given here for non-member countries are incomplete due to the unavailability of data for some years.
 3 For explanation of bracketed catches see Notes to Tables 2 and 3.

NOTES ON STATISTICS IN TABLES 2 AND 3

1. In order to proceed beyond the stage of 10-year and 3-year average catch statistics, as given in Table 2, and combine the catches in various divisions to represent the yields from stocks, it was necessary to apportion certain countries average catches which are given for 2(NK), 3(NK) and 4(NK), where NK = Not Known.

The unallocated catches of Denmark, Norway and Italy, given in Table 2, were assigned to the divisions within a subarea on the basis of the distribution of the total catches within the subareas concerned.

2. Assignment of 2(NK) average catches:

<u>Period</u>	<u>Divisions</u>	<u>% Distribution of Total Catches</u>	<u>Denmark</u>	<u>Norway</u>	<u>Italy</u>
1958-67	2G-H	9.4	-	20	25
	2J	<u>90.6</u>	<u>30</u>	<u>180</u>	<u>240</u>
		100.0	30	200	265
1968-70	2G-J	11.9	90	520	
	2J	<u>88.1</u>	<u>678</u>	<u>3847</u>	
		100.0	768	4367	

3. Assignment of 3(NK) average catches:

<u>Period</u>	<u>Divisions</u>	<u>% Distribution of Total Catches</u>	<u>Denmark</u>	<u>Norway</u>	<u>Italy</u>
1958-67	3K	22.6	2513	883	50
	3L	36.9	4103	1441	211
	3M	5.5	611	215	
	3N	9.9	1101	387	
	3O	8.4	934	328	
	3Ps	12.8	1423	500	
	3Pn	<u>3.9</u>	<u>434</u>	<u>152</u>	
		100.0	11119	3906	261
1968-70	3K	20.3	3062	4993	
	3L	40.4	6094	9936	
	3M	4.3	649	1057	
	3N	11.2	1690	2755	
	3O	10.6	1599	2607	
	3Ps	11.9	1795	2927	
	3Pn	<u>1.3</u>	<u>196</u>	<u>320</u>	
		100.0	15085	24595	

4. Assignment of 4(NK) average catches:

1958-67. - 480 tons by Italy apportioned on basis of some catch data which have been allocated as reported: 4RST (250), 4Vn (200), and 4W (30).

1968-70. - 2585 tons by Denmark apportioned roughly in proportion to the total catches by members in Divisions 4Vn, 4Vs, 4W, and 4X, thus 470, 720, 695 and 700 respectively.

- 20 tons by Japan assigned to 4X.

5. The bracketed quantities given in Table 3 for Denmark, Norway and Italy are based on the assignment of unallocated average catches as given above. Those under 3N-0 (1958-1966 period) are simply reduced in proportion to the reduction in average total catch by member countries in 3N-0 from 84425 tons in 1958-67 period to 69336 tons in 1958-66 period (see Table 2).

Table 4. Catch allocation for the various stocks with 40% of the proposed quotas assigned on the basis of 1958-1967 data and 40% by the 1968-1970 data (based on the percentages in Table 3).

	2J, 3K-L	3N-0	3N-0 ¹	3Fs	4Vn	4Vs-W	5
CANADA	72 112	2 164	2 489	11 327	11 313	13 430	4 507
DENMARK	4 592	1 347	1 333	576	220	530	-
FRANCE	35 152	524	599	1 618	2 284	1 327	3
GER (FR)	18 016	73	101	2	-	110	13
ICELAND	288	3	3	-	-	5	-
ITALY	192	-	-	-	97	12	-
JAPAN	-	-	-	-	-	-	7
NORWAY	5 696	1 361	1 355	625	6	-	-
POLAND	16 784	157	53	-	12	53	528
PORTUGAL	65 152	3 968	4 581	384	1 313	612	-
ROMANIA	464	17	17	-	-	-	14
SPAIN	50 032	28 210	29 630	7 889	4 682	29 208	5 000
USSR	44 448	17 612	15 282	1 171	44	2 585	2 563
UK	7 072	566	557	408	25	48	17
USA	-	-	-	-	4	80	15 348
80% of Proposed Quota	320 000	56 000	56 000	24 000	20 000	48 000	28 000
Balance to be Allocated	80 000	14 000	14 000	6 000	5 000	12 000	7 000

¹ Allocation is in part based on percentages for the 1958-1966 period given in Table 3.

