

Northwest Atlantic Fisheries Organization



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NAFO SCS Doc. 88/02

SCIENTIFIC COUNCIL MEETING - JUNE 1988

Lists of Biological Sampling Data for 1986

by

NAFO Secretariat

1. Further to SCS Doc. 87/11 which contained lists of biological sampling data for 1985 that had been reported to the Secretariat prior to the June 1987 Meeting of the Scientific Council, this report contains reasonably complete lists of available data for 1986. The lists include both nationally-collected data and data collected through the Scientific Observer Program, as indicated in the country headings.
2. Summaries of the available data for 1986 are given in two tables. Table 1 contains the names of countries whose catches were sampled by species and division. Footnotes indicate that the data were collected by scientific observers at sea. Table 2 contains, for each country (or country component), the numbers of fish measured and aged by species, division, gear type and month. The heading for each country indicates whether the data were collected in accordance with its national sampling program or by coastal state observers through the Scientific Observer Program.
3. In the "Contents" below, asterisks (\*) indicate that the Secretariat has been provided with listings of data only. The Secretariat will arrange for the provision of actual data following formal requests from fisheries institutes and/or scientists who are directly involved in the work of NAFO.

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Table 1. List of countries, species and divisions for which sampling data were reported in 1986.

Year	Country	Species	Division
1986.	Canada (M)	Cod	4V,4W,4X,5Z
		Haddock	4V,4W,4X,5Z
		Redfish	4V,4W,4X
		Pollock	4V,4W,4X,5Y,5Z
		A. plaice	4V,4W
		Witch flounder	4V
		Yellowtail flounder	4V,4X
		Winter flounder	4X
		Cusk	4X
		White hake	4W
Canada (M) <sup>1</sup>	Canada (M) <sup>1</sup>	Cod	2J,3K,3L,3O,3Ps,4R,4S,4Vn,4Vs,4W,5Ze
		Haddock	3O,3Ps,4Vn,4Vs,4W,4X,5Ze
		Redfish	2J,3K,3L,3O,3Pn,3Ps,4R,4S,4Vn,4Vs,4W,4X
		Silver hake	3Ps,4Vs,4W,4X
		Pollock	3L,3Pn,3Ps,4R,4S,4Vn,4Vs,4W,4X,5Ze
		A. plaice	2J,3K,3L,3N,3O,3Ps,4Vs
		Witch flounder	3K,3L,3O,3Pn,3Ps,4Vs,4W
		Yellowtail flounder	3L,3N,3Ps,4Vs
		G. halibut	2J,3K,3L
		A. halibut	3O
White hake	3Pn,4Vs		
Cuba <sup>1</sup>	Cuba <sup>1</sup>	Cod	4Vs,4W,4X
		Haddock	4Vs,4W,4X
		Redfish	4W
		Silver hake	4Vs,4W,4X
		Red hake	4W
		Pollock	4Vs,4W
		A. plaice	4W
		Witch flounder	4W
		Yellowtail flounder	4W
		Tilefish	4W
		White hake	4W
		Herring	4W
		Mackerel	4W
		American shad	4W
Argentine	4W		
Squid- <i>Illex</i>	4W		
France (M) <sup>1</sup>	France (M) <sup>1</sup>	Cod	3Pn,4R,4Vn
		Haddock	3Pn,4R,4Vn
		Redfish	3Pn,4R
		Pollock	3Pn,4R,4Vn
		A. plaice	4R,4Vn
		Witch flounder	4R,4Vn
		A. halibut	4Vn
		Herring	4Vn
France (SP) <sup>1</sup>	France (SP) <sup>1</sup>	Cod	3Pn,3Ps,4R,4Vn
		Haddock	3Pn,4R,4Vn
		Redfish	3Pn,4R,4Vn
		Pollock	3Pn,4R,4Vn
		A. plaice	3Pn
		Witch flounder	3Pn,4R,4Vn
Japan <sup>1</sup>	Japan <sup>1</sup>	Cod	3O,4Vn,4Vs
		Haddock	3O,4Vs
		Redfish	3O,4Vn,4Vs,4W
		Silver hake	3O,4Vs,4W
		Red hake	3O,4Vn,4Vs
		Pollock	4Vs,4W
		A. plaice	3O,4Vn
		Witch flounder	3O,4Vn,4Vs
		G. halibut	3O,4Vn
		A. halibut	4Vs
		White hake	3O,4Vn,4Vs
		Argentine	3O,4Vs

Table 1. (Continued)

Year	Country	Species	Division
1986	USSR <sup>1</sup>	Cod	4W,4X
		Haddock	4Vs,4W,4X
		Redfish	4Vs,4W
		Silver hake	4W,4X
		Red hake	4W
		Pollock	4Vs,4W,4X
		A. plaice	4W
		Witch flounder	4W
		Yellowtail flounder	4W
		Winter flounder	4W
		Cusk	4W
		White hake	4W
		Herring	4W
		Mackerel	4W
		Argentine	4W,4X
Squid- <i>Illex</i>	4W,4X		
Canada (N)		Cod	2J,3K,3L,3N,3O,3Ps
		Haddock	3L,3O
		Pollock	3Ps
		Redfish, golden	3K,3Ps
		Redfish, beaked	2H,2J,3K,3L,3Pn,3Ps
		A. plaice	3K,3L,3N,3O,3Ps
		Witch flounder	3K,3L,3O,3Ps
		Yellowtail flounder	3L,3N
G. halibut	2H,2J,3K,3L		
Canada (M) <sup>2</sup>		Cod	3L,3Ps
		Haddock	3O
		Redfish, beaked	2J,3K,3Pn
		G. halibut	2G
Canada (N) <sup>2</sup>		Cod	2J,3K,3L,3N,3O,3Pn,3Ps,4R,4Vn,4Vs
		Haddock	3O,4Vn
		Redfish, beaked	2J,3K,3L,3Pn,3Ps,4R,4Vs
		A. plaice	3L
		Witch flounder	3O
		Yellowtail flounder	3N
		G. halibut	2J
Canada (Q) <sup>2</sup>		G. halibut	2J
Faroes <sup>2</sup>		Cod	2H
		G. halibut	0B,2G,2J,3K
France (M) <sup>2</sup>		Cod	2J,3K
France (SP) <sup>2</sup>		Cod	3N
		Yellowtail	3N
Fed. Rep. Germany <sup>2</sup>		Cod	2H,2J,3K
German Dem. Rep. <sup>2</sup>		Redfish, beaked	3L
		G. halibut	2H,3K
Japan <sup>2</sup>		Cod	2J
		Redfish, beaked	3K,3O
		G. halibut	2H,2J,3K
Poland <sup>2</sup>		Redfish, beaked	2J,3K
		G. halibut	2H,2J,3K
USSR <sup>2</sup>		Redfish, beaked	2J,3K,3M
		G. halibut	2H
UK <sup>2</sup>		Cod	2J,3K

Table 1. (Continued)

Year	Country	Species	Division
1986	France (SP)	Cods Haddock	3Pn; 3Ps, 4R, 4Vn 3Ps
	German Dem. Rep.	G. halibut Mackerel	2G; 3K 6A; 6B; 6C
	Portugal	Cod Redfish Yellowtail flounder	3M, 3N 3L, 3M; 3N 3L, 3M <sup>1</sup>
	Spain	Cod Redfish A. plaice Witch flounder Yellowtail flounder	3L, 3M, 3N 3N 3L, 3M, 3N 3N 3N
	USSR	Silver hake	4W
	USA	Cod Haddock Redfish Silver hake Red hake Pollock A. plaice Witch flounder Yellowtail flounder Winter flounder Summer flounder Windowpane flounder Cusk Scup White hake Wolfishes Herring Mackerel Butterfish Black seabass Squid <i>Illex</i> Squid <i>Loligo</i> Sea scallops	3N, 4X, 5Y, 5Z, 5Zw 3N, 4X, 5Y, 5Z 3N, 30, 4X, 5Y, 5Z 5Y, 5Z, 5Zw, 6A, 6B 5Y, 5Zw, 6A, 6B 4X, 5Y, 5Z 3N, 30, 5Y, 5Z 3N, 30, 4X, 5Y, 5Z 3N, 5Y, 5Z, 5Zw, 6A 5Y, 5Z, 5Zw, 6A 5Z, 5Zw, 6A, 6B, 6C 5Z, 5Zw 5Y, 5Z 5Zw, 6A, 6B 30, 5Y 3N, 5Y 5Y 5Y, 5Zw, 6A, 6B, 6C 5Y, 5Z, 5Zw, 6B 5Zw, 6A, 6B, 6C 5Y, 6A, 6B, 6C 5Y, 5Z, 5Zw, 6A, 6B 5Y, 5Z, 5Zw, 6A, 6B

<sup>1</sup> Data from Scientific Observer Program -- Canada(M)

<sup>2</sup> Data from Scientific Observer Program -- Canada(N)

Table 2. List of sampling data reported for 1986.

CANADA (M) (National)										
Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
COD	4V	OTB	Jan	CL	5	1554	19	536		
			Feb	CL	7	2092				
			Mar	CL	7	1892				
			Apr	CL	12	3260				
			May	CL	7	2158				
			Jun	CL	10	3302				
			Jul	CL	5	1567				
			Aug	CL	6	1512				
			Sep	CL	8	2185				
			Oct	CL	8	1997				
			Dec	CL	2	652				
			SN	May	CL	1			384	3
		Jun		CL	2	753				
		Aug		CL	1	231				
		Sep		CL	1	210				
		LL	May	CL	8	2894	11	595		
			Jun	CL	3	1250				
			Jul	CL	1	374				
			Aug	CL	5	1571				
			Sep	CL	7	2881				
			Oct	CL	2	848				
			Dec	CL	2	656				
			LHP	Jul	CL	1			171	2
		Aug		CL	1	307				
		Oct		CL	1	329				
		Nov		CL	1	263				
		4W	OTB	Feb	CL	1	207	-	-	
				Apr	CL	4	1165			
				May	CL	1	300			
			SN	Aug	CL	1	173	-	-	
			GN	Jul	CL	1	322	1	33	
				Sep	CL	1	73			
			LL	Apr	CL	1	232	5	155	
				May	CL	2	574			
				Jun	CL	2	596			
				Aug	CL	2	556			
				Sep	CL	1	315			
				Oct	CL	1	256			
				Nov	CL	1	296			
			LHP	Sep	CL	1	41	1	16	
			4X	OTB	Jan	CL	3	1046	10	477
					Feb	CL	5	1358		
Mar	CL				2	502				
Apr	CL				2	623				
May	CL	2			555					
Jun	CL	4			874					
Jul	CL	2			514					
Sep	CL	3			920					
Nov	CL	1			240					
GN	Apr	CL			1	114	1	45		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
		LL	Jan	CL	3	528	5	225
			Feb	CL	2	701		
			Apr	CL	3	684	7	386
			May	CL	3	743		
			Jun	CL	1	412	3	149
			Sep	CL	3	700		
			Oct	CL	1	118	2	84
			Dec	CL	1	223		
		LHP	Jun	CL	3	263	3	142
			Jul	CL	11	572		
			Aug	CL	3	85	17	195
			Sep	CL	3	106		
		FPN	Jun	CL	1	295	1	37
	5Z	OTB	Jan	CL	1	313	1	59
			Apr	CL	1	300	9	320
			Jun	CL	8	2187		
			Jul	CL	5	1323	5	226
			Sep	CL	2	552		
		GN	Jul	CL	1	278	-	-
		LL	Aug	CL	2	535	-	-
			Sep	CL	2	402		
HAD	4V	OTB	Jan	CL	5	1393	10	204
			Feb	CL	2	590		
			Mar	CL	3	651	29	228
			Apr	CL	15	3300		
			May	CL	7	1467	10	152
			Jun	CL	7	1649		
			Jul	CL	2	489	10	152
			Aug	CL	5	1118		
			Sep	CL	5	987	11	91
			Oct	CL	10	2013		
			Nov	CL	1	199		
		SN	Jun	CL	1	253	1	28
			Aug	CL	2	340	2	39
		LL	Sep	CL	2	244	2	26
	4W	OTB	Feb	CL	1	250	5	73
			Mar	CL	4	969		
			Apr	CL	2	382	2	26
			Aug	CL	1	248	1	23
			Oct	CL	3	714	3	63
		LL	May	CL	1	168	3	85
			Jun	CL	2	357		
			Jul	CL	3	369	10	169
			Aug	CL	5	676		
			Sep	CL	2	364	8	144
			Nov	CL	6	838		
			Dec	CL	2	288		
		LHP	Sep	CL	1	57	1	13

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples				
					No.	No. meas.	No.	No. aged			
	4X	OTB	Jan	CL	6	1505	19	328			
			Feb	CL	11	2680					
			Mar	CL	2	480					
			Apr	CL	5	1334	18	290			
			May	CL	8	1907					
			Jun	CL	5	1285					
			Jul	CL	3	712					
			Aug	CL	1	97					
			Sep	CL	5	1144					
			Oct	CL	1	294	2	58			
			Nov	CL	1	200					
			Dec	CL	1	225					
		LL		Jan	CL	3	715	8	189		
	Feb			CL	5	1759					
	Apr			CL	1	250					
	May			CL	1	158	4	105			
	Jun			CL	2	594					
	Aug			CL	1	243	11	163			
	Sep			CL	10	2162					
	Oct			CL	2	487					
	Nov			CL	2	424					
	Dec			CL	1	241					
				LHP		Aug	CL	1	58	-	-
	5Z			OTB		Jun	CL	9	2017	9	272
		Jul	CL			4	861				
		Aug	CL			3	606	8	197		
		Sep	CL			1	202				
	RED	4V	OTB	Apr	CL	4	880	-	-		
				Jul	CL	2	462	-	-		
Oct				CL	1	193	-	-			
Nov				CL	1	209	-	-			
4W		OTB		Apr	CL	1	249	-	-		
				Nov	CL	1	298	-	-		
4X		OTB		Mar	CL	1	218	-	-		
				Apr	CL	1	274	-	-		
				May	CL	3	806	-	-		
				Jun	CL	3	534	-	-		
				Jul	CL	2	465	-	-		
				Sep	CL	1	270	-	-		
	Dec			CL	1	266	-	-			
POK	4V	OTB	Jan	CL	4	853	11	288			
			Feb	CL	4	979					
			Mar	CL	3	573					
			Apr	CL	9	1778	22	593			
			May	CL	9	2120					
			Jun	CL	4	1048					
			Jul	CL	1	192					
			Aug	CL	4	820					
			Sep	CL	7	1547					
			Oct	CL	4	1057	5	159			
			Nov	CL	1	256					
	4W	OTB		Feb	CL	3	630	3	77		
				Jun	CL	1	214	1	35		
				Aug	CL	2	589	2	69		
				GN		Jul	CL	1	223	2	60
						Sep	CL	1	313		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
		LL	Aug	CL	1	66	1	18
		LHP	Sep	CL	1	87	1	14
	4X	OTB	Jan	CL	5	1408	14	483
			Feb	CL	4	1038		
			Mar	CL	5	1088		
			Apr	CL	4	806	20	533
			May	CL	11	2403		
			Jun	CL	5	1152		
			Jul	CL	3	725	7	224
			Aug	CL	2	442		
			Sep	CL	2	465		
			Oct	CL	2	487	2	61
		GN	Apr	CL	2	438	6	154
			May	CL	1	296		
			Jun	CL	3	830		
			Jul	CL	3	711	11	166
			Aug	CL	5	893		
			Sep	CL	3	591		
		LHP	Jun	CL	3	505	3	68
			Jul	CL	5	521		
			Aug	CL	4	405		
			Sep	CL	2	71	9	108
	5Y	OTB	Oct	CL	1	200	1	36
		LHP	Jul	CL	1	211	1	29
	5Z	OTB	Jun	CL	3	612	3	89
			Jul	CL	2	392	2	57
		GN	Jul	CL	1	196	1	25
PLA	4V	OTB	Feb	CL	1	206	5	197
			Apr	CL	3	694		
			May	CL	1	168		
			Jun	CL	1	344		
		SN	May	CL	2	655	3	145
			Jun	CL	1	394		
	4W	LL	Jul	CL	1	115	1	23
WIT	4V	OTB	Apr	CL	2	633	-	-
		SN	May	CL	2	618	-	-
			Jun	CL	2	704		
			Jul	CL	1	273		
			Aug	CL	1	296		
			Sep	CL	2	690		
			Oct	CL	1	352		
YEL	4V	OTB	May	CL	1	314	-	-
			Jun	CL	2	391	-	-
			Sep	CL	1	207	-	-
	4X	OTB	Jun	CL	1	211	-	-
FLW	4X	OTB	Apr	CL	1	247	-	-
			May	CL	2	476		
			Jul	CL	1	255		
			Aug	CL	1	201		
			Sep	CL	1	363		
			Oct	CL	1	200		



Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
USK	4X	LL	Sep	CL	1	194	-	-
HKW	4W	GN	Jul	CL	1	218	-	-

CANADA (M) (Scientific Observer Data from Canada (M))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2J	OTB	Jan	OC	5	1021	-	-
			Feb	OC	2	413		
			Mar	OC	6	1166		
			Nov	OC	1	144		
			Dec	OC	22	4503		
	3K	OTB	Jan	OC	1	121	-	-
			Feb	OC	14	2608		
			Mar	OC	38	5826		
			Apr	OC	4	538		
			May	OC	19	2714		
			Aug	OC	5	462		
Sep			OC	1	265			
Oct			OC	3	192			
Dec			OC	20	3439			
3L	OTB	Jan	OC	2	64	-	-	
		Mar	OC	8	1250			
		Apr	OC	15	1778			
		May	OC	4	1001			
		Jun	OC	3	487			
		Jul	OC	2	77			
		Aug	OC	4	184			
		Sep	OC	1	64			
		Oct	OC	10	2585			
		Nov	OC	58	9620			
		Dec	OC	9	1775			
		30	OTB	Jan	OC			1
Feb	OC			1	152			
Mar	OC			2	112			
Nov	OC			4	458			
Dec	OC			16	2489			
3PS	OTB	Mar	OC	5	503	-	-	
		Nov	OC	7	812			
		Dec	OC	13	1502			
4R	OTB	Oct	OC	1	21	-	-	
		Nov	OC	7	1231			
		Dec	OC	12	263			
4S	OTB	Oct	OC	4	14	-	-	
4Vn	OTB	Jan	OC	11	2169	4	25	
		Feb	OC	4	649			
		Apr	OC	1	199			
		May	OC	2	288			
4Vs	OTB	Jan	OC	4	626	34	188	
		Feb	OC	9	1089			
		Mar	OC	30	3629			
		Apr	OC	3	97			
		May	OC	11	1053			
		Jun	OC	10	1364			

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
HAD			Jul	OC	8	1327	77	65		
			Aug	OC	48	6551				
			Sep	OC	29	4534				
			Oct	OC	27	4104				
			Nov	OC	2	136				
			4W	OTB	Feb	OC	1	70	1	33
					Jul	OC	1	165	-	-
					Sep	OC	1	213	-	-
					Nov	OC	1	171	-	-
					Dec	OC	1	166	-	-
		5Ze	OTB	Feb	OC	1	90	-	-	
		30	OTB	Jan	OC	2	129	-	-	
				Feb	OC	24	4208	-	-	
				Mar	OC	5	593	-	-	
				Nov	OC	3	214	-	-	
				Dec	OC	16	2464	-	-	
		3Ps	OTB	Nov	OC	6	835	-	-	
				Dec	OC	6	627	-	-	
		4Vn	OTB	Jan	OC	2	372	-	-	
		4Vs	OTB	Jan	OC	8	1511	17	98	
				Feb	OC	3	247			
				Mar	OC	14	1757	19	130	
				Apr	OC	4	287			
				May	OC	7	884			
				Jun	OC	8	667			
				Jul	OC	11	2128			
				Aug	OC	13	2137	13	50	
			Sep	OC	13	1615				
			Oct	OC	10	1693	10	27		
			Nov	OC	1	9				
	4W	OTB	Feb	OC	6	1005	-	-		
			Mar	OC	6	999	-	-		
			May	OC	1	71	1	8		
			Sep	OC	1	175	-	-		
			Oct	OC	22	4246	-	-		
			Nov	OC	1	62	23	43		
			Dec	OC	1	46				
	4X	OTB	Jan	OC	2	95	-	-		
			Feb	OC	3	363	-	-		
			Jul	OC	1	123	-	-		
	5Ze	OTB	Feb	OC	7	582	-	-		
RED	2J	OTB	Aug	OC	10	2300	-	-		
			Oct	OC	4	808	-	-		
			Dec	OC	2	424	-	-		
		3K	OTB	Feb	OC	12	2278	-	-	
				Mar	OC	14	1963	-	-	
				May	OC	10	2304	-	-	
				Jul	OC	2	140	-	-	
				Aug	OC	12	2002	-	-	
				Sep	OC	5	1827	-	-	
				Oct	OC	14	4143	-	-	
				Nov	OC	2	442	-	-	
				Dec	OC	4	580	-	-	

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
	3L	OTB	Mar	OC	1	182	-	-
			Apr	OC	2	192	-	-
			Jun	OC	2	515	-	-
			Jul	OC	26	5612	-	-
			Aug	OC	15	3241	-	-
			Sep	OC	2	731	-	-
			Oct	OC	6	2039	-	-
			Nov	OC	1	193	-	-
	30	OTB	Mar	OC	3	79	-	-
			Dec	OC	1	107	-	-
	3Pn	OTB	Apr	OC	14	2978	-	-
			May	OC	5	1240	-	-
			Oct	OC	1	126	-	-
			Nov	OC	1	111	-	-
	3Ps	OTB	Mar	OC	12	2581	-	-
			Jun	OC	1	223	-	-
			Oct	OC	1	210	-	-
			Nov	OC	1	192	-	-
			Dec	OC	1	6	-	-
	4R	OTB	Oct	OC	2	233	-	-
			Nov	OC	26	5612	-	-
			Dec	OC	4	891	-	-
	4S	OTB	Jul	OC	12	2599	-	-
			Sep	OC	10	2126	-	-
			Oct	OC	27	5422	-	-
			Nov	OC	3	615	-	-
			Dec	OC	9	1812	-	-
	4Vn	OTB	May	OC	1	98	-	-
			Nov	OC	4	634	-	-
	4Vs	OTB	Jan	OC	4	674	-	-
			Feb	OC	1	176	-	-
			Mar	OC	6	908	-	-
			Apr	OC	1	64	-	-
			May	OC	1	153	-	-
			Jun	OC	1	84	-	-
			Aug	OC	2	305	-	-
			Sep	OC	1	190	-	-
			Oct	OC	2	141	-	-
			Nov	OC	2	93	-	-
	4W	OTB	May	OC	1	71	-	-
	4X	OTB	Feb	OC	1	126	-	-
			Mar	OC	11	1715	-	-
			Nov	OC	4	617	-	-
HKS	3Ps	OTB	Nov	OC	2	6	2	6
			Dec	OC	3	27	-	-
	4Vs	OTB	Sep	OC	1	84	-	-
			Oct	OC	4	232	-	-
			Nov	OC	2	4	2	4
	4W	OTB	Oct	OC	2	86	-	-
	4X	OTB	Nov	OC	1	151	-	-

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
POK	3L	OTB	Aug	OC	1	1	-	-
	3Pn	OTB	Apr	OC	5	184	5	19
	3Ps	OTB	Dec	OC	3	16	-	-
	4R	OTB	Nov	OC	1	182	-	-
	4S	OTB	Oct	OC	2	74	-	-
			Nov	OC	1	46		
	4Vn	OTB	Jan	OC	1	16	1	16
			Apr	OC	1	123		
			May	OC	5	828		
	4Vs	OTB	Jan	OC	2	421	-	-
			Feb	OC	7	803		
			Mar	OC	12	1587		
			Apr	OC	6	538		
			May	OC	13	2378		
			Jun	OC	26	5138		
			Jul	OC	9	781		
			Aug	OC	12	1091		
			Sep	OC	27	3927		
			Oct	OC	7	954		
			Nov	OC	1	37		
	4W	OTB	Feb	OC	6	859	1	25
			Mar	OC	1	113		
			May	OC	3	548		
Jun			OC	1	265			
Jul			OC	2	366			
Aug			OC	2	236			
4X	OTB	Jan	OC	7	911	-	-	
		Feb	OC	6	831			
5Ze	OTB	Feb	OC	5	323	-	-	
PLA	2J	OTB	Aug	OC	1	2	-	-
			Nov	OC	1	131		
			Dec	OC	4	908		
	3K	OTB	Feb	OC	1	185	-	-
			Mar	OC	4	222		
			May	OC	2	4		
			Dec	OC	3	431		
	3L	OTB	Jan	OC	1	20	-	-
			Apr	OC	2	420		
			May	OC	1	188		
			Jun	OC	2	156		
			Jul	OC	1	119		
			Nov	OC	4	155		
			Dec	OC	6	1074		
	3N	OTB	Jan	OC	1	42	-	-
			Apr	OC	1	202		
			Dec	OC	2	445		
	3O	OTB	Dec	OC	13	2376	-	-
	3Ps	OTB	Mar	OC	5	674	-	-
			Oct	OC	1	60		
			Nov	OC	5	721		
			Dec	OC	2	139		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
	4Vs	OTB	Jan	OC	2	392	21	56
			Mar	OC	21	2899		
			May	OC	4	459		
			Jun	OC	2	151		
			Aug	OC	1	112		
			Sep	OC	1	101		
			Oct	OC	6	729		
WIT	3K	OTB	Mar	OC	3	183	-	-
			May	OC	2	119	-	-
	3L	OTB	Jan	OC	1	33	-	-
			Nov	OC	1	27	-	-
	30	OTB	Jan	OC	1	115	-	-
			Feb	OC	2	221		
			Mar	OC	4	300		
			Nov	OC	1	122		
			Dec	OC	1	104		
	3Pn	OTB	Nov	OC	1	55	-	-
3Ps	OTB	Mar	OC	2	20	-	-	
		Nov	OC	2	221	-	-	
4Vs	OTB	Jan	OC	4	643	-	-	
		Mar	OC	12	1472			
		May	OC	1	56			
		Sep	OC	1	115			
4W	OTB	Oct	OC	2	125	-	-	
YEL	3L	OTB	Apr	OC	1	200	-	-
			Jan	OC	1	20	-	-
			Mar	OC	1	1	-	-
			May	OC	7	750	-	-
			Jun	OC	3	354		
Jul	OC	2	407					
Aug	OC	6	969					
Sep	OC	4	197					
Oct	OC	15	2180					
GHL	2J	OTB	Aug	OC	1	27	-	-
			May	OC	1	1	-	-
			Jul	OC	1	34	-	-
HAL	30	OTB	Mar	OC	2	45	-	-
HKW	3Pn	OTB	Apr	OC	1	29	-	-
			Apr	OC	1	27	-	-

Table 2. (Continued)

CUBA (Scientific Observer Data from Canada (M))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	4Vs	OTB	Jun	OC	1	6	-	-
	4W	OTB	May	OC	1	2	-	-
			Jun	OC	1	224	-	-
			Aug	OC	2	76	-	-
4X	OTB	Aug	OC	1	10	-	-	
HAD	4Vs	OTB	Jun	OC	1	270	-	-
	4W	OTB	Apr	OC	3	314	-	-
			May	OC	22	3875	-	-
			Jun	OC	39	7699	-	-
			Aug	OC	11	1870	-	-
			Sep	OC	3	101	-	-
4X	OTB	Aug	OC	4	1190	-	-	
RED	4W	OTB	May	OC	1	121	-	-
HKS	4Vs	OTB	Jun	OC	1	184	-	-
	4W	OTB	Apr	OC	76	15895	76	133
			May	OC	74	14949	74	107
			Jun	OC	29	7042	29	214
			Aug	OC	58	14111	58	107
			Sep	OC	32	6676	32	6
4X	OTB	Aug	OC	1	267	1	35	
HKR	4W	OTB	Apr	OC	7	710	-	-
			May	OC	1	146	-	-
			Aug	OC	1	40	-	-
			Sep	OC	1	32	-	-
POK	4Vs	OTB	Jun	OC	2	132	-	-
	4W	OTB	Apr	OC	14	1043	-	-
			May	OC	9	527	-	-
			Jun	OC	3	589	-	-
PLA	4W	OTB	May	OC	1	124	-	-
			Aug	OC	1	28	-	-
WIT	4W	OTB	May	OC	3	47	-	-
			Aug	OC	1	29	-	-
YEL	4W	OTB	Jun	OC	1	104	-	-
			Aug	OC	2	379	-	-
TIL	4W	OTB	Apr	OC	1	1	-	-
HKW	4W	OTB	May	OC	1	82	-	-
			Aug	OC	1	45	-	-
			Sep	OC	1	179	-	-
HER	4W	OTB	May	OC	1	56	-	-
			Aug	OC	1	92	-	-
MAC	4W	OTB	May	OC	2	132	-	-
SHA	4W	OTB	May	OC	1	31	-	-
ARG	4W	OTB	May	OC	3	381	-	-
SQI	4W	OTB	Aug	OC	1	227	-	-

Table 2. (Continued)

FRANCE (M) (Scientific Observer Data from Canada (M))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	3Pn	OTB	Feb	OC	25	4696	25	114
	4R	OTB	Jan	OC	43	8496	43	180
	4Vn	OTB	Jan Feb	OC OC	19 41	3688 8097	60	261
HAD	3Pn	OTB	Feb	OC	6	222	-	-
	4R	OTB	Jan	OC	6	983	-	-
	4Vn	OTB	Feb	OC	7	530	-	-
RED	3Pn	OTB	Feb	OC	5	129	-	-
	4R	OTB	Jan	OC	13	1837	-	-
POK	3Pn	OTB	Feb	OC	17	2294	-	-
	4R	OTB	Jan	OC	16	1371	-	-
	4Vn	OTB	Jan Feb	OC OC	2 10	19 823	-	-
PLA	4R	OTB	Jan	OC	5	50	-	-
	4Vn	OTB	Feb	OC	2	17	-	-
WIT	4R	OTB	Jan	OC	3	32	-	-
	4Vn	OTB	Feb	OC	2	2	-	-
HAL	4Vn	OTB	Feb	OC	1	1	-	-
HER	4Vn	OTB	Feb	OC	1	12	-	-

FRANCE (SP) (Scientific Observer Data from Canada (M))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	3Pn	OTB	Mar	OC	29	5007	-	112
	3Ps	OTB	Apr	OC	2	425	-	-
	4R	OTB	Jan	OC	16	3094	16	113
			Apr	OC	1	136	-	-
	4Vn	OTB	Jan Feb Apr	OC OC OC	8 14 1	1312 2244 134	22	122
HAD	3Pn	OTB	Mar	OC	8	733	-	-
	4R	OTB	Jan	OC	3	480	-	-
	4Vn	OTB	Feb	OC	1	51	-	-
RED	3Pn	OTB	Mar	OC	4	348	-	-
	4R	OTB	Jan	OC	2	213	-	-
	4Vn	OTB	Feb May	OC OC	1 1	77 149	-	-

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
POK	3Pn	OTB	Mar	OC	5	249	-	-
	4R	OTB	Jan	OC	3	335	-	-
	4Vn	OTB	Jan	OC	2	133	-	-
			Feb	OC	2	244		
			Apr	OC	1	141		
May			OC	1	164			
PLA	3Pn	OTB	Mar	OC	1	3	-	-
WIT	3Pn	OTB	Mar	OC	3	17	-	-
	4R	OTB	Jan	OC	1	36	-	-
	4Vn	OTB	Feb	OC	1	76	-	-

JAPAN (Scientific Observer Data from Canada (M))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	30	OTB	Nov	OC	2	25	-	-
	4Vn	OTB	Aug	OC	1	10	-	-
	4Vs	OTB	Apr	OC	1	110	-	-
			Jul	OC	5	130		
			Aug	OC	1	12		
Oct			OC	5	108			
Nov	OC	5	85					
HAD	30	OTB	Apr	OC	1	212	-	-
			Aug	OC	1	93	-	-
			Nov	OC	4	306	-	-
	4Vs	OTB	Sep	OC	1	9	-	-
			Nov	OC	1	34	-	-
RED	30	OTB	Apr	OC	8	1698	-	-
			Jul	OC	7	1583	-	-
			Aug	OC	10	2427	-	-
			Nov	OC	9	2096	-	-
	4Vn	OTB	Jun	OC	1	113	-	-
			Jul	OC	2	359	-	-
			Aug	OC	11	2361	-	-
			Sep	OC	8	1746	-	-
			Oct	OC	1	209	-	-
	4Vs	OTB	Mar	OC	9	1879	-	-
			Apr	OC	2	431	-	-
			Jun	OC	9	1691	-	-
			Jul	OC	12	2615	-	-
			Aug	OC	8	1918	-	-
			Sep	OC	15	3239	-	-
Oct			OC	8	1797	-	-	
Nov	OC	7	1637	15	59			
4W	OTB	Apr	OC	5	1054	-	-	
		Sep	OC	1	209	-	-	



Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
HKS	30	OTB	Apr	OC	2	429	-	-	
	4Vs	OTB	Mar	OC	6	1251	6	22	
			Jul	OC	4	45	4	14	
			Sep	OC	5	191	5	32	
			Nov	OC	1	48	-	-	
	4W	OTB	Apr	OC	6	1265	6	7	
			Sep	OC	1	209	1	23	
	HKR	30	OTB	Aug	OC	2	131	-	-
		4Vn	OTB	Aug	OC	2	392	-	-
				Sep	OC	1	209	-	-
Oct				OC	1	88	-	-	
4Vs		OTB	Sep	OC	1	213	-	-	
			Nov	OC	1	4	-	-	
POK		4Vs	OTB	Mar	OC	4	198	-	-
				Apr	OC	2	147	-	-
	Jun			OC	1	14	-	-	
	Jul			OC	6	174	-	-	
	Aug			OC	4	308	-	-	
	Sep			OC	1	212	-	-	
	Oct			OC	3	217	-	-	
	Nov			OC	3	67	-	-	
	4W	OTB	Apr	OC	3	388	-	-	
	PLA	30	OTB	Nov	OC	5	113	-	-
		4Vn	OTB	Oct	OC	1	2	-	-
WIT	30	OTB	Aug	OC	5	397	-	-	
			Nov	OC	5	284	-	-	
	4Vn	OTB	Aug	OC	2	173	-	-	
			Sep	OC	1	230	-	-	
			Oct	OC	1	84	-	-	
	4Vs	OTB	Jul	OC	1	3	-	-	
Oct			OC	1	2	-	-		
GHL	30	OTB	Aug	OC	3	149	-	-	
			Nov	OC	2	20	-	-	
	4Vn	OTB	Sep	OC	1	21	-	-	
			Oct	OC	1	18	-	-	
HAL	4Vs	OTB	Nov	OC	1	3	-	-	
HKW	30	OTB	Aug	OC	2	14	-	-	
			Nov	OC	1	4	-	-	
	4Vn	OTB	Sep	OC	1	16	-	-	
			Oct	OC	1	8	-	-	
	4Vs	OTB	Oct	OC	2	11	-	-	
			Nov	OC	2	23	-	-	
ARG	30	OTB	Aug	OC	6	1166	-	-	
	4Vs	OTB	Jul	OC	2	325	-	-	
			Aug	OC	1	177	-	-	
			Sep	OC	2	183	-	-	
			Oct	OC	1	54	-	-	
			Nov	OC	4	466	-	-	

Table 2. (Continued)

USSR (Scientific Observer Data from Canada (M))								
Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	4W	OTB	Jun	OC	2	434	-	-
			Jul	OC	1	1	-	-
	4X	OTB	Jul	OC	2	5	-	-
HAD	4Vs	OTB	Jun	OC	1	196	-	-
	4W	OTB	May	OC	51	5769}	-	-
			Jun	OC	74	9782}	-	-
			Jul	OC	46	3907}	-	-
	4X	OTB	Jun	OC	2	169	-	-
			Jul	OC	11	1459	-	-
RED	4Vs	OTB	Jun	OC	1	120	-	-
	4W	OTB	May	OC	7	812}	-	-
			Jun	OC	1	405}	-	-
HKS	4W	OTB	May	OC	253	57267	253	287
			Jun	OC	392	91010	392	584
			Jul	OC	173	41430	173	329
	4X	OTB	Jun	OC	2	567	-	-
			Jul	OC	15	3269	15	9
HKR	4W	OTB	May	OC	8	937}	-	-
			Jun	OC	6	673}	-	-
POK	4Vs	OTB	Jun	OC	3	552	-	-
	4W	OTB	May	OC	36	3100}	-	-
			Jun	OC	11	1607}	-	-
			Jul	OC	5	260}	-	-
	4X	OTB	Jul	OC	3	35	-	-
PLA	4W	OTB	May	OC	7	303}	-	-
			Jun	OC	7	484}	-	-
			Jul	OC	3	40}	-	-
WIT	4W	OTB	May	OC	8	390}	-	-
			Jun	OC	3	251}	-	-
			Jul	OC	2	43}	-	-
YEL	4W	OTB	May	OC	2	73}	-	-
			Jun	OC	7	688}	-	-
			Jul	OC	4	201}	-	-
FLW	4W	OTB	Jul	OC	1	1	-	-
USK	4W	OTB	May	OC	3	16	-	-
HKW	4W	OTB	May	OC	3	77}	-	-
			Jun	OC	5	249}	-	-
HER	4W	OTB	May	OC	2	239	-	-
			Jun	OC	2	447	-	-
MAC	4W	OTB	May	OC	6	1124}	-	-
			Jun	OC	4	684}	-	-
ARG	4W	OTB	May	OC	9	1384}	-	-
			Jun	OC	3	404}	-	-
			Jul	OC	1	202}	-	-

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
SQI	4X	OTB	Jul	OC	1	146	-	-
	4W	OTB	May	OC	1	1		
			Jun	OC	18	3304		
			Jul	OC	10	1574		
	4X	OTB	Jul	OC	1	168		

CANADA (N) (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
COD	2J	OTB	Jan	CL	3	1217	-	56	
			GN	Jul	CL	1	104	-	440 <sup>1</sup>
				Aug	CL	39	9030	-	
		Sep		CL	2	618	-	200	
		LHP	Aug	CL	2	146	-	440 <sup>1</sup>	
			FPN	Aug	CL	22	7458	-	440 <sup>1</sup>
				3K	OTB	Jan	CL	19	6333
		Feb	CL			25	8064	-	482
		Mar	CL			10	3279	-	
		Apr	CL			3	1503	-	371
		May	CL			8	3194	-	
		GN	Jul	CL	11	2564	-	1052 <sup>2</sup>	
	Aug		CL	11	910	-			
	LL		Jun	CL	2	484	-	1052 <sup>2</sup>	
		Aug	CL	16	2895	-			
		Sep	CL	17	1971	-	379 <sup>3</sup>		
	LHP	Jun	CL	4	886	-			
		Jul	CL	6	1004	-	1052 <sup>2</sup>		
		Aug	CL	22	2212	-			
		Sep	CL	32	4837	-	379 <sup>3</sup>		
	FPN	Jun	CL	7	1792	-			
		Jul	CL	28	6801	-	1052 <sup>2</sup>		
		Aug	CL	5	1602	-			
3L	OTB	Jan	CL	1	326	-			
		Mar	CL	8	2825	-	346		
		Apr	CL	19	6076	-			
		May	CL	3	803	-	475		
		Jun	CL	2	526	-			
		Jul	CL	4	1228	-			
		Aug	CL	3	898	-	363		
		Sep	CL	5	1614	-			
		Oct	CL	11	2949	-			
		Nov	CL	16	5156	-	471		
		Dec	CL	5	1374	-			
		GN	May	CL	23	4457	-	856 <sup>4</sup>	
	Jun		CL	7	1982	-			
	Jul		CL	15	3136	-	1378 <sup>5</sup>		
	Aug		CL	10	1859	-			
	Sep	CL	7	2202	-	691 <sup>6</sup>			

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
		LL	Aug	CL	4	743	-	1378 <sup>5</sup>
			Sep	CL	6	1702	-	
			Oct	CL	2	1094	-	691 <sup>6</sup>
		LHP	Jun	CL	13	2420	-	
			Jul	CL	7	1519	-	1378 <sup>5</sup>
			Aug	CL	22	4343	-	
			Sep	CL	14	2506	-	691 <sup>6</sup>
		FPN	May	CL	5	1779	-	856 <sup>4</sup>
			Jun	CL	17	6485	-	
			Jul	CL	12	6019	-	1378 <sup>5</sup>
	3N	OTB	Apr	CL	1	114	-	75
			Jul	CL	5	1825	-	
			Aug	CL	2	438	-	404
			Sep	CL	2	371	-	
			Oct	CL	6	1229	-	396
			Nov	CL	1	309	-	
	30	OTB	Feb	CL	4	891	-	403
			Mar	CL	3	720	-	
			Apr	CL	2	301	-	181
			May	CL	1	234	-	
			Jul	CL	1	180	-	95
			Nov	CL	2	636	-	130
	3Ps	OTB	Jan	CL	6	2310	-	
			Feb	CL	1	190	-	485
			Mar	CL	1	206	-	
			Apr	CL	1	345	-	122
			May	CL	1	477	-	
		GN	May	CL	2	413	-	706 <sup>7</sup>
			Jun	CL	6	1641	-	
			Jul	CL	7	1355	-	523 <sup>8</sup>
			Aug	CL	7	997	-	
			Sep	CL	1	45	-	874 <sup>9</sup>
		LL	Feb	CL	8	3021	-	381
			Mar	CL	3	1233	-	
			Apr	CL	7	2313	-	706 <sup>7</sup>
			May	CL	1	262	-	
			Sep	CL	10	3301	-	
			Oct	CL	2	535	-	874 <sup>9</sup>
			Nov	CL	16	4484	-	
		LHP	May	CL	1	354	-	706 <sup>7</sup>
			Aug	CL	11	3191	-	523 <sup>8</sup>
			Sep	CL	2	192	-	874 <sup>9</sup>
		FPN	May	CL	5	1163	-	706 <sup>7</sup>
			Jun	CL	5	1841	-	
			Jul	CL	8	3433	-	523 <sup>8</sup>
HAD	3L	OTB	Dec	CL	1	455	-	-
	30	OTB	Jan	CL	4	2001	-	-
			Feb	CL	7	2402	-	-
			Mar	CL	1	337	-	-
			Apr	CL	2	859	-	-
			Jun	CL	1	349	-	-
			Oct	CL	1	418	-	-
			Nov	CL	1	503	-	-

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
POK	3Ps	OTB	Sep	CL	2	559	-	-	
			Nov	CL	1	282	-	-	
			Dec	CL	1	342	-	-	
REG	3K	OTB	Nov	CL	1	127/79	-	-	
	3Ps	OTB	Nov	CL	1	19/17	-	-	
REB	2H	OTB	Aug	CL	1	211/196	-	49/52	
	2J	OTB	Aug	CL	1	235/200	-	6/3	
	3K	OTB	Jan	CL	2	428/493	-	281/405	
			Feb	CL	7	941/1394			
			Mar	CL	3	507/677			
			Apr	CL	3	559/844			
			Jun	CL	1	102/114			
			Jul	CL	1	153/271			
			Aug	CL	2	329/419			
			Sep	CL	6	1079/1017			
			Oct	CL	2	361/323			
			Nov	CL	7	1296/1204			
			Dec	CL	2	367/431			
			3L	OTB	Apr	CL			6
	Jul	CL			1	107/351	-	46/66	
	3Pn	OTB	Oct	CL	1	186/311	-	215/234	
			Nov	CL	2	407/442			
Dec			CL	2	369/645				
		GN	Nov	CL	1	3/51	-	-	
	3Ps	OTB	Apr	CL	1	188/286	-	141/217	
			May	CL	1	186/289			
			Nov	CL	3	720/821			
PLA	3K	OTB	Jan	CL	1	22/404	-	193/396	
			Feb	CL	7	447/2074			
			Mar	CL	3	153/725			
			GN	Jul	CL	3	380/915	-	118/190
	3L	OTB	Feb	CL	1	116/231	-	232/358	
			Mar	CL	7	935/2328			
			Apr	CL	5	484/1439			
			May	CL	6	1334/1142			
			Jun	CL	1	79/371			
			Jul	CL	6	802/1292			
			Aug	CL	4	689/1041			
			Sep	CL	5	665/1213			
			Oct	CL	10	696/2696			
			Nov	CL	14	1322/4010			
			Dec	CL	2	150/568			
				GN	May	CL			16
			Jun	CL	6	481/2214	-	352/697	
			Jul	CL	6	235/1554			
			Aug	CL	4	224/1366			
			Sep	CL	2	96/734	-	55/136	

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
WIT	3N	OTB	Apr	CL	2	225/337	-	157/240		
			May	CL	1	69/269				
			Jun	CL	1	173/143				
			Jul	CL	4	489/836				
			Aug	CL	7	932/1706				
			Sep	CL	2	257/506				
			Oct	CL	9	1382/1791				
			Nov	CL	1	143/214				
			30	OTB	Feb	CL			1	41/257
	Mar	CL			3	197/929				
	May	CL			1	111/204				
	Jul	CL			1	103/176				
	Nov	CL			1	94/261				
	3Ps	OTB	Jan	CL	12	1465/3260	-	337/562		
			Feb	CL	2	275/501				
			Mar	CL	4	345/868				
			Aug	CL	1	79/335				
				GN	Aug	CL			1	44/218
	3K	OTB	Jan	CL	1	170/75	-	94/101		
			Feb	CL	1	240/91				
			Apr	CL	1	186/228				
			Dec	CL	1	325/138				
		GN	Jul	CL	2	77/232	-	167/213		
			Aug	CL	3	277/556				
			Sep	CL	1	176/185				
		3L	OTB	Apr	CL	1	262/141	-	43/44	
					GN	May	CL			1
	Jun		CL	2	90/617	-	383/492			
	Jul		CL	5	385/682					
	Aug		CL	7	349/1148					
	Sep		CL	4	645/551					
			OTB	Jan	CL			3	825/686	-
30	Feb	CL	6	1208/1137						
	Mar	CL	5	1030/1052						
	Apr	CL	1	186/137	-	68/79				
	May	CL	2	502/422						
	Jul	CL	1	247/168	-	73/86				
	Sep	CL	1	232/202						
3Ps	OTB	Jan	CL	2	539/466	-	135/179			
		Feb	CL	1	221/247					
		Mar	CL	1	203/148					
YEL	3L	OTB	May	CL	1	249/218	-	31/35		
			Jul	CL	1	216/193				
			Aug	CL	2	307/441			-	90/124
			Sep	CL	2	448/443				
			3N	OTB	Mar	CL			2	511/546
Apr	CL	5			1192/1193					
May	CL	3			804/618	-	204/273			
Jun	CL	5			1148/1036					
Jul	CL	5			1092/1060					
Aug	CL	5			1256/1042	-	208/271			
Sep	CL	8			1742/1736					
Oct	CL	13			2878/2808					
Dec	CL	2			417/437					
	CL	2			417/437			-	229/272	

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
GHL	2H	OTB	Aug	CL	1	144/210	-	63/77	
			Jul	CL	4	515/524	-	275/377	
	Aug	CL	2	366/321					
	3K	OTB	GN	Sep	CL	4	765/792	-	206/234
			GN	Jan	CL	2	391/393	-	85/102
				Jul	CL	3	604/723	-	228/265
	Aug	CL		10	1407/1813				
	3L	OTB	GN	Sep	CL	11	1380/1750	-	207/255
				Oct	CL	1	80/153	-	187/270
			Nov	CL	4	374/632			
	3L	GN	May	CL	11	1387/1928	-	315/367	
			Jul	CL	5	602/974	-	391/489	
			Aug	CL	6	956/1538			
			Sep	CL	7	973/1450	-	230/259	

<sup>1</sup>Same key used for GN, LHP and FPN.  
<sup>2</sup>Same key used for GN, LL, LHP and FPN.  
<sup>3</sup>Same key used for LL and LHP.  
<sup>4</sup>Same key used for GN and FPN.  
<sup>5</sup>Same key used for GN, LL, LHP and FPN.

<sup>6</sup>Same key used for GN, LL and LHP.  
<sup>7</sup>Same key used for GN, LL, LHP and FPN.  
<sup>8</sup>Same key used for GN, LHP and FPN.  
<sup>9</sup>Same key used for GN, LL and LHP.

CANADA (M) (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	3L	OTB	Dec	OL	2	536	-	-
			Jan	CL	1	114	-	-
HAD	30	OTB	Jan	CL	1	198	-	-
REB	2J	OTB	Sep	CL	1	95/113	-	-
			Jan	CL	2	166/237	-	-
			May	CL	1	97/119	-	-
GHL	2G	LL	Oct	OL	9	18/1027	-	5/96

CANADA (N) (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2J	OTB	Jan	OL	2	656	-	-
			GN	Aug	OL	1	373	-
	Sep	OL		3	761	-	59	
	Nov	OL		2	580			
	3K	OTB	Jan	OL	24	6524	-	173
			Feb	OL	20	5607		
			Mar	OL	16	4005		
			Apr	OL	5	934		
			May	OL	4	928		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
	3L	OTB	Jan	OL	2	445	-	141
			Mar	OL	24	6959		
			Apr	OL	11	3030		
			May	OL	2	592		
			Jun	OL	1	239		
			Jul	OL	6	1415		
			Aug	OL	1	274		
			Dec	OL	1	96		
	3N	OTB	May	OL	2	646	-	-
			Jun	OL	1	157	-	-
			Jul	OL	1	225	-	-
	3O	OTB	Mar	OL	1	94	-	-
			May	OL	1	144	-	-
	3Pn	OTB	Mar	OL	2	479	-	-
	3Ps	OTB	Jan	OL	1	257	-	-
			Feb	OL	1	282	-	-
	4R	OTB	Apr	OL	1	260	-	-
			May	OL	1	264	-	-
	4Vn	OTB	Mar	OL	3	841	-	-
			Apr	OL	2	559	-	-
	4Vs	OTB	Jan	OL	1	273	-	-
			Feb	OL	2	535	-	-
			May	OL	1	249	-	-
HAD	3O	OTB	Feb	OL	1	257	-	-
			Mar	OL	2	523	-	-
			Jun	OL	1	186	-	-
	4Vn	OTB	Apr	OL	1	265	-	-
REB	2J	OTB	Aug	OL	1	169/247	-	-
			Nov	OL	2	462/360	-	-
	3K	OTB	Feb	OL	1	119/286	-	-
			Mar	OL	5	838/1129	-	-
			May	OL	5	1397/859	-	-
			Oct	OL	22	4551/4530	-	-
			Nov	OL	33	6523/7368	-	-
			Dec	OL	1	154/256	-	-
	3L	OTB	Apr	OL	2	418/421	-	-
			May	OL	1	270/210	-	-
			Jun	OL	1	72/342	-	-
	3Pn	OTB	Feb	OL	2	335/421	-	39/52
	3Ps	OTB	Feb	OL	1	160/223	-	-
			Mar	OL	8	1208/2290	-	-
	4R	OTB	May	OL	3	790/484	-	-
			Jun	OL	1	312/242	-	-
	4Vs	OTB	Apr	OL	2	257/381	-	-
PLA	3L	OTB	May	OL	5	646/722	-	-
WIT	3O	OTB	Jan	OL	2	250/374	-	-
			Feb	OL	16	1885/2349	-	-
			Mar	OL	4	343/427	-	-



Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
YEL	3N	OTB	Jan	OL	1	37/54	-	-
GHL	2J	OTB	Jul	OL	23	3927/3056	-	234/373
			Aug	OL	22	2969/3177		
			Sep	OL	12	1572/1772		
	GN	Aug	OL	16	1991/2385	-	87/122	
		Sep	OL	21	2414/3066			
		Oct	OL	20	2334/2798			
		Nov	OL	8	869/1118			

CANADA (Q) (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
GHL	2J	OTB	Nov	OL	-	47/42	-	47/42

FAROEES (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2H	LL	Jul	OL	-	153	-	153
			Sep	OL	12	2791		
			Oct	OL	14	3920		
GHL	0B	LL	Jun	OL	2	11/142	-	-
			Jul	OL	10	36/1542		
			Aug	OL	13	38/1968		
			Sep	OL	18	35/3022		
	2G	LL	Apr	OL	-	26/195	-	26/195
Jun	OL		18	75/1968				
Jul	OL		27	79/3739				
Aug	OL		12	35/2318				
2J	LL	Apr	OL	4	78/523	-	12/21	
3K	LL		Jan	OL	-	19/24	-	19/24
			Mar	OL	1	19/123	-	-

FRANCE (M) (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2J	OTB	Jan	OL	2	567	-	73
	3K	OTB	Jan	OL	4	1000	-	68

FRANCE (SP) (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	3N	OTB	Jun	OL	8	1585	-	167
YEL	3N	OTB	Jun	OL	2	293/223	-	-

Table 2. (Continued)

FED. REP. GER. (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2H	OTB	Nov	OL	2	503	-	68
	2J	OTB	Jan	OL	36	9670	-	286
	3K	OTB	Jan	OL	4	1116	-	40

GERMAN DEM. REP. (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
REB	3L	OTB	Oct	OL	3	667/684	-	-
			Nov	OL	10	2216/2152		
GHL	2H	OTB	Nov	OL	1	108/98	-	119/191
			Dec	OL	14	1798/1724		
	3K	OTB	Aug	OL	2	56/104	-	31/60
			Sep	OL	1	42/43		
			Oct	OL	1	15/52		
			Nov	OL	2	202/309		

JAPAN (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2J	OTB	Dec	OL	1	258	-	25
REB	3K	OTB	Aug	OL	2	436/395	-	-
			Sep	OL	4	917/804		
			Nov	OL	11	2256/2444		
			Dec	OL	9	1470/2265		
	30	OTB	Apr	OL	3	284/955	-	61/90
GHL	2H	OTB	Nov	OL	1	100/148	-	19/28
			Dec	OL	2	228/314		
	2J	OTB	Aug	OL	3	469/406	-	55/55
			Sep	OL	1	97/104		
			Nov	OL	1	128/101		
			Dec	OL	7	914/613		
	3K	OTB	Aug	OL	1	130/115	-	-
			Sep	OL	1	163/124		

POLAND (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
REB	2J	OTB	Aug	OL	5	909/885	-	-
			Sep	OL	4	822/855		
	3K	OTB	Aug	OL	2	341/309	-	-
			Sep	OL	7	1476/1354		
			Oct	OL	4	884/875		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
GHL	2H	OTB	Aug	OL	6	768/492	-	63/88
	2J	OTB	Aug	OL	4	449/290	-	-
	3K	OTB	Aug	OL	2	148/166	-	-

USSR (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
REB	2J	OTB	Aug	OL	3	690/575	-	-
			Sep	OL	3	710/503		
	3K	OTB	Aug	OL	8	1624/1723	-	-
			Sep	OL	15	3212/3113		
	3M	OTM	Aug	OL	3	1052/253	-	-
			Sep	OL	1	213/198		
GHL	2H	OTB	Dec	OL	3	224/121	-	29/32

UNITED KINGDOM (Scientific Observer Data from Canada (N))

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	2J	OTB	Nov	OL	12	2790	-	88
			Dec	OL	3	634		
	3K	OTB	Dec	OL	1	246	-	-

Table 2. (Continued)

FRANCE (SP) (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
COD	3Pn	OTB	Jan	CL	1	207	-	-	
			3Ps	OTB	Jan	CL	1	204	-
	Mar	CL	1		200	-			
	Apr	CL	3		661	-			
	May	CL	3		718	-	238		
	Jun	CL	1		226	-			
	Jul	CL	1		212	-	36		
	Oct	CL	3		519	-			
	Nov	CL	4		823	-	198		
	Dec	CL	2		446	-			
	LHP	LHP	Jun		CL	3	600	-	160
	Jul		CL		1	230	-		
	Aug		CL		3	825	-	176	
	Sep		CL	3	607	-			
	4R	OTB	Jan	CL	1	243	-	-	
	4Vn	OTB	Feb	CL	1	239	-	-	
HAD	3Ps	OTB	Jun	CL	1	194	-	-	
			Jul	CL	1	237	-	-	
			Oct	CL	1	199	-	-	
			Nov	CL	1	241	-	-	

GERMAN DEM. REP. (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
GHL	2G	OTB	Nov	CC	1	31/6	4	77/37
			Dec	CC	3	46/31		
	3K	OTB	Aug	CC	1	22/29	2	63/35
			Sep	CC	1	41/6		
			Oct	CC	3	77/45		
Nov	CC	3	57/18	6	134/63			
MAC	6A	OTM	Feb	CC	1	305	-	-
			Mar	CC	1	348	-	-
	6B	OTM	Feb	CC	3	902	-	-
			Mar	CC	2	609	-	-
	6C	OTM	Feb	CC	1	305	-	-

Table 2. (Continued)

PORTUGAL (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
COD	3M	OTB	Jun	CC	15	1687	14	263
			Jul	CC	1	32	9	255
			Aug	CC	8	932		
	3N	OTB	May	CC	2	210	-	-
			Jul	CC	28	3112	-	-
RED	3L	OTB	May	CC	6	291/324	-	-
			Jun	CC	6	283/338		
			Jun	CC	1	107		
			Jul	CC	4	184/257		
			Aug	CC	21	1030/1190		
			Sep	CC	6	294/336		
			Jul	CC	4	426		
			Aug	CC	15	1667		
			Sep	CC	5	572		
	3M	OTB	Jun	CC	2	113/114	-	-
			Jul	CC	1	105	-	-
	3N	OTB	May	CC	1	67/44	-	-
			Jul	CC	3	151/175	-	-
		Jul	CC	3	400	-	-	
YEL	3L	OTB	Jun	CC	13	1450	-	-
			Jul	CC	2	217	-	-
	3M	OTB	Jun	CC	3	320	-	-

SPAIN (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples					
					No.	No. meas.	No.	No. aged				
COD	3L	PTB	Apr	CL	13	2708	-	393				
			May	CL	1	269						
	3M	PTB	Apr	CL	13	2817	-	1195				
			May	CL	18	4678						
			Jun	CL	5	1340						
			Aug	CL	4	1040						
			Sep	CL	20	5262						
			Oct	CL	1	225						
			Nov	CL	4	1038						
			3N	PTB	May	CL			3	824	-	17
					Jun	CL			3	755		
			Aug	CL	4	1027						
			Sep	CL	13	2605						
			Oct	CL	12	3270						
			Nov	CL	1	282	-	703				
RED	3N	OTB	Nov	CL	5	421/596	-	-				
PLA	3L	OTB	Jul	CL	5	409/562	-	-				
			Aug	CL	55	3584/7182						
			Sep	CL	45	3623/5196						
			Oct	CL	6	290/578						
			Nov	CL	22	2216/3919						
			Dec	CL	-	120/250						
	3M	OTB	Aug	CL	3	247/325	-	-				

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
	3N	OTB	Jul	CL	23	1024/2867	-	-
			Aug	CL	27	2114/3105		
			Sep	CL	6	502/693		
			Oct	CL	1	47/138		
			Nov	CL	90	3392/3983		
			Dec	CL	43	2354/2537		
WIT	3N	OTB	Nov	CL	3	149/293	-	-
			Dec	CL	2	116/214		
YEL	3N	OTB	Oct	CL	2	107/144	-	-
			Dec	CL	4	365/426		

USSR (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HKS	4W	OTB	Jun	CC	158	16199/15540	-	117/161
			Jul	CC	119	10988/12879	-	137/187

USA (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
COD	3N	OTB	Feb	CL	1	64	1	28	
			Apr	CL	2	138	1	63	
			Oct	CL	1	99	1	26	
	4X	OTB	Feb	CL	1	101	1	26	
				5Y	OTB	Jan	CL	1	48
	Feb	CL	3	287					
	Mar	CL	2	168					
	Apr	CL	4	269					
	May	CL	5	646					
	Jun	CL	2	139					
	Jul	CL	4	362					
	Aug	CL	4	554					
	Sep	CL	4	443					
	Oct	CL	3	246					
	Dec	CL	4	343					
	GN		GN	Feb	CL	3	220	1	73
				Apr	CL	1	97	1	23
				Aug	CL	1	63	1	35
	LL		LL	Nov	CL	1	83	-	-
				5Z	OTB	Jan	CL	2	373
Feb	CL	4	821						
Mar	CL	4	481						
Apr	CL	3	544						
May	CL	5	620						
Jun	CL	5	540						
Jul	CL	5	785						
Aug	CL	4	614						
Sep	CL	6	862						

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
HAD			Oct	CL	3	245	12	464		
			Nov	CL	4	509				
			Dec	CL	5	774				
	5Zw	OTB	Nov	CL	2	156	2	130		
			Dec	CL	2	191				
	3N	OTB	Jul	CL	1	99	1	27		
			4X	OTB	Feb	CL	1	52	1	15
	Jul	CL			1	79	1	39		
	5Y	OTB	Jan	CL	2	92	7	282		
			Feb	CL	4	268				
			Mar	CL	1	104				
			Apr	CL	1	53				
			May	CL	3	201			8	117
			Jun	CL	4	138				
			Jul	CL	5	508			10	218
			Aug	CL	2	167				
			Sep	CL	3	321				
			Oct	CL	2	218				
			Dec	CL	3	206	5	113		
				CL	3	206				
GNS				Apr	CL	1	84	1	22	
	LL			Oct	CL	1	51	1	20	
5Z	OTB		Jan	CL	2	138	7	188		
		Feb	CL	3	229					
		Mar	CL	2	103					
		Apr	CL	2	110					
		May	CL	3	277	8			167	
		Jun	CL	3	249					
		Jul	CL	2	122	8			196	
		Sep	CL	6	498					
		Oct	CL	1	103					
		Nov	CL	1	108	5	132			
		Dec	CL	3	339					
		RED	3N	OTB	Jun	CL	1	46/54	1	22
30	OTB				Mar	CL	1	64/37	1	23
			May	CL	1	56/47	1	23		
4X	OTB		Jan	CL	1	34/64	3	80		
			Feb	CL	1	34/65				
			Mar	CL	1	60/39				
			Apr	CL	1	43/57	1	31		
5Y	OTB		Jan	CL	1	61/39	11	375		
			Feb	CL	4	249/283				
			Mar	CL	6	333/333				
			Apr	CL	3	162/122			15	379
			May	CL	5	281/248				
			Jun	CL	7	350/396			12	394
			Jul	CL	5	263/219				
			Aug	CL	4	331/270				
		Sep	CL	3	383/161					
		Oct	CL	2	116/89					
		Nov	CL	1	74/29	7	186			
Dec	CL	4	155/250							

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HKS	5Z	OTB	Mar	CL	2	111/95	1	53
			May	CL	2	109/88	3	76
			Jun	CL	1	69/41		
			Jul	CL	2	118/90	3	67
			Sep	CL	1	69/30		
			Dec	CL	2	82/120	2	21
	5Y	OTB	Feb	CL	2	192	-	-
			Mar	CL	3	535	-	-
			May	CL	2	458	-	-
			Aug	CL	3	246	-	-
			Sep	CL	4	1013	-	-
			Oct	CL	2	416	-	-
			Nov	CL	3	674	-	-
	Dec	CL	5	690	-	-		
	5Z	OTB	Jun	CL	1	79	-	-
			Jul	CL	4	619	-	-
			Aug	CL	1	99	-	-
			Sep	CL	2	230	-	-
			Dec	CL	1	101	-	-
	5Zw	OTB	Feb	CL	1	300	-	-
			Jun	CL	5	797	-	-
			Jul	CL	2	207	-	-
			Aug	CL	1	198	-	-
Sep			CL	5	1016	-	-	
Oct			CL	2	391	-	-	
Nov			CL	1	100	-	-	
Dec			CL	2	445	-	-	
6A	OTB	Jan	CL	2	602	-	-	
		Feb	CL	4	758	-	-	
		Mar	CL	3	605	-	-	
		Apr	CL	1	200	-	-	
		May	CL	1	186	-	-	
		Jun	CL	1	110	-	-	
		Jul	CL	2	417	-	-	
		Nov	CL	1	100	-	-	
		Dec	CL	4	393	-	-	
6B	OTB	Feb	CL	1	103	-	-	
		Mar	CL	1	105	-	-	
HKR	5Y	OTB	Feb	CL	1	3	-	-
			May	CL	3	177	-	-
			Jul	CL	1	94	-	-
			Aug	CL	2	202	-	-
			Sep	CL	1	138	-	-
			Nov	CL	4	461	-	-
			Dec	CL	1	105	-	-
	SB		Feb	CL	1	32	-	-
			Jun	CL	1	21	-	-
			Jul	CL	1	12	-	-
	5Z	OTB	Jun	CL	1	102	-	-
			Sep	CL	1	104	-	-
			Nov	CL	1	111	-	-
	5Zw	OTB	Jun	CL	2	221	-	-
Aug			CL	1	102	-	-	
Sep			CL	1	118	-	-	
Dec			CL	1	100	-	-	



Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
POL	6A	OTB	Jan	CL	2	304	-	-		
			Apr	CL	1	103	-	-		
			May	CL	1	100	-	-		
			FPO	May	CL	1	100	-	-	
		6B	FPO	Jun	CL	1	120	-	-	
	4X	OTB	Mar	CL	2	175	2	51		
			Apr	CL	1	99	1	33		
	Aug		CL	1	101	1	28			
	5Y	OTB	Jan	CL	2	268	14	369		
			Feb	CL	5	508				
			Mar	CL	7	677				
			Apr	CL	1	99	13	384		
			May	CL	8	1007				
			Jun	CL	4	339				
			Jul	CL	4	564				
Aug			CL	3	301	10	398			
Sep			CL	3	580					
Oct			CL	3	353	10	206			
Dec			CL	7	682					
GNS				Feb	CL	1	224	2	69	
	Mar	CL		1	90					
	Apr	CL		1	105	3	115			
	May	CL		1	109					
	Jun	CL		1	165					
	Aug	CL		1	318	2	126			
	Sep	CL		1	197					
	Oct	CL		1	99	3	143			
	Nov	CL		1	181					
	Dec	CL		1	269					
	GND			Jan	CL	1	108	1	20	
				Jun	CL	1	85	1	35	
5Z	OTB	Feb	CL	2	192	4	134			
		Mar	CL	2	291					
		Apr	CL	1	106					
		May	CL	1	102	3	81			
		Jun	CL	1	77					
		Jul	CL	3	382	4	124			
		Sep	CL	1	109					
		Oct	CL	2	187					
		Nov	CL	1	95	5	107			
		Dec	CL	2	194					
		PLA	3N	OTB	Jan	CL	1	107	1	25
					May	CL	1	132	1	30
Aug	CL				2	149	4	84		
Sep	CL				2	203				
Nov	CL				1	107	2	50		
Dec	CL				1	110				
30	OTB	Jun	CL	1	97	1	30			
		Nov	CL	1	100	1	25			

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
	5Y	OTB	Feb	CL	7	658	14	387		
			Mar	CL	7	887				
			Apr	CL	3	288				
			May	CL	8	748	16	388		
			Jun	CL	5	612				
			Jul	CL	7	1116				
			Aug	CL	1	97	10	316		
			Sep	CL	2	208				
			Oct	CL	2	204				
			Nov	CL	1	341	8	196		
			Dec	CL	5	432				
			SB	Jan	CL	2	138	4	96	
	Feb	CL		1	195					
	Mar	CL		1	158					
	Jun	CL		2	142					
	Aug	CL		1	50					
	5Z	OTB	Feb	CL	1	46	6	106		
			Mar	CL	4	478				
			Apr	CL	1	110				
			May	CL	6	668	13	280		
			Jun	CL	6	524				
			Jul	CL	1	81				
			Aug	CL	1	83	9	204		
			Sep	CL	7	867				
Nov			CL	4	309					
Dec			CL	3	285	7	134			
WIT			3N	OTB	May	CL	2	179	4	140
					Jun	CL	2	435		
	Jul	CL			1	103	5	150		
	Aug	CL			3	373				
	Sep	CL			1	194				
30	OTB	Jun	CL	1	149	1	28			
4X	OTB	Mar	CL	1	119	1	26			
5Y	OTB	Jan	CL	2	377	8	184			
		Feb	CL	3	285					
		Mar	CL	3	335					
		Apr	CL	4	510	11	282			
		May	CL	5	417					
		Jun	CL	2	274					
		Jul	CL	5	667	7	211			
		Aug	CL	1	114					
		Sep	CL	1	186					
		Nov	CL	3	333	8	173			
		Dec	CL	5	478					
		SB	Jan	CL	1	111	2	46		
	Feb		CL	2	106					
	Jun		CL	1	83					
	Jul		CL	1	54					
	Aug		CL	1	51					
	5Z	OTB	Jan	CL	1	110	2	42		
			Mar	CL	1	159				
May			CL	1	97	1	25			
Nov			CL	1	74	2	44			
Dec			CL	1	101					

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples					
					No.	No. meas.	No.	No. aged				
YEL	3N	OTB	May	CL	1	179/118	7	258				
			Jul	CL	3	204/187						
			Aug	CL	2	81/110						
			Sep	CL	1	114/137						
			Nov	CL	1	50/52						
			Dec	CL	1	52/48						
	5Y	OTB	Nov	CL	3	206/48	3	80				
			5Z	OTB	Jan	CL	2	162/232	9	428		
	Feb	CL			2	504/403						
	Mar	CL			5	219/303						
	Apr	CL			2	393/292						
	May	CL			2	162/156						
	Jun	CL			5	214/305						
	Jul	CL			5	222/402						
	Aug	CL			1	93/44						
	Sep	CL			7	563/339						
	Oct	CL			6	401/881						
	Nov	CL			4	232/196						
	Dec	CL			3	169/168						
	5Zw	OTB	Jan	CL	1	88/70	5	145				
			Feb	CL	4	310/248						
			May	CL	1	90/49						
Jun			CL	2	95/113							
Aug			CL	3	165/251							
Sep			CL	2	127/88							
Nov			CL	1	23/78							
6A			OTB	Jan	CL	1			35/100	9	273	
				Feb	CL	2			154/155			
				Mar	CL	6			347/328			
FLW			5Y	OTB	Feb	CL			1	84	4	116
	Mar	CL			1	112						
	Apr	CL			1	78						
	May	CL			1	109						
	Jun	CL			2	268						
	Jul	CL			1	86						
	Sep	CL			1	111						
	Oct	CL			1	120						
	Nov	CL			2	166						
	Dec	CL			3	299						
	5Z	OTB			Mar	CL	1	70	1	25		
					Feb	CL	2	230	7	160		
					Mar	CL	5	722				
					Apr	CL	2	211				
					May	CL	4	394				
	Jun	CL	8	882								
	5Z	OTB	Jul	CL	4	370	14	282				
			Aug	CL	3	477						
			Sep	CL	7	751						
			Oct	CL	4	536						
Nov			CL	4	394							
Dec			CL	6	622							

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
FLS	5Zw	OTB	Jan	CL	1	97	3	74	
			Feb	CL	2	256			
			Apr	CL	3	388			
			May	CL	2	173	6	181	
			Jun	CL	1	379			
			Jul	CL	2	218	2	50	
			Oct	CL	1	199	1	50	
	6A	OTB	Jan	CL	1	130	2	20	
			Mar	CL	1	102			
			Apr	CL	1	113	2	43	
			May	CL	1	127			
			Jul	CL	1	171	1	26	
	5Z	OTB	Feb	CL	1	90	2	50	
			Mar	CL	1	113			
Sep			CL	1	118	1	25		
5Zw	OTB	Feb	CL	1	89	1	25		
		May	CL	1	159	2	75		
		Jun	CL	1	82				
		Jul	CL	2	289	5	150		
		Aug	CL	1	103				
		Sep	CL	2	279				
		Oct	CL	3	550	4	150		
		Dec	CL	1	85				
		6A	OTB	Jan	CL	2	558	11	512
				Feb	CL	3	222		
Mar	CL			6	468				
Apr	CL			1	81	5	121		
May	CL			3	272				
Jun	CL			1	99				
Jul	CL			1	99	8	179		
Aug	CL			3	200				
Sep	CL			4	307				
Oct	CL			1	272	3	150		
Nov	CL			1	119				
Dec	CL			1	188				
6B	OTB			Jan	CL	1	216	9	237
		Feb	CL	5	507				
		Mar	CL	3	363				
		Sep	CL	1	798	1	200		
		Oct	CL	2	242	3	117		
		Nov	CL	1	193				
6C	OTB	Jan	CL	3	555	3	94		
		Dec	CL	2	266	2	66		
FLD	5Z	OTB	Mar	CL	1	102	1	25	
			Apr	CL	2	206			
			May	CL	2	236	6	125	
			Jun	CL	2	244			
			Sep	CL	2	210			
			Oct	CL	1	115	2	125	
			Nov	CL	1	420			
			5Zw	OTB	Apr	CL	2	197	2

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
USK	5Y	OTB	Feb	CL	3	254	3	43		
			Mar	CL	1	87				
			May	CL	2	163				
			Jul	CL	2	232				
			Sep	CL	1	98				
			Nov	CL	1	100				
			Jun	CL	1	102				
			Sep	CL	1	103				
			Nov	CL	2	197				
			Apr	CL	1	72				
			May	CL	1	117				
Jun	CL	1	112							
Jul	CL	1	104							
Dec	CL	1	102							
SCP	5Zw	OTB	Jan	CL	1	79	1	25		
			Jun	CL	2	406	2	75		
			Jul	CL	1	214	2	75		
			Sep	CL	1	103				
			Oct	CL	2	192	3	75		
			Nov	CL	1	100				
			Jan	CL	1	93	5	173		
			Mar	CL	4	574				
			Oct	CL	1	125	6	250		
			Nov	CL	1	103				
			Dec	CL	4	1028				
Feb	CL	7	987	11	389					
Mar	CL	4	665							
Apr	CL	1	798							
HKW	30	LL	May	CL	1	104	-	-		
			Jun	CL	1	102				
	5Y	OTB	Jan	CL	1	122	-	-		
			Feb	CL	1	106				
			Mar	CL	1	203				
			Apr	CL	1	184				
			May	CL	3	306				
			Jun	CL	1	105				
			Jul	CL	2	245				
			Aug	CL	2	314				
			Nov	CL	1	112				
			Dec	CL	3	314				
			Feb	CL	1	102			-	-
			Jun	CL	1	105				
			Jul	CL	1	95				
	Sep	CL	1	101	-	-				
	Oct	CL	1	106						
CAT	3N	OTB	Feb	CL	1	103	-	-		
	5Y	OTB	Mar	CL	1	106	-	-		
HER	5Y	PS	Jan	CL	1	408	3	330		
			Feb	CL	1	458				
			Mar	CL	1	230				
			Apr	CL	2	358				
			Aug	CL	1	106				
			Sep	CL	1	89				
			Nov	CL	1	226				
			Dec	CL	1	195				

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
MAC	5Y	OTB	Dec	CL	2	220	2	44	
			Aug	CL	1	198	-	-	
		PS	Aug	CL	1	99	-	-	
			GNS	Feb	CL	1	149	1	31
				Jun	CL	1	95	1	25
		Oct		CL	1	99	1	28	
		FPN	Jun	CL	1	88	-	-	
			FPO	Jun	CL	1	186	1	51
		5Zw	OTB	Dec	CL	1	99	1	25
		6A	OTB	Jan	CL	1	85	4	307
	Feb			CL	1	94			
	Mar			CL	2	672			
	6B	OTB	Feb	CL	1	331	2	125	
			Mar	CL	1	215			
	6C	OTB	Feb	CL	1	303	2	104	
Mar			CL	1	103				
BUT	5Y	OTB	Sep	CL	1	51	-	-	
			5Z	OTB	Mar	CL	2	202	2
	5Zw	OTB	Jan	CL	1	97	4	125	
			Feb	CL	3	396			
			Jun	CL	1	109			
			Jul	CL	1	216			
			Aug	CL	1	316			
			Sep	CL	3	409			
			Oct	CL	2	288			
			Nov	CL	1	99			
			Dec	CL	4	604			
6B			OTB	Sep	CL	1			104
	Nov	CL		1	103	1	25		
BSB	5Zw	OTB	Jul	CL	1	95	1	25	
			Dec	CL	2	315	2	75	
	6A	OTB	Mar	CL	4	490	-	-	
			Dec	CL	1	179	-	-	
		FPO	May	CL	1	100	-	-	
			Jun	CL	1	100	-	-	
			Jul	CL	1	100	-	-	
			Sep	CL	1	100	-	-	
			Oct	CL	1	100	-	-	
			6B	OTB	Feb	CL	3	532	2
Mar	CL	2	240						
Apr	CL	2	208						
FPN	Jun	CL	1	206	-	-			
FPO	Jun	CL	1	80	-	-			
6C	OTB	Mar	CL	2	77	2	42		

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples			
					No.	No. meas.	No.	No. aged		
SQI	5Y	FPN	Jun	CL	1	48	-	-		
	6A	OTB	Dec	CL	1	53	-	-		
	6B	OTB	May	CL	1	137	-	-		
			Jul	CL	1	361	-	-		
			Aug	CL	1	107	-	-		
			Sep	CL	1	56	-	-		
	6C	OTB	May	CL	1	52	-	-		
			Sep	CL	1	52	-	-		
	SQL	5Y	OTB	Jun	CL	1	50	-	-	
		5Z	OTB	Mar	CL	1	59	-	-	
5Zw		OTB	Feb	CL	1	149	-	-		
			May	CL	2	260	-	-		
			Jun	CL	3	295	-	-		
			Jul	CL	2	267	-	-		
			Aug	CL	1	55	-	-		
			Sep	CL	1	50	-	-		
			Oct	CL	2	103	-	-		
			Dec	CL	1	50	-	-		
			5Zw	PTM	Feb	CL	1	58	-	-
6A		OTB	Feb	CL	1	51	-	-		
			Mar	CL	1	50	-	-		
			Jun	CL	2	157	-	-		
			Jul	CL	2	102	-	-		
			Sep	CL	1	52	-	-		
			Oct	CL	1	100	-	-		
			Nov	CL	1	51	-	-		
			Dec	CL	2	108	-	-		
			6B	OTB	Feb	CL	3	152	-	-
Mar		CL			1	106	-	-		
Apr		CL			1	61	-	-		
Aug		CL			1	75	-	-		
SCA		5Y	DRB	Jun	CL	1	407	-	-	
				Jul	CL	1	218	-	-	
				Aug	CL	1	70	-	-	
				Sep	CL	1	397	-	-	
	Dec			CL	1	691	-	-		
	5Z	DRB	Feb	CL	1	733	-	-		
			Mar	CL	1	1761	-	-		
			Apr	CL	1	1607	-	-		
			May	CL	1	972	-	-		
			Jun	CL	1	3055	-	-		
			Jul	CL	1	4231	-	-		
			Aug	CL	1	1472	-	-		
			Sep	CL	1	1304	-	-		
			Oct	CL	1	992	-	-		
			Nov	CL	1	2766	-	-		
			Dec	CL	1	1844	-	-		
			5Zw	DRB	Mar	CL	1	396	-	-
					Jul	CL	1	270	-	-

Table 2. (Continued)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples						
					No.	No. meas.	No.	No. aged					
6A	DRB		Feb	CL	1	630	-	-					
			Mar	CL	1	885							
			May	CL	1	453							
			Jun	CL	1	544							
			Jul	CL	1	258							
			Aug	CL	1	561							
			Sep	CL	1	245							
			Oct	CL	1	721							
			Dec	CL	1	344							
			6B	DRB		Feb			CL	1	167	-	-
						May			CL	1	769		
						Jun			CL	1	1385		
Jul	CL	1				369							
Aug	CL	1				424							
Sep	CL	1				2644							
Oct	CL	1				1356							
Nov	CL	1				323							
Dec	CL	1				452							