

Northwest Atlantic



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Preliminary List of Sampling Data, 1984

by

NAFO Secretariat

Further to the information contained in SCS Doc. 85/18 (Provisional Lists of Sampling Data, 1979-83) this report is a preliminary list of sampling data available to date for 1984.

Summaries of national length-frequency data by species and division, as reported by various countries (or country components) for 1984 are given in Table 1. Table 2 contains, for each country, the numbers of fish measured and aged by species, division, gear type and month.

The lists include both nationally-reported data and data collected through the Scientific Observer Program, as indicated in the country headings. The Secretariat files contain all data in the lists except Canada (M), for which lists only are available.

The lists should be checked thoroughly by Scientific Council representatives with a view toward identifying outstanding data. This is particularly evident in the case of lacking age-length keys for much of the length-frequency data.

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Table 1. Summary of sampling data by country, species and division for 1984.

Year	Country	Species	Division
1984	Canada (M) ¹	Cod	2H,2J,3K,3L,3N,3O,3Ps,4R,4S,4T,4Vn,4Vs,4W,4X
		Haddock	3L,3O,3Ps,4R,4Vn,4Vs,4W,4X,5Ze
		Redfish	2H,2J,3L,3N,3O,3Pn,3Ps,4R,4S,4Vn,4Vs,4W,4X
		Silver hake	4Vs,4W
		Red hake	4R,4W
		Pollock	3L,3Ps,4R,4Vn,4Vs,4W,4X,5Ze
		A. plaice	2H,3K,3L,3N,3Ps,4Vn,4Vs,4W,4X
		Witch flounder	3K,3N,3O,3Pn,3Ps,4R,4Vn,4Vs,4W,4X
		Yellowtail flo.	3K,3L,3N,3Ps,4Vs,4W,4X
		G. halibut	2H,3K,3L,4R
		A. halibut	3O,3Ps,4Vs
		Winter flounder	3Ps
		White hake	4R
		Herring	4W
		Mackerel	4W
		Argentine	3O,4Vs,4W
		Squid- <i>Illex</i>	3O,3Ps,4R,4S,4Vs,4W
		Shrimp	2H,2J,4Vs,4W
	Cuba ¹	Cod	4W
		Haddock	4W,4X
		Redfish	4W
		Silver hake	4W,4X
		Red hake	4W
		Pollock	4W
		A. plaice	4W
		Witch flounder	4W
		Yellowtail flo.	4W
		Cusk	4W
		White hake	4W
		Mackerel	4W
		Argentine	4W,4X
		Squid- <i>Illex</i>	4W,4X
	France (M) ¹	Cod	4R,4Vn
		Haddock	4R,4Vn
		Redfish	4R,4Vn
		Silver hake	4R
		Pollock	4R,4Vn
		A. plaice	4R
		Witch flounder	3O,4Vn,4Vs,4W
		G. halibut	4R
		Squid- <i>Illex</i>	4R
	France (SP) ¹	Cod	3Ps,4R,4Vn
		Haddock	3Ps,4R,4Vn
		Redfish	3Ps,4R
		Pollock	3Ps,4R,4Vn
		A. plaice	3Ps,4Vn
	GDR ¹	Haddock	4W
		Redfish	4W
		Silver hake	4W
		Pollock	4W
		Squid- <i>Illex</i>	4W
	Japan ¹	Cod	3O,4Vn,4Vs,4W
		Haddock	3O,4Vs,4W
		Redfish	3O,3Ps,4Vn,4Vs,4W
		Silver hake	3O,4Vn,4Vs,4W
		Red hake	4Vn
		Pollock	3O,4Vn,4Vs,4W
		A. plaice	4Vn
		Yellowtail flo.	4W
		G. halibut	4Vn,4Vs
		White hake	4Vn,4Vs
		Argentine	3O,3Ps,4Vn,4Vs,4X

Year	Country	Species	Division
1984	Portugal ¹	Cod	3N,4Vs,4W
		Haddock	30,4Vs,4W
		Redfish	3N,30,4Vs,4W
		Silver hake	4Vs,4W
		Red hake	4W
		Pollock	4Vs,4W
		A. plaice	4Vs,4W
		Witch flounder	4Vs,4W
		Yellowtail flo.	4W
		Cusk	4W
		Argentine	4W
		Squid- <i>Illex</i>	4W
	USSR ¹	Cod	4W,4X
		Haddock	4W,4X
		Redfish	4W
		Silver hake	4W,4X
		Red hake	4W
		Pollock	4W,4X
		A. plaice	4W
		Witch flounder	4W
		Yellowtail flo.	4W
		G. halibut	4W
		Mackerel	4W
		Argentine	4W
		Squid- <i>Illex</i>	4W,4X
	Canada (M) ²	Cod	2J,2J-3K,3K,3KL,30
		Pollock	3Ps
		Redfish, beaked	3K,3P
		A. plaice	3L
		Witch flounder	2J,3K
		Yellowtail flo.	3L
	Canada (N)	Cod	2J,3K,3L,3N,30,3Ps
		Haddock	30,3Ps
		Redfish, beaked	2J,3K,3L,30,3Pn,3Ps
		A. plaice	3K,3L,3N,30,3Ps
		Witch flounder	3K,3L,30,3Ps
		Yellowtail flo.	3L,3N,30
		G. halibut	2H,2J,3K,3L
	Cuba	Silver hake	4W
	France (SP)	Cod	3N0,3Ps,4R,4Vn
		Haddock	3Ps
		Yellowtail flo.	3N0,3Ps
	Portugal	Cod	3M,3N
		Redfish	3M,3N
		Silver hake	4W
	USSR	Silver hake	4W

¹ Data from Scientific Observer Program - Canada (M)

² Data from Scientific Observer Program - Canada (N)

Table 2. List of sampling data reported for 1984.

Canada (M) (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
1984									
COD	4V	OTB	Jan	CL	9	2147	9	367	
			Feb	CL	3	1021	3	91	
			Mar	CL	6	1506	6	117	
			Apr	CL	24	6930	24	224	
			May	CL	6	1973	6	215	
			Jun	CL	7	1949	7	294	
			Jul	CL	3	752	3	110	
			Aug	CL	2	622	2	76	
			Sep	CL	6	2257	6	272	
			Oct	CL	16	5933	16	274	
			Nov	CL	19	6548	19	242	
			Dec	CL	11	4039	11	179	
		PTB	Jul	CL	1	312	1	27	
			SDN	Apr	CL	2	434	2	29
				May	CL	17	4491	17	194
				Jun	CL	4	1123	4	143
				Jul	CL	5	1145	5	126
				Aug	CL	2	424	2	59
		Oct		CL	2	645	2	57	
		Dec	CL	3	860	-	-		
		LL	Feb	CL	1	328	-	-	
			Apr	CL	1	330	-	-	
			May	CL	14	3673	14	448	
			Jun	CL	5	1734	5	328	
			Jul	CL	6	2121	6	353	
			Aug	CL	7	2339	7	352	
			Sep	CL	5	2073	5	331	
			Oct	CL	3	803	3	150	
			Nov	CL	10	2788	10	276	
			Dec	CL	5	1602	5	86	
		LHP	Jul	CL	1	89	1	45	
			Sep	CL	1	164	1	39	
			Oct	CL	1	300	-	-	
		4W	OTB	Apr	CL	1	438	1	50
				May	CL	3	514	-	-
				Jun	CL	1	358	1	39
				Sep	CL	1	193	1	28
				Oct	CL	1	206	1	20
				Nov	CL	3	633	-	-
			PTB	Oct	CL	1	211	1	24
				SDN	Apr	CL	3	592	3
			Oct		CL	2	426	2	27
	Nov		CL		1	204	-	-	
	GN		Jun	CL	1	101	1	41	
			LL	Jan	CL	1	291	1	52
	May			CL	1	253	1	58	
	Jun			CL	2	289	2	99	
	Jul			CL	4	711	4	170	
	Aug			CL	5	1114	5	117	
	Sep			CL	2	314	2	29	

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HAD	4X	OTB	Jan	CL	4	1255	4	222
			Feb	CL	1	270	1	42
			Apr	CL	1	220	1	29
			May	CL	2	521	2	100
			Jun	CL	1	270	-	-
			Jul	CL	5	1285	5	229
			Aug	CL	1	251	-	-
			Sep	CL	7	1617	7	106
			Nov	CL	2	527	2	104
			Dec	CL	1	224	-	-
		GN	Jul	CL	1	56	1	26
			Aug	CL	1	189	-	-
			Sep	CL	1	390	1	45
		LL	Jan	CL	4	1148	4	183
			Feb	CL	3	959	3	146
			Mar	CL	1	169	-	-
			Apr	CL	4	1214	4	172
			May	CL	4	1163	4	169
			Jun	CL	6	1141	6	128
			Jul	CL	1	177	1	51
			Sep	CL	1	155	-	-
			Oct	CL	1	319	1	50
		LHP	Jun	CL	5	840	5	157
			Jul	CL	6	1285	6	216
			Aug	CL	1	342	1	49
	5Z	LL	Jun	CL	1	227	1	51
			Aug	CL	2	596	2	102
			Sep	CL	2	461	2	107
			Oct	CL	2	605	2	125
	5NK	OTB	Apr	CL	1	330	-	-
	4V	OTB	Jan	CL	2	274	2	52
			Feb	CL	1	259	1	21
			Mar	CL	2	372	2	58
			Apr	CL	3	635	3	60
			May	CL	3	631	3	86
			Jun	CL	9	2193	9	37
			Jul	CL	3	614	3	37
			Aug	CL	4	1031	4	33
			Sep	CL	2	413	-	-
			Oct	CL	6	1489	6	34
			Nov	CL	4	738	4	29
			Dec	CL	3	724	-	-
		PTB	Jul	CL	1	208	1	31
		SDN	May	CL	3	464	3	80
			Jul	CL	1	221	-	-
		LL	Jul	CL	1	189	1	25
	4W	OTB	Jan	CL	1	209	1	29
			Mar	CL	2	509	2	54
			Apr	CL	9	2430	9	138
			Jun	CL	1	204	-	-
			Sep	CL	3	671	3	23
			Oct	CL	2	437	2	62
			Nov	CL	2	355	2	23
			Dec	CL	1	191	-	-
		PTB	Sep	CL	1	204	1	20
			Nov	CL	1	204	1	23
		GN	Jun	CL	1	109	1	11
		LL	Jan	CL	1	435	1	24
			Mar	CL	1	391	1	36
			Aug	CL	1	201	1	30
			Sep	CL	1	153	1	26
			Oct	CL	1	166	1	24

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
RED	4X	OTB	Jan	CL	7	1756	7	97
			Feb	CL	6	1615	6	203
			Mar	CL	3	725	3	86
			Apr	CL	1	300	1	30
			May	CL	10	2288	10	262
			Jun	CL	15	3606	15	255
			Jul	CL	3	636	3	90
			Aug	CL	5	1121	5	99
			Sep	CL	9	2104	9	174
			Oct	CL	4	975	4	87
			Nov	CL	2	436	2	28
	5Z	LL	Aug	CL	1	115	-	-
			Jan	CL	4	952	4	132
			Apr	CL	3	741	3	26
			May	CL	6	1031	6	103
			Jun	CL	4	966	4	70
			Jul	CL	3	597	3	70
			Aug	CL	3	632	3	54
			Sep	CL	4	907	4	59
			Oct	CL	3	677	3	97
			Dec	CL	1	312	-	-
POK	4V	OTB	Sep	CL	1	242	1	29
			Oct	CL	2	468	2	55
			Jan	CL	1	201	-	-
			Mar	CL	4	826	-	-
			Apr	CL	1	194	-	-
			May	CL	1	272	-	-
			Jun	CL	1	201	-	-
			Jul	CL	2	404	-	-
			Aug	CL	1	176	-	-
			Nov	CL	1	209	-	-
			Dec	CL	1	206	-	-
	4W	OTB	Apr	CL	1	230	-	-
			Jun	CL	1	284	-	-
			Jul	CL	2	407	-	-
			Sep	CL	1	230	-	-
			Oct	CL	1	196	-	-
			May	CL	5	1198	-	-
			Jun	CL	2	493	-	-
			Jul	CL	3	668	-	-
			Sep	CL	1	217	-	-
			Oct	CL	1	276	-	-
POK	4V	OTB	Jan	CL	1	160	1	29
			Mar	CL	3	719	3	88
			Apr	CL	3	650	3	72
			May	CL	2	485	2	54
			Jun	CL	7	1531	7	150
			Jul	CL	3	531	3	72
			Aug	CL	3	633	3	69
			Sep	CL	2	498	2	68
			Oct	CL	7	1653	7	204
			Nov	CL	1	150	1	25
			Dec	CL	3	783	3	90
	4W	OTB	Jan	CL	1	341	1	39
			Mar	CL	3	674	3	79
			Apr	CL	4	1256	4	107
			Sep	CL	1	204	1	28
			Oct	CL	2	350	2	46
			Nov	CL	4	852	4	122
			Dec	CL	2	442	2	61
			Aug	CL	2	362	2	37

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
PLA	4X	LL	Jul	CL	1	221	1	27	
			Aug	CL	2	395	2	63	
		OTB	Jan	CL	1	250	1	39	
			Feb	CL	1	169	1	32	
			Mar	CL	8	2013	8	253	
			Apr	CL	5	1111	5	153	
			May	CL	6	1431	6	169	
			Jun	CL	1	304	1	34	
			Jul	CL	3	553	3	79	
			Sep	CL	2	482	2	49	
			Oct	CL	7	1232	7	172	
			Nov	CL	1	162	1	23	
			Dec	CL	1	183	1	26	
		GN	Aug	CL	2	516	2	61	
			Sep	CL	3	527	3	55	
		LHP	Jun	CL	2	400	2	56	
			Jul	CL	1	213	1	29	
			Aug	CL	1	228	1	19	
	5Z	OTB	Jun	CL	1	320	1	41	
			4V	Jan	CL	2	402	2	89
		Feb		CL	2	368	2	70	
		Mar		CL	2	429	2	66	
		Apr		CL	6	1267	6	220	
		May		CL	1	211	1	32	
		Jun		CL	2	375	2	72	
		Oct		CL	1	261	1	39	
		SDN		Nov	CL	1	253	1	45
			LL	Jul	CL	2	375	2	69
	Aug	CL		1	157	1	24		
	4W	SDN	Apr	CL	1	212	1	26	
4V			Jan	CL	2	419	-	-	
		Mar	CL	3	568	-	-		
		SDN	Jul	CL	1	197	-	-	
			Aug	CL	1	200	-	-	
			Oct	CL	1	213	-	-	
		4X	OTB	May	CL	1	320	1	38
				4V	Jan	CL	1	203	-
		Feb	CL		1	147	-	-	
Mar		CL	3		609	-	-		
Apr	CL	6	1223		-	-			
May	CL	1	292		-	-			
Jun	CL	1	192		-	-			
Jul	CL	1	275		-	-			
Aug	CL	1	174		-	-			
4X	OTB	Feb	CL	1	200	-	-		
		4X	OTB	Apr	CL	1	260	1	35
Jul	CL			1	200	1	33		
Aug	CL			5	1045	5	169		
Sep	CL			5	1131	5	175		
CUSK	4X	LL	Sep	CL	1	170	-	-	
		5Z	LL	Aug	CL	1	165	-	-

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	2H	OTB	Oct	CC	2	18	-	-
	2J	OTB	Mar	CC	7	897	-	-
			Nov	CC	2	111	-	-
	3K	OTB	Feb	CC	4	667	-	-
			Mar	CC	4	611	-	-
			Apr	CC	5	1078	-	-
			May	CC	1	225	-	-
			Jun	CC	7	756	-	-
	3L	OTB	Jan	CC	2	104	-	-
			Feb	CC	2	233	-	-
			Mar	CC	1	192	-	-
			Nov	CC	2	130	-	-
			Dec	CC	13	1412	-	-
	3N	OTB	Dec	CC	4	11	-	-
	3O	OTB	Feb	CC	3	99	-	-
			Oct	CC	1	64	-	-
			Nov	CC	2	212	-	-
	3Ps	OTB	Mar	CC	1	11	-	-
			Oct	CC	1	32	-	-
			Nov	CC	5	572	-	-
			Dec	CC	7	893	-	-
	4R	OTB	Feb	CC	23	3659	-	-
			Mar	CC	2	101	-	-
			Jun	CC	2	44	-	-
			Sep	CC	4	66	-	-
			Oct	CC	2	219	-	-
	4S	OTB	Aug	CC	1	6	-	-
			Sep	CC	1	27	-	-
			Dec	CC	6	583	-	-
	4T	OTB	Jan	CC	2	389	-	-
	4Vn	OTB	Jan	CC	13	3639	-	-
			Feb	CC	23	2879	-	-
			Mar	CC	26	3612	-	-
			Jun	CC	1	191	-	-
			Sep	CC	1	116	-	-
	4Vs	OTB	Jan	CC	23	2622	-	-
			Feb	CC	25	3254	-	-
			Mar	CC	29	5145	-	-
			Apr	CC	16	1920	-	-
			May	CC	14	2084	-	-
			Jun	CC	6	622	-	-
			Jul	CC	7	563	-	-
			Aug	CC	3	339	-	-
			Sep	CC	6	542	-	-
			Oct	CC	31	3310	-	-
			Nov	CC	34	4708	-	-
			Dec	CC	47	6182	-	-
	4W	OTB	Feb	CC	1	114	-	-
			Mar	CC	11	1303	-	-
			Jun	CC	3	234	-	-
			Aug	CC	1	31	-	-
			Sep	CC	8	481	-	-
			Oct	CC	3	245	-	-
	4X	OTB	Nov	CC	1	129	-	-
			Feb	CC	3	148	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HAD	3L	OTB	Jan	CC	1	30	-	-
	30	OTB	Oct	CC	3	501	-	-
			Nov	CC	2	214	-	-
	3Ps	OTB	Sep	CC	1	199	-	-
			Oct	CC	1	151	-	-
			Nov	CC	3	228	-	-
			Dec	CC	1	3	-	-
	4R	OTB	Feb	CC	1	192	-	-
	4Vn	OTB	Jan	CC	2	50	-	-
			Feb	CC	4	373	-	-
			Mar	CC	1	117	-	-
	4Vs	OTB	Feb	CC	4	481	-	-
			Mar	CC	3	362	-	-
			May	CC	1	196	-	-
			Jun	CC	4	439	-	-
			Jul	CC	5	505	-	-
			Sep	CC	1	115	-	-
			Oct	CC	11	949	-	-
			Nov	CC	7	564	-	-
			Dec	CC	9	614	-	-
	4W	OTB	Feb	CC	3	365	-	-
			Mar	CC	15	2502	-	-
			Apr	CC	6	513	-	-
			Jun	CC	5	399	-	-
			Jul	CC	1	109	-	-
			Sep	CC	4	410	-	-
			Oct	CC	2	139	-	-
			Dec	CC	1	83	-	-
	4X	OTB	Jan	CC	2	132	-	-
			Feb	CC	16	1311	-	-
			Mar	CC	1	154	-	-
			Nov	CC	1	14	-	-
	5Ze	OTB	Feb	CC	2	31	-	-
RED	2H	OTB	Oct	CC	2	424	-	-
	2J	OTB	Mar	CC	2	280	-	-
	3K	OTB	Feb	CC	1	207	-	-
			Mar	CC	1	117	-	-
			Apr	CC	3	693	-	-
			Jun	CC	4	531	-	-
			Sep	CC	3	613	-	-
	3L	OTB	Feb	CC	1	207	-	-
			Apr	CC	1	235	-	-
	30	OTB	Feb	CC	2	493	-	-
			Sep	CC	1	223	-	-
	3Pn	OTB	Jan	CC	4	1016	-	-
			Feb	CC	8	1913	-	-
			Mar	CC	10	1946	-	-
	3Ps	OTB	Feb	CC	7	1351	-	-
			Mar	CC	9	1738	-	-
			Sep	CC	2	425	-	-
	4R	OTB	Jan	CC	1	209	-	-
			Feb	CC	10	1898	-	-
			Jun	CC	16	3155	-	-
			Jul	CC	15	3639	-	-
			Aug	CC	4	553	-	-
			Sep	CC	26	3973	-	-
			Oct	CC	3	422	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HKS	4S	OTB	Jun	CC	2	253	-	-
			Jul	CC	2	413	-	-
			Aug	CC	4	525	-	-
			Sep	CC	4	623	-	-
			Oct	CC	8	1442	-	-
			Dec	CC	5	541	-	-
	4Vn	OTB	Feb	CC	3	218	-	-
			Jun	CC	1	201	-	-
			Sep	CC	2	349	-	-
	4Vs	OTB	Jan	CC	2	182	-	-
			Feb	CC	9	2095	-	-
			Mar	CC	15	2816	-	-
			Oct	CC	2	192	-	-
			Nov	CC	7	492	-	-
			Dec	CC	3	227	-	-
	4W	OTB	Feb	CC	1	211	-	-
			Mar	CC	8	980	-	-
			Jun	CC	1	63	-	-
			Jul	CC	1	133	-	-
			Aug	CC	2	659	-	-
			Sep	CC	7	1017	-	-
			Oct	CC	9	1628	-	-
	4X	OTB	Jan	CC	2	284	-	-
			Mar	CC	1	270	-	-
	4Vs	OTB	Feb	CC	1	1	-	-
			Mar	CC	2	113	-	-
			Nov	CC	6	752	-	-
			Dec	CC	1	90	-	-
	4W	OTB	Jun	CC	2	103	-	-
			Jul	CC	1	116	-	-
			Aug	CC	1	254	-	-
			Sep	CC	2	311	-	-
			Oct	CC	6	676	-	-
HKR	4R	OTB	Feb	CC	1	2	-	-
	4W	OTB	Oct	CC	1	16	-	-
POL	3L	OTB	Jan	CC	1	15	-	-
			Feb	CC	1	137	-	-
			Nov	CC	3	230	-	-
	3Ps	OTB	Dec	CC	1	2	-	-
			Feb	CC	1	1	-	-
			Mar	CC	7	908	-	-
	4Vs	OTB	May	CC	1	9	-	-
			Jul	CC	1	74	-	-
			Oct	CC	13	1202	-	-
	4Vn	OTB	Nov	CC	4	364	-	-
			Dec	CC	6	408	-	-
	4W	OTB	Feb	CC	3	231	-	-
			Mar	CC	13	1298	-	-
			Apr	CC	2	206	-	-
			May	CC	1	97	-	-
			Jun	CC	2	94	-	-
			Jul	CC	2	162	-	-
			Sep	CC	4	317	-	-
			Oct	CC	5	483	-	-
			Nov	CC	4	485	-	-
			Dec	CC	5	721	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
PLA	4X	OTB	Jan	CC	1	198	-	-
			Feb	CC	7	693	-	-
			Mar	CC	10	1318	-	-
			May	CC	1	106	-	-
			Jul	CC	1	115	-	-
			Oct	CC	2	187	-	-
			Nov	CC	3	294	-	-
	5Ze	OTB	Feb	CC	3	268	-	-
	2H	OTB	Oct	CC	1	10	-	-
	3K	OTB	Apr	CC	1	215	-	-
	3L	OTB	Dec	CC	6	862	-	-
	3N	OTB	Feb	CC	1	213	-	-
			Jul	CC	2	197	-	-
			Aug	CC	6	842	-	-
			Nov	CC	4	435	-	-
			Dec	CC	16	2025	-	-
	3Ps	OTB	Mar	CC	1	2	-	-
			Oct	CC	1	84	-	-
			Dec	CC	1	170	-	-
	4Vn	OTB	Jan	CC	2	70	-	-
			Mar	CC	3	541	-	-
	4Vs	OTB	Jan	CC	10	873	-	-
			Feb	CC	5	370	-	-
			Mar	CC	7	755	-	-
			Apr	CC	3	315	-	-
			May	CC	2	206	-	-
			Jun	CC	1	71	-	-
			Jul	CC	1	62	-	-
			Sep	CC	5	357	-	-
			Oct	CC	8	635	-	-
			Nov	CC	5	397	-	-
			Dec	CC	21	2828	-	-
	4W	OTB	Feb	CC	1	30	-	-
			Jun	C	2	92	-	-
			Aug	CC	2	191	-	-
			Sep	CC	2	316	-	-
			Oct	CC	1	91	-	-
WIT	4X	OTB	Feb	CC	1	114	-	-
	3K	OTB	Apr	CC	1	9	-	-
			Jun	CC	2	198	-	-
	3N	OTB	Aug	CC	4	522	-	-
	3O	OTB	Feb	CC	2	140	-	-
			Aug	CC	2	349	-	-
	3Pn	OTB	Mar	CC	1	160	-	-
	3Ps	OTB	Feb	CC	1	85	-	-
			Mar	CC	1	60	-	-
			Nov	CC	1	124	-	-
	4R	OTB	Feb	CC	1	2	-	-
			Aug	CC	1	9	-	-
			Sep	CC	1	12	-	-
	4Vn	OTB	Jun	CC	1	27	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	No.	No. meas.	No.	No. aged
YEL	4Vs	OTB	Jan	CC	2	74	-	-
			Feb	CC	1	218	-	-
			Mar	CC	3	354	-	-
			Jun	CC	1	34	-	-
			Sep	CC	2	43	-	-
			Oct	CC	2	90	-	-
			Nov	CC	1	91	-	-
			Dec	CC	11	1775	-	-
	4W	OTB	Mar	CC	1	53	-	-
			Jun	CC	2	6	-	-
			Aug	CC	1	109	-	-
			Sep	CC	1	2	-	-
			Oct	CC	1	67	-	-
			Nov	CC	1	191	-	-
	4X	OTB	Feb	CC	1	13	-	-
	3K	OTB	Apr	CC	1	17	-	-
	3L	OTB	Dec	CC	1	106	-	-
	3N	OTB	Jul	CC	1	69	-	-
			Dec	CC	6	1198	-	-
	3Ps	OTB	Dec	CC	3	438	-	-
	4Vs	OTB	Jan	CC	1	22	-	-
			Mar	CC	9	1481	-	-
			Apr	CC	5	635	-	-
			May	CC	10	1407	-	-
			Jun	CC	2	193	-	-
			Jul	CC	4	329	-	-
			Oct	CC	13	1012	-	-
			Nov	CC	12	2009	-	-
			Dec	CC	14	1037	-	-
	4W	OTB	Feb	CC	1	64	-	-
			Mar	CC	1	121	-	-
			Jun	CC	1	96	-	-
			Sep	CC	1	99	-	-
GHL	4X	OTB	Feb	CC	1	3	-	-
	2H	OTB	Oct	CC	5	866	-	-
	3K	OTB	Apr	CC	2	335	-	-
	3L	OTB	Dec	CC	2	52	-	-
	4R	OTB	Sep	CC	1	6	-	-
HAL	30	OTB	Sep	CC	1	87	-	-
	3Ps	OTB	Sep	CC	2	153	-	-
FLW	4Vs	OTB	Feb	CC	1	21	-	-
	3Ps	OTB	Nov	CC	1	123	-	-
HKW	4R	OTB	Feb	CC	4	65	-	-
HER	4W	OTB	Feb	CC	1	164	-	-
MAC	4W	OTB	Oct	CC	1	102	-	-
ARG	30	OTB	Feb	CC	1	183	-	-
	4Vs	OTB	Feb	CC	2	187	-	-
			Mar	CC	1	53	-	-
	4W	OTB	Sep	CC	1	20	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
SQI	30	OTB	Feb	CC	2	5	-	-
	3Ps	OTB	Nov	CC	1	1	-	-
	4R	OTB	Sep	CC	1	6	-	-
	4S	OTB	Sep	CC	2	5	-	-
			Oct	CC	2	6	-	-
	4Vs	OTB	Oct	CC	1	1	-	-
			Nov	CC	1	2	-	-
			Dec	CC	1	1	-	-
	4W	OTB	Jun	CC	1	42	-	-
			Sep	CC	1	1	-	-
			Oct	CC	12	53	-	-
			Dec	CC	1	2	-	-
							-	-
PAN	2H	OTB	Oct	CC	22	5899	-	-
			Nov	CC	3	839	-	-
	2J	OTB	Nov	CC	1	363	-	-
	4Vs	OTB	Sep	CC	7	2909	-	-
	4W	OTB	Aug	CC	6	1637	-	-
			Sep	CC	9	2577	-	-
							-	-

CUBA - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	4W	OTB	Apr	CC	1	3	-	-
			May	CC	1	30	-	-
			Jun	CC	5	172	-	-
HAD	4W	OTB	Apr	CC	2	233	-	-
			May	CC	15	2086	-	-
			Jun	CC	23	3079	-	-
			Jul	CC	3	322	-	-
RED	4W	OTB	Jun	CC	1	35	-	-
			Apr	CC	9	880	-	-
			May	CC	10	1820	-	-
HKS	4W	OTB	Jun	CC	4	459	-	-
			Apr	CC	62	21222	-	-
			May	CC	92	23007	-	-
			Jun	CC	77	16894	-	-
			Jul	CC	9	1758	-	-
HKR	4X	OTB	Jun	CC	5	999	-	-
			Apr	CC	5	585	-	-
			May	CC	1	131	-	-
POL	4W	OTB	Jun	CC	2	126	-	-
			Jul	CC	1	218	-	-
			Apr	CC	1	51	-	-
PLA	4W	OTB	May	CC	3	374	-	-
			Jun	CC	5	630	-	-
			May	CC	6	659	-	-
	4W	OTB	Jun	CC	3	194	-	-
			Jul	CC	1	75	-	-

CUBA

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
WIT	4W	OTB	Apr	CC	2	57	-	-
			May	CC	2	40	-	-
			Jun	CC	1	33	-	-
YEL	4W	OTB	May	CC	2	35	-	-
			Jul	CC	2	205	-	-
CUSK	4W	OTB	Jun	CC	1	90	-	-
HKW	4W	OTB	May	CC	2	192	-	-
MAC	4W	OTB	Jun	CC	2	256	-	-
			Jul	CC	1	265	-	-
ARG	4W	OTB	Apr	CC	7	789	-	-
			May	CC	9	1554	-	-
			Jun	CC	3	438	-	-
	4X	OTB	Jun	CC	2	271	-	-
SQI	4W	OTB	Apr	CC	36	329	-	-
			May	CC	17	1508	-	-
			Jun	CC	16	2672	-	-
	4X	OTB	Jun	CC	1	201	-	-

FRANCE (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	4R	OTB	Jan	CC	41	7691	-	-
			Feb	CC	51	9737	-	-
			Mar	CC	10	2259	-	-
	4Vn	OTB	Jan	CC	36	6870	-	-
			Feb	CC	5	875	-	-
			Mar	CC	8	1675	-	-
HAD	4R	OTB	Jan	CC	7	431	-	-
			Feb	CC	10	477	-	-
			Mar	CC	3	503	-	-
	4Vn	OTB	Jan	CC	6	795	-	-
			Feb	CC	1	85	-	-
	RED	4R	OTB	Jan	CC	12	1686	-
Feb				CC	24	3760	-	-
4Vn		OTB	Jan	CC	2	292	-	-
HKS	4R	OTB	Jan	CC	3	5	-	-
			Feb	CC	3	4	-	-
POL	4R	OTB	Jan	CC	2	7	-	-
	4Vn	OTB	Jan	CC	7	514	-	-
Mar			CC	4	846	-	-	
PLA	4R	OTB	Jan	CC	1	36	-	-
			Feb	CC	4	42	-	-
WIT	4R	OTB	Jan	CC	2	97	-	-
			Feb	CC	2	11	-	-
GHL	4R	OTB	Jan	CC	1	5	-	-

FRANCE (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
SQI	4R	OTB	Jan	CC	1	2	-	-
	4Vn	OTB	Jan	CC	2	2	-	-

FRANCE (SP) - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	No.	No. meas.	No.	No. aged	
1984									
COD	3Ps	OTB	Jan	CC	10	1652	-	-	
			Apr	CC	12	2118	-	-	
	4R	OTB	Jan	CC	9	1194	-	-	
			Feb	CC	13	2132	-	-	
			Mar	CC	7	1353	-	-	
			Apr	CC	2	401	-	-	
	4Vn	OTB	Jan	CC	17	2743	-	-	
			Feb	CC	3	635	-	-	
			Mar	CC	8	1691	-	-	
	HAD	3Ps	OTB	Jan	CC	2	337	-	-
				Apr	CC	4	622	-	-
		4R	OTB	Mar	CC	4	61	-	-
Apr				CC	2	81	-	-	
4Vn		OTB	Jan	CC	1	8	-	-	
			Mar	CC	1	16	-	-	
RED	3Ps	OTB	Apr	CC	3	339	-	-	
	4R	OTB	Jan	CC	2	102	-	-	
			Feb	CC	3	187	-	-	
			Apr	CC	1	14	-	-	
POL	3Ps	OTB	Jan	CC	1	98	-	-	
			Apr	CC	1	12	-	-	
	4R	OTB	Mar	CC	3	31	-	-	
			Apr	CC	1	3	-	-	
	4Vn	OTB	Jan	CC	3	103	-	-	
			Mar	CC	1	5	-	-	
PLA	3Ps	OTB	Jan	CC	1	79	-	-	
	4Vn	OTB	Mar	CC	1	22	-	-	

GERMAN DEM. REP. - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
HAD	4W	OTB	May	CC	3	529	-	-
RED	4W	OTB	May	CC	1	91	-	-
HKS	4W	OTB	May	CC	10	2263	-	-
POL	4W	OTB	May	CC	1	21	-	-
SQI	4W	OTB	May	CC	2	34	-	-

JAPAN - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples		
					No.	No. meas.	No.	No. aged	
1984									
COD	30	OTB	Dec	CC	1	20	-	-	
	4Vn	OTB	Oct	CC	2	37	-	-	
			Dec	CC	6	10	-	-	
	4Vs	OTB	Sep	CC	1	170	-	-	
			Oct	CC	6	140	-	-	
			Nov	CC	2	48	-	-	
			Dec	CC	4	25	-	-	
	4W	OTB	Oct	CC	1	42	-	-	
	HAD	30	OTB	Nov	CC	2	60	-	-
			Dec	CC	12	1551	-	-	
4Vs		OTB	Sep	CC	1	227	-	-	
4W		OTB	Aug	CC	5	328	-	-	
			Sep	CC	1	18	-	-	
			Oct	CC	1	4	-	-	
RED		30	OTB	Nov	CC	2	538	-	-
				Dec	CC	27	6200	-	-
		3Ps	OTB	Dec	CC	2	535	-	-
		4Vn	OTB	Sep	CC	17	8430	-	-
	Oct			CC	64	29834	-	-	
	Nov			CC	8	1652	-	-	
	Dec			CC	26	7295	-	-	
	4Vs	OTB	Sep	CC	9	2898	-	-	
			Oct	CC	29	9497	-	-	
			Nov	CC	7	1066	-	-	
Dec			CC	19	3952	-	-		
4W	OTB	Aug	CC	1	42	-	-		
		Oct	CC	1	616	-	-		
HKS	30	OTB	Nov	CC	1	35	-	-	
			Dec	CC	7	1403	-	-	
	4Vn	OTB	Dec	CC	2	783	-	-	
	4Vs	OTB	Oct	CC	1	371	-	-	
			Nov	CC	1	40	-	-	
	4W	OTB	Aug	CC	21	4484	-	-	
			Sep	CC	10	2445	-	-	
			Oct	CC	2	912	-	-	
	4Vn	OTB	Dec	CC	2	163	-	-	
	POL	30	OTB	Dec	CC	1	62	-	-
4Vn		OTB	Oct	CC	1	2	-	-	
			Dec	CC	2	8	-	-	
4Vs		OTB	Sep	CC	1	85	-	-	
			Oct	CC	1	47	-	-	
			Dec	CC	1	1	-	-	
4W		OTB	Oct	CC	1	26	-	-	
PLA		4Vn	OTB	Sep	CC	1	4	-	-
				Oct	CC	4	21	-	-
	Dec			CC	1	3	-	-	

JAPAN

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
WIT	30	OTB	Dec	CC	4	772	-	-
	4Vn	OTB	Sep	CC	6	437	-	-
			Oct	CC	25	2185	-	-
			Dec	CC	4	317	-	-
	4Vs	OTB	Sep	CC	5	500	-	-
YEL	4W	OTB	Oct	CC	4	228	-	-
	4W	OTB	Aug	CC	1	28	-	-
			Sep	CC	1	25	-	-
	4W	OTB	Sep	CC	1	276	-	-
GHL	4Vn	OTB	Oct	CC	2	17	-	-
			Dec	CC	4	72	-	-
	4Vs	OTB	Dec	CC	1	1	-	-
HKW	4Vn	OTB	Dec	CC	2	138	-	-
	4Vs	OTB	Oct	CC	1	4	-	-
			Dec	CC	2	5	-	-
ARG	30	OTB	Dec	CC	1	11	-	-
	3Ps	OTB	Dec	CC	1	66	-	-
	4Vn	OTB	Dec	CC	1	1	-	-
	4Vs	OTB	Sep	CC	2	292	-	-
			Oct	CC	2	19	-	-
			Dec	CC	2	231	-	-
SQI	4X	OTB	Aug	CC	1	121	-	-
	30	OTB	Dec	CC	3	9	-	-
	4Vn	OTB	Oct	CC	4	7	-	-
			Dec	CC	8	10	-	-
	4Vs	OTB	Oct	CC	4	7	-	-
			Dec	CC	3	9	-	-
	4W	OTB	Aug	CC	27	4514	-	-
			Sep	CC	5	1099	-	-

PORTUGAL - SCIENTIFIC OBSERVER PROGRAM - CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	3N	OTB	Jan	CC	3	126	-	-
	4Vs	OTB	Oct	CC	3	673	-	-
			Dec	CC	12	2337	-	-
	4W	OTB	Jun	CC	6	350	-	-
			Jul	CC	1	26	-	-
	HAD	30	OTB	Jan	CC	1	72	-
4Vs		OTB	Dec	CC	6	163	-	-
4W		OTB	Jun	CC	15	2270	-	-
			Jul	CC	3	215	-	-

PORTUGAL

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
RED	3N	OTB	Jan	CC	1	134	-	-
	30	OTB	Jan	CC	1	138	-	-
	4Vs	OTB	Oct Dec	CC	3	480	-	-
				CC	7	478	-	-
	4W	OTB	Jun	CC	3	635	-	-
HKS	4Vs	OTB	Dec	CC	1	142	-	-
	4W	OTB	Jun Jul	CC	63	14801	-	-
				CC	12	2360	-	-
HKR.	4W	OTB	Jun Jul	CC	4	534	-	-
				CC	1	175	-	-
POL	4Vs	OTB	Oct Dec	CC	1	200	-	-
				CC	5	84	-	-
	4W	OTB	Jun	CC	4	422	-	-
PLA	4Vs	OTB	Oct Dec	CC	1	39	-	-
				CC	1	21	-	-
	4W	OTB	Jun Jul	CC	1	108	-	-
				CC	1	123	-	-
WIT	4Vs	OTB	Oct Dec	CC	1	290	-	-
				CC	2	19	-	-
	4W	OTB	Jun	CC	2	75	-	-
YEL	4W	OTB	Jun	CC	5	616	-	-
CUSK	4W	OTB	Jun	CC	1	90	-	-
ARG	4W	OTB	Jun	CC	2	435	-	-
SQI.	4W	OTB	Jun Jul	CC	18	3229	-	-
				CC	1	161	-	-

USSR - SCIENTIFIC OBSERVER PROGRAM.- CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	4W	OTB	May	CC	6	151	-	-
			Jun	CC	10	655	-	-
			Jul	CC	5	233	-	-
	4X	OTB	Jun	CC	2	43	-	-
HAD	4W	OTB	May	CC	30	3497	-	-
			Jun	CC	36	4632	-	-
			Jul	CC	48	5813	-	-
			Aug	CC	7	1134	-	-
	4X	OTB	Jun	CC	3	396	-	-
RED	4W	OTB	May	CC	20	3937	-	-
			Jun	CC	10	1841	-	-
			Jul	CC	15	2738	-	-
			Aug	CC	3	895	-	-

USSR

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HKS	4W	OTB	May	CC	194	44208	-	-
			Jun	CC	182	39858	-	-
			Jul	CC	250	56753	-	-
			Aug	CC	43	10475	-	-
	4X	OTB	Jun	CC	18	3641	-	-
HKR	4W	OTB	May	CC	3	369	-	-
			Jun	CC	3	122	-	-
			Jul	CC	4	430	-	-
POL	4W	OTB	May	CC	5	123	-	-
			Jun	CC	1	12	-	-
			Jul	CC	2	262	-	-
	4X	OTB	Jun	CC	3	423	-	-
PLA	4W	OTB	May	CC	5	318	-	-
			Jun	CC	7	467	-	-
			Jul	CC	12	409	-	-
			Aug	CC	4	218	-	-
WIT	4W	OTB	May	CC	3	27	-	-
			Jun	CC	3	34	-	-
			Jul	CC	10	128	-	-
			Aug	CC	3	89	-	-
YEL	4W	OTB	Jun	CC	5	164	-	-
			Jul	CC	25	3464	-	-
			Aug	CC	6	837	-	-
HAL	4W	OTB	Jun	CC	1	1	-	-
HKW	4W	OTB	May	CC	1	65	-	-
			Jun	CC	1	28	-	-
			Jul	CC	2	258	-	-
MAC	4W	OTB	May	CC	2	497	-	-
			Jun	CC	10	1284	-	-
			Jul	CC	20	3332	-	-
			Aug	CC	8	1635	-	-
ARG	4W	OTB	May	CC	24	4036	-	-
			Jun	CC	3	549	-	-
			Jul	CC	4	315	-	-
			Aug	CC	2	492	-	-
	4X	OTB	Jun	CC	11	1841	-	-
SQI	4W	OTB	May	CC	27	3523	-	-
			Jun	CC	46	7992	-	-
			Jul	CC	59	10500	-	-
			Aug	CC	9	1364	-	-
	4X	OTB	Jun	CC	1	151	-	-

Canada (N) (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples				
					No.	No. meas.	No.	No. aged			
				1984							
COD	2J	OTB	Mar	CL	15	4586	-	400			
			Apr	CL	3	1187	-	225			
			Jul	CL	1	286	-	76			
		GN	Aug	CL	22	3822	-	459 ¹			
			LHP	Aug	CL	15	1287	-	459 ¹		
				FPN	Aug	CL	16	7168	-	459 ¹	
		3K	OTB	Jan	CL	15	5044	-	479		
				Feb	CL	11	3338				
				Mar	CL	1	267				
				Apr	CL	12	3589				
				May	CL	1	279				
				Jun	CL	2	725				
	Oct			CL	2	699					
	GN		Jun	CL	13	2709	-	815 ²			
			Jul	CL	12	2699					
			Aug	CL	9	1170					
			Sep	CL	8	1360					
			Oct	CL	3	763					
	LL		Aug	CL	1	172	-	815 ²			
			Sep	CL	15	4576					
			Oct	CL	4	1449					
	LHP		Jun	CL	3	836	-	815 ²			
			Jul	CL	6	937					
			Aug	CL	23	3959					
		Sep	CL	18	1851						
	FPN	Jun	CL	1	691	-	815 ²				
		Jul	CL	25	7798						
	3L	OTB	Jan	CL	65	21017	-	531			
			Feb	CL	26	8358					
			Mar	CL	35	11476					
			Apr	CL	10	2619					
			May	CL	5	1165					
			Jun	CL	9	2557					
			Jul	CL	10	2429					
			Aug	CL	1	222					
			Nov	CL	4	1769					
			Dec	CL	2	438					
			GN	May	CL	35			8912	-	752 ⁴
				Jun	CL	12			2807		
		Jul		CL	18	3441					
		Aug		CL	7	812					
		Sep		CL	8	1683					
LL		Aug	CL	5	1000	-	1165 ⁵				
		Sep	CL	11	3382						
LHP		Jun	CL	16	3689	-	1165 ⁵				
		Jul	CL	2	263						
		Aug	CL	23	4320						
		Sep	CL	10	1688						
FPN		May	CL	5	1676	-	752 ⁴				
		Jun	CL	17	6640						
		Jul	CL	17	6184						
		Aug	CL	1	393						

CANADA (N)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
HAD	3N	OTB	Apr	CL	1	316	-	378
			May	CL	2	429		
			Jun	CL	1	308		
	30	OTB	Jan	CL	4	919	-	514
			Feb	CL	3	520		
			Mar	CL	10	1711		
			Oct	CL	2	904	-	239
	3Ps	OTB	Feb	CL	3	915	-	227
			Nov	CL	2	1515	-	301
		GN	May	CL	10	3083	-	841 ⁷
			Jun	CL	7	2420	-	725 ⁸
			Jul	CL	2	505		
			Aug	CL	1	290		
		LL	Feb	CL	18	7170	-	426
			Mar	CL	13	6319	-	841 ⁷
			Apr	CL	1	489		
			May	CL	9	2992		
			Jun	CL	6	2272	-	725 ⁸
			Aug	CL	8	3182		
			Sep	CL	12	4481		
			Oct	CL	15	4847	-	979 ⁹
			Nov	CL	9	4879		
		LHP	Aug	CL	6	1092	-	725 ⁸
			Sep	CL	5	670	-	979 ⁹
			Oct	CL	1	332		
		FPN	May	CL	11	2564	-	841 ⁷
			Jun	CL	12	4440	-	725 ⁸
			Jul	CL	7	2521		
	30	OTB	Jan	CL	1	213	-	-
			Mar	CL	2	609		
			Oct	CL	6	4347		
			Nov	CL	2	845		
	3Ps	OTB	Nov	CL	1	286	-	-
REB	2J	OTB	Mar	CL	2	373/463	-	-
	3K	OTB	Jan	CL	3	460/793	-	269/418
			Feb	CL	9	1545/2079		
			Mar	CL	4	487/731		
			Apr	CL	10	1739/1957	-	290/422
			May	CL	3	710/793		
			Jun	CL	1	251/168		
			Sep	CL	1	199/377	-	71/116
			Oct	CL	12	2546/2737	-	283/383
	3L	OTB	Jan	CL	2	369/313	-	219/261
			Feb	CL	1	293/286		
			Apr	CL	1	306/195	-	136/174
			Jun	CL	1	156/359		
			Oct	CL	1	142/118	-	51/58
		GN	Aug	CL	1	59/316	-	-
	30	OTB	May	CL	2	386/457	-	-
	3Pn	OTM	Feb	CL	2	248/532	-	86/115
	3Ps	OTB	May	CL	1	202/220	-	224/308
			Jun	CL	7	1293/1594		

CANADA (N)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
PLA	3K	OTB	Feb	CL	1	52/473	-	27/63
			Apr	CL	1	16/246	-	16/65
		GN	Jun	CL	3	483/824	-	199/320
			Jul	CL	1	114/328		
			Aug	CL	2	111/311		
	3L	OTB	Jan	CL	13	989/3618	-	289/506
			Feb	CL	8	652/2652		
			Mar	CL	16	857/4262		
			Apr	CL	10	1612/2059	-	314/527
			May	CL	8	1197/2099		
			Jun	CL	11	1416/2655		
			Jul	CL	10	1243/2329	-	250/395
			Aug	CL	1	130/256		
			Oct	CL	1	52/261		
			Nov	CL	4	340/776	-	177/332
			Dec	CL	1	37/300		
		GN	May	CL	11	552/3795	-	226/338
			Jun	CL	8	369/2515	-	299/600
			Jul	CL	7	170/1743		
			Aug	CL	5	102/1712		
			Sep	CL	3	71/745	-	50/156
	3N	OTB	Jan	CL	5	589/879	-	299/484
			Feb	CL	1	101/104		
			Mar	CL	4	554/1080		
			Apr	CL	4	560/1071	-	218/419
			May	CL	2	102/510		
			Jun	CL	2	113/451		
			Jul	CL	2	201/339	-	119/196
			Aug	CL	1	154/201		
			Oct	CL	1	225/287		
			Nov	CL	5	704/985	-	244/356
	3O	OTB	Jan	CL	1	223/238	-	299/542
			Feb	CL	7	972/1655		
			Mar	CL	5	572/1117		
			May	CL	1	38/287	-	24/71
	3Ps	OTB	Jan	CL	1	174/218	-	272/433
			Feb	CL	11	1444/2978		
			Mar	CL	1	93/383		
			Jun	CL	1	145/524	-	40/77
			Nov	CL	2	101/869	-	73/169
WIT	3K	OTB	Feb	CL	2	515/191	-	93/103
			May	CL	3	634/649	-	232/309
			Jun	CL	3	604/518		
		GN	Jul	CL	3	193/472	-	98/151
			Sep	CL	1	335/239	-	48/42
	3L	GN	Jun	CL	4	323/794	-	225/334
			Jul	CL	3	292/569		
			Aug	CL	4	473/793		
			Sep	CL	2	271/265	-	85/98
	3O	OTB	Feb	CL	4	551/1023	-	253/324
			Mar	CL	5	840/1137		
	3Ps	OTB	Feb	CL	4	930/850	-	213/252
			Mar	CL	1	252/191		
			Nov	CL	2	406/503	-	84/102
		SDN	Nov	CL	1	233/301	-	42/56

CANADA (N)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
YEL	3L	OTB	Apr	CL	3	547/564	-	159/212
			May	CL	6	1416/1180		
			Jun	CL	2	462/323		
			Jul	CL	5	718/1222		
			Aug	CL	1	145/244		
	3N	OTB	Jan	CL	3	639/748	-	171/230
			Feb	CL	2	502/510		
			Mar	CL	2	488/418		
			Apr	CL	14	3282/3187		
			May	CL	1	272/186		
			Jul	CL	2	214/587		
			Nov	CL	2	397/479		
	3O	OTB	Mar	CL	1	170/139	-	26/38
			Nov	CL	1	147/252		
GHL	2H	OTB	Jul	CL	1	149/179	-	288/424
			Aug	CL	3	279/348		
			Sep	CL	3	501/638		
	2J	OTB	Aug	CL	3	273/388	-	174/238
			Sep	CL	1	161/165		
	3K	OTB	May	CL	2	339/331	-	162/183
			Jun	CL	1	108/157		
			Jul	CL	5	787/927		
	GN		Jun	CL	5	559/940	-	430/528
			Jul	CL	5	786/958		
			Aug	CL	5	677/893		
			Sep	CL	11	1428/2058		
			Oct	CL	1	147/177		
	3L	GN	May	CL	5	719/922	-	172/215
			Jun	CL	5	794/1052		
			Jul	CL	4	608/739		
			Aug	CL	8	1270/1605		
			Sep	CL	5	493/656		

¹ Same key used for GN, LHP and FPN.

² Same key used for GN, LL, LHP and FPN.

³ Same key used for GN, LL and LHP.

⁴ Same key used for GN and FPN.

⁵ Same key used for GN, LL, LHP and FPN.

⁶ Same key used for GN, LL and LHP.

⁷ Same key used for GN, LL and FPN.

⁸ Same key used for GN, LL, LHP and FPN.

⁹ Same key used for LL and LHP.

CANADA (M) - SCIENTIFIC OBSERVER PROGRAM - CANADA (N)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	2J	OTB	Apr	CL	1	229	-	-
	2J-3K	OTB	Mar	CL	2	528	-	-
	3K	OTB	Jan	CL	3	983	-	-
			Feb	CL	7	2460		
			Mar	CL	1	382		
			May	CL	2	729		
	3KL	OTB	Mar	CL	1	265	-	-
			May	CL	1	303	-	-
	3O	OTB	Nov	CL	2	780	-	-

CANADA (M)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
POK	3Ps	OTB	Nov	CL	1	116	-	-
REB	3K	OTB	Mar	CL	1	87/115	-	-
			Apr	CL	3	251/383	-	-
			Sep	CL	2	162/308	-	-
PLA	3P	OTB	Mar	CL	1	34/188	-	-
			May	CL	1	47/90	-	-
			Jun	CL	1	60/110	-	-
WIT	2J	OTB	Sep	CL	1	10/180	-	-
			Sep	CL	1	34/215	-	-
YEL	3L	OTB	May	CL	1	78/123	-	-

Cuba (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
HKS	4W	OTB	Apr	CC	8	1370/1026	-	-
			May	CC	18	3743/2659	-	-

France (SP) (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
1984								
COD	3NO	OTB	Jun	CL	1	234	-	-
	3Ps	OTB	Jan	CL	1	204	-	-
			Apr	CL	1	225	-	-
			May	CL	2	446	-	-
			Jun	CL	1	215	-	-
			Jul	CL	2	499	-	72
			Oct	CL	2	329	-	-
			Nov	CL	2	422	-	159
			Dec	CL	2	416	-	-
	LL	Aug	CL	1	200	-	-	
	LHP		May	CL	1	220	-	-
			Jun	CL	2	446	-	-
			Jul	CL	2	407	-	-
			Aug	CL	3	606	-	145
			Sep	CL	1	191	-	-
	4R	OTB	Jan	CC	4	814	-	-
			Feb	CC	6	1223	-	-
			Feb	CL	1	245	-	-
			Mar	CL	1	251	-	-
	4Vn	OTB	Jan	CL	1	229	-	-
			Feb	CL	1	250	-	-
Mar			CL	1	230	-	-	
HAD	3Ps	OTB	May	CL	1	283	-	-
			Jun	CL	1	272	-	-
			Jul	CL	1	258	-	-
YEL	3NO	OTB	Jun	CL	1	205	-	-
	3Ps	OTB	Oct	CL	1	201	-	-

Portugal (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
<u>1984</u>								
COD	3M	OTB	Apr	CC	2	158	6	267
			May	CC	4	389		
	3N	OTB	Apr	CC	1	76	1	75
RED	3M	OTB	Apr	CC	5	614	-	-
			May	CC	7	983		
	3N	OTB	May	CC	4	567	-	-
HKS	4W	OTB	Jun	CC	43	6233	-	-
			Jul	CC	4	513		

USSR (National)

Species	NAFO Div.	Gear	Month	Type of sample	Length samples		Age samples	
					No.	No. meas.	No.	No. aged
<u>1984</u>								
HKS	4W	OTB	May	CC	100	10954/8399	-	125/91
			Jun	CC	67	5608/7647	-	156/162
			Jul	CC	54	4451/6097	-	108/157
			Aug	CC	17	1241/2260	-	-
			Sep	CC	8	548/1103	-	-

