

Northwest Atlantic



Fisheries Organization

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SCIENTIFIC COUNCIL MEETING - JUNE 1984

Summary of Reported Sampling Data for 1982

by

NAFO Secretariat

1. Introduction

The change in reporting procedures following the adoption of new sampling forms (CFS-1 and CFS-2) at the 1979 Annual Meeting (*ICNAF Redbook* 1979, page 95; *NAFO Sci. Coun. Rep.* 1979-80, page 16) required that, for 1979 and subsequent years, length frequencies should be reported as individual samples and that age-length key data not be grouped in periods greater than a calendar month or in areas greater than one NAFO division (subdivision, where applicable).

Experience during the past 3 years has shown that little, if any, use has been made of the individual length frequencies and that scientists usually requested data in the pre-1979 format. In 1983, changes were proposed whereby the pre-1979 format was considered suitable for most species except that monthly age-length keys might be appropriate for fast-growing species. A final decision on this matter is expected at the June 1984 Meeting of the Scientific Council whereby a summarized format will be used for 1983 and subsequent data. Meanwhile, data for 1982 were submitted in the detailed format of 1979-81.

2. Summary of Reported Data for 1982

A summary of national length frequency data by species and division, as reported by seven countries is given in Table 1. Table 2 contains, for each country, the numbers of fish measured and aged by species, division, gear and month.

The volume of data is much less than in previous years, largely because the Secretariat has not yet received from Canada, a substantial volume of data collected through the International Observer Program. These data are being temporarily held for summarization into the proposed new format as soon as it has been finally established.

Table 1. Summary of sampling data by country, species and division, from national sampling of fisheries in 1982.

Country	Species	National sampling
Canada (N)	Cod	2H,2J,3K,3L,3N,3O,3Pn,3Ps,4R
	Haddock	3O,3Ps
	Redfish, beaked	2H,2J,3K,3L,3N,3Pn,3Ps,4R
	A. plaice	2H,3K,3L,3N,3O,3Ps,4R
	Witch flounder	3K,3L,3N,3O,3Ps
	Yellowtail flo.	3L,3N,3O,3Ps
	G. halibut	2H,2J,3K,3L
Canada (M&Q)	Cod	2J,3L,3O,3Ps,4R,4S
	Redfish, beaked	2H,2J,3L,4R,4S,4T
	A. plaice	3L,4S
	Yellowtail flo.	3L
Denmark (G)	Cod	1D
	Shrimp	1NK
France (SP)	Cod	3Ps,4R,4Vn
	A. plaice	3L
	Squid- <i>Illex</i>	3Ps
German Dem. Rep.	G. halibut	2H,3K
Poland	Witch flounder	2J,3K
	G. halibut	2J
Portugal	Cod	3L,3N
	Redfish	3L,3N
	A. plaice	3N
	Yellowtail flo.	3N
USSR	Silver hake	4W

Table 2. List of national sampling data reported for 1982.

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
<u>Canada (N)</u>									
Cod	2H	OTB	Jun	CC	2	806	2	152	
			Jul	CC	3	734	3	133	
			Aug	CC	12	3397	9	193	
			Sep	CC	1	280	-	-	
	2J	OTB	Jan	CC	7	2118	6	317	
			Feb	CC	20	5994	2	66	
			Mar	CC	32	11153	2	20	
			Apr	CC	10	3846	7	357	
			May	CC	1	272	-	-	
			Jun	CC	1	322	-	-	
			Aug	CC	3	883	3	143	
			GN	Aug	CC	15	2511	4	167
		LHP	Aug	CC	8	1524	-	-	
			FPN	Aug	CC	5	1541	2	266
		3K	OTB	Feb	CC	1	324	1	68
				Mar	CC	4	1671	3	206
				Apr	CC	8	2978	7	328
				May	CC	2	601	1	18
				Jun	CC	1	393	-	-
				GN	Jun	CC	2	595	1
	LL		Jul	CC	20	5591	14	315	
			Sep	CC	2	218	2	14	
			LL	Sep	CC	15	2248	8	393
	LHP		Jul	CC	5	1248	3	69	
			Aug	CC	20	4052	4	5	
			Sep	CC	3	370	2	9	
	FPN	Jun	CC	4	1410	1	54		
		Jul	CC	20	8313	11	355		
	3L	OTB	Jan	CC	5	1557	5	265	
			Mar	CC	2	681	2	89	
			Apr	CC	11	2884	6	380	
			May	CC	5	1332	1	21	
			Jun	CC	10	3482	-	-	
			Jul	CC	23	5581	3	46	
			Sep	CC	2	629	2	77	
			Oct	CC	3	790	3	154	
			Nov	CC	29	14313	13	271	
			Dec	CC	16	5789	-	-	
			GN	Apr	CC	1	272	1	75
				May	CC	14	3090	6	292
Jun		CC		2	209	2	105		
Jul		CC		10	3107	6	240		
Aug		CC		5	694	1	31		
Sep		CC	1	184	-	-			

Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
Cod	3L	LL	Aug	CC	8	2292	3	110	
			Sep	CC	6	738	2	164	
	LHP	Jun	CC	12	1992	3	102		
		Jul	CC	6	1331	-	-		
		Aug	CC	4	608	-	-		
		Sep	CC	3	460	1	99		
		Oct	CC	1	131	-	-		
	FPN	Jun	CC	22	6349	7	298		
		3N	OTB	Jul	CC	1	251	1	75
	Sep			CC	3	1607	3	154	
	Oct			CC	10	3908	6	296	
	30	OTB	Feb	CC	3	691	3	289	
			Mar	CC	3	922	2	122	
			Apr	CC	1	145	1	59	
			May	CC	8	3342	5	311	
	3Pn	OTB	Mar	CC	11	4060	6	388	
	3Ps	OTB	Jan	CC	2	361	2	169	
			Mar	CC	3	1055	3	185	
			Apr	CC	1	238	1	73	
			May	CC	6	4273	3	169	
			Aug	CC	1	502	1	67	
			Nov	CC	5	1645	5	312	
			GN	May	CC	17	3552	14	349
				Jun	CC	11	2411	8	150
				Jul	CC	2	719	-	-
			LL	Feb	CC	5	2562	4	348
				Mar	CC	8	2945	3	158
				Apr	CC	1	207	-	-
				May	CC	5	1984	5	230
	Jun	CC		3	954	3	65		
	Jul	CC		6	2173	3	176		
	Aug	CC		14	4944	7	224		
	Sep	CC		6	2962	3	316		
	Oct	CC		7	1630	3	270		
	Dec	CC		2	926	2	162		
	LHP	Jun		CC	1	283	1	26	
		Jul		CC	1	420	1	3	
	FPN	Jun	CC	11	3975	4	177		
		Jul	CC	1	503	-	-		
	4R	OTB	Feb	CC	4	1732	4	194	
Mar			CC	6	2504	5	258		
May			CC	17	6210	11	366		
GN		May	CC	6	2192	5	341		
		Jun	CC	10	2785	5	137		
LL		Mar	CC	4	1680	4	350		
		Jun	CC	3	596	2	123		
LHP		Jun	CC	2	582	2	69		
FPN		Jun	CC	12	3691	5	155		

Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
Haddock	30	OTB	May	CC	2	598	1	84		
	3Ps	OTB	Nov	CC	3	674	2	201		
Redfish ( <i>mentella</i> )	2H	OTB	Jul	CC	1	197/179	-	-		
			2J	OTB	Feb	CC	1	236/205	-	-
					Mar	CC	2	344/369	-	-
					Aug	CC	4	972/778	-	-
					Sep	CC	1	386/240	-	-
	3K	OTB	Jan	CC	1	50/153	-	-		
			Mar	CC	1	179/251	-	-		
			Apr	CC	1	215/152	-	-		
			May	CC	3	354/631	-	-		
			Jun	CC	1	208/196	-	-		
			Aug	CC	1	83/159	-	-		
			Oct	CC	1	232/235	-	-		
			Nov	CC	2	453/650	-	-		
			3L	OTB	Jan	CC	3	843/743	-	-
					Feb	CC	2	434/458	-	-
	Mar	CC			2	573/532	-	-		
	Apr	CC			2	475/458	-	-		
	Jun	CC			1	237/215	-	-		
	Jul	CC			1	198/224	-	-		
	Sep	CC			4	946/1192	-	-		
	Oct	CC			1	223/241	-	-		
	Dec	CC			2	614/639	-	-		
	3N	OTB			Jul	CC	1	157/142	-	-
Oct			CC	1	189/161	-	-			
Nov			CC	1	97/370	-	-			
3Pn	OTB	Jul	CC	2	357/388	-	-			
		Aug	CC	1	236/406	-	-			
		Nov	CC	7	1469/1885	-	-			
3Ps	OTB	Jul	CC	1	197/179	-	-			
		Aug	CC	5	750/1019	-	-			
4R	OTB	Feb	CC	2	391/674	-	-			
		May	CC	2	581/711	-	-			
American plaice	2H	OTB	Aug	CC	1	37/352	1	23/63		
			3K	OTB	Mar	CC	1	42/362	1	23/64
					Apr	CC	2	221/492	2	69/127
	May	CC			3	107/928	3	79/207		
	3L	OTB	Feb	CC	1	169/227	1	28/63		
			Mar	CC	3	458/699	2	67/123		
			Apr	CC	7	1164/1447	5	135/217		
			May	CC	10	1901/2195	7	150/218		
			Jun	CC	20	3697/5382	6	12/23		
			Jul	CC	5	713/1188	5	174/277		
			Aug	CC	3	568/1070	1	22/29		
			Sep	CC	12	2463/4153	1	2/11		
			Oct	CC	9	1207/2086	8	146/232		
			Nov	CC	20	1521/5797	7	101/172		
			Dec	CC	14	2387/4375	1	47/66		
			GN		May	CC	1	75/218	1	30/58
					Jun	CC	2	55/565	2	29/78
					Jul	CC	4	96/1382	3	66/169
					Aug	CC	4	102/987	3	62/120
					Sep	CC	3	76/534	3	53/152

Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
American plaice	3N	OTB	May	CC	1	164/153	1	48/79	
			Jul	CC	13	1832/2693	8	260/429	
			Aug	CC	7	805/1198	5	99/169	
			Sep	CC	4	455/667	1	8/14	
			Oct	CC	15	2702/3266	14	279/474	
			Nov	CC	3	880/835	2	40/56	
	30	OTB	Feb	CC	1	285/302	1	52/69	
			Mar	CC	4	499/951	3	107/162	
			Apr	CC	1	215/129	1	47/78	
			May	CC	10	1694/1833	8	229/396	
			Jun	CC	3	204/471	1	18/34	
			Oct	CC	2	368/853	1	44/73	
	3Ps	OTB	Jan	CC	1	170/264	1	22/32	
			Mar	CC	2	214/838	2	96/242	
			May	CC	2	145/1206	1	33/82	
			Aug	CC	1	86/316	1	35/62	
			Nov	CC	4	460/971	4	151/230	
	4R	FPN	Jun	CC	1	2/98	1	2/32	
	Witch flounder	3K	OTB	Mar	CC	2	460/228	2	97/114
				Apr	CC	2	388/270	2	83/95
May				CC	1	150/258	1	35/51	
		GN	Aug	CC	1	122/149	1	65/99	
3L			OTB	Nov	CC	1	145/95	1	42/41
		GN		Jun	CC	4	546/602	4	161/213
				Jul	CC	2	184/455	-	-
			Aug	CC	3	314/449	2	83/91	
3N		OTB	Sep	CC	1	57/133	1	22/30	
			Oct	CC	1	162/241	1	26/35	
30		OTB	Mar	CC	1	317/138	1	50/51	
			May	CC	4	942/698	3	104/124	
			Jun	CC	2	501/310	2	76/81	
3Ps	OTB	Nov	CC	1	266/183	1	82/87		
Yellowtail flounder	3L	OTB	Jun	CC	6	1154/1286	2	61/80	
			Aug	CC	1	213/258	1	35/47	
			Sep	CC	1	265/250	1	33/41	
			Oct	CC	1	209/217	1	28/37	
	3N	OTB	Jul	CC	5	669/1122	2	67/90	
			Aug	CC	3	395/980	3	58/93	
			Sep	CC	11	3301/3709	7	68/90	
			Oct	CC	12	3708/4013	6	115/151	
			Nov	CC	1	127/318	1	16/20	
			Dec	CC	1	158/240	1	37/56	
30	OTB	May	CC	5	1053/893	5	176/249		
		Oct	CC	1	234/172	1	32/38		
3Ps	OTB	Nov	CC	3	524/787	3	102/124		
Greenland halibut	2H	OTB	Jul	CC	2	336/209	2	113/137	
			Aug	CC	11	1378/1942	9	286/462	
	2J	OTB	Aug	CC	3	381/469	1	61/95	
			GN	Aug	CC	2	375/479	2	91/125
				Sep	CC	4	682/713	4	232/259

Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
Greenland halibut	3K	OTB	Apr	CC	1	199/254	1	50/76
			May	CC	2	243/235	2	101/115
		GN	Jul	CC	7	1062/1353	7	256/304
			Aug	CC	4	592/693	2	12/7
	Sep		CC	8	1043/1279	5	188/218	
	3L	OTB	Nov	CC	1	192/259	1	58/66
			Jul	CC	5	699/914	5	185/227
			Aug	CC	4	476/606	1	6/22

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Canada (M&Q)

Cod	2J	OTB	Feb	CC	1	310	-	-	
			Mar	CC	2	592	-	-	
			Apr	CC	2	635	-	-	
			Jul	CC	1	259	-	-	
	3L	OTB	Jun	CC	1	357	-	-	
			Dec	CC	1	373	-	-	
	30	OTB	May	CC	1	201	-	-	
	3Ps	LL	Aug	CC	1	364	-	-	
	4R	OTB	Feb	CC	2	646	-	-	
			Apr	CC	3	729	-	-	
			May	CC	8	1600	-	-	
	4S	OTM	Apr	CC	2	400	-	-	
			OTB	Feb	CC	1	305	-	-
		OTB	May	CC	1	214	-	-	
			Jun	CC	9	953	-	-	
			Jul	CC	7	640	-	-	
			Aug	CC	1	102	-	-	
			Sep	CC	3	609	-	-	
			Oct	CC	3	639	-	-	
			OTM	May	CC	2	400	-	-
			LL	Sep	CC	1	216	-	-
	Redfish ( <i>mentella</i> )	2H	OTB	Sep	CC	1	104/97	-	-
				2J	OTB	Jul	CC	3	176/431
		Sep	CC	4		399/391	-	-	
3L		OTB	Sep	CC	1	90/111	-	-	
			Dec	CC	1	134/67	-	-	
4R		OTB	Apr	CC	1	102/98	-	-	
			Jun	CC	3	1618/1447	-	-	
			Jul	CC	8	1034/978	-	-	
			Sep	CC	1	204/324	-	-	
4S		OTB	May	CC	3	575/718	-	-	
			Jun	CC	13	1407/1006	-	-	
			Jul	CC	15	1546/1453	-	-	
			Aug	CC	13	1562/1452	-	-	
			Sep	CC	1	246/376	-	-	
			Oct	CC	3	761/1217	-	-	
			Nov	CC	2	234/478	-	-	
	OTM		Jul	CC	1	95/118	-	-	
			Sep	CC	1	84/116	-	-	

Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
Redfish ( <i>mentella</i> )	4T	OTB	May	CC	1	115/85	-	-	
			Jun	CC	5	391/570	-	-	
			Aug	CC	1	700/729	-	-	
American plaice	3L	OTB	Jun	CC	1	115/85	-	-	
			Dec	CC	1	44/150	-	-	
	4S	OTB	Oct	CC	1	18/183	-	-	
Yellowtail flounder	3L	OTB	Jun	CC	1	92/108	-	-	
			Dec	CC	2	204/196	-	-	
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<u>Denmark (G)</u>									
Cod	1D	OTB	Feb	CC	2	3471	-	-	
Shrimp	1NK	OTB	Jul	CC	3	1865	-	-	
			Aug	CC	12	7256	-	-	
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<u>France (SP)</u>									
Cod	3Ps	OTB	Jan	CL	1	200	-	-	
			May	CL	4	837	-	-	
			Jun	CL	3	624	-	-	
			Oct	CL	1	208	-	-	
			Nov	CL	2	414	-	-	
			Dec	CL	2	443	-	-	
			LHP	May	CL	3	606	-	-
				Jun	CL	3	585	-	-
				Jul	CL	3	680	-	-
				Sep	CL	1	207	-	-
	4R	OTB	Apr	CL	2	488	-	-	
			May	CL	1	152	-	-	
	4Vn	OTB	Feb	CL	1	258	-	-	
			Mar	CL	2	478	-	-	
Jun			CL	1	206	-	-		
American plaice	3L	OTB	Jul	CL	2	188/360	-	-	
Squid- <i>Illex</i>	3Ps	LHP	Jul	CL	1	92/108	-	-	
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<u>GDR</u>									
Greenland halibut	2H	OTB	Dec	CC	2	25/79	-	-	
	3K	OTB	Nov	CC	18	634/908	13	497/704	
			Dec	CC	8	124/293	-	-	
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<u>Poland</u>									
Witch flounder	2J	OTB	Mar	CC	1	80/389	-	-	
	3K	OTB	Mar	CC	7	1069/2996	-	-	
			Apr	CC	10	2509/3013	-	-	
			May	CC	3	660/957	-	-	
Greenland halibut	2J	OTB	Mar	CC	3	649/913	-	-	
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Table 2 (cont'd)

Species	Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
<u>Portugal</u>								
Cod	3L	OTB	Mar	CC	1	31/33	1	27/27
			Apr	CC	1	8/15	1	8/14
	3N	OTB	Feb	CC	5	91/144	5	81/119
Redfish	3L	OTB	Mar	CC	24	1345/1346	18	50/71
			Apr	CC	17	1062/988	15	51/87
			May	CC	6	406/382	5	44/41
American plaice	3N	OTB	Feb	CC	2	102/95	2	25/30
			Mar	CC	1	40/55	1	25/33
Yellowtail flounder	3N	OTB	Feb	CC	4	567	-	-
			Mar	CC	3	186	-	-
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<u>USSR</u>								
Silver hake	4W	OTB	Jun	CC	37	3594/4230	-	-
			Jul	CC	65	6139/7587	-	-

