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Summary of Quantitative Data on the Length and Age Sampling
by Species, Subarea and Country in Relation to the Nominal Catch
in 1964-1966

By: B. J. Kowalewski

The purpose of this paper is to show which species, subareas and countries have been involved in the sampling action in 1964-66.

We don't need to stress the urgent requirements by the ICNAF scientists performing the assessment studies to intensify the sampling works.

This paper is a supplementary one to the ICNAF Sampling Yearbook volumes.

All abbreviations and symbols used in the tables have been taken from ICNAF Statistical Bulletins Vol.15 for 1965 and Vol.16 for 1966.

Summary of Quantitative Data on the Length and Age Sampling
by Species, Subarea, and Country in Relation to the Nominal Catch

1964

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
Cod	1	350	80 915	15 164
	Den (G)	22	21 394	4 593
	Ger	95	14 306	4 818
	Nor	35	1 713	1 713
	UK	27	-	410
	USSR	-	43 502	3 630
	Den (F)	65	-	-
	Fr (M)	35	-	-
	Por	53	-	-
	2	213	125 223	3 973
	Can (N)	16	8 669	-
	Ice	ø	257	257
	Pol	2	3 859	-
	Por	41	8 090	724
	Spa	45	9 286	-
	USSR	57	95 062	2 992
	Fr (M)	37	-	-
	3	581	87 760	1 238
	Can (N)	160	58 033	-
	Ice	1	310	310
	Pol	9	1 587	-
	Por	103	9 795	928
	Spa	117	18 035	-
	Den (F)	21	-	-
	Fr (M)	60	-	-
	USSR	56	-	-
	UK	17	-	-
	4	229	23 618	-
	Can (M)	100	19 806	-
	Can (N)	28	1 926	-
	Spa	55	1 886	-
	Fr (M)	19	-	-
	Por	13	-	-
	USSR	10	-	-
	5	29	8 163	-
	USA	16	8 163	-
	ICNAF	1 402	325 679	20 375
	1	350	80 915	15 164
	2	213	125 223	3 973
	3	581	87 760	1 238
	4	229	23 618	-
	5	29	8 163	-
	Can (M)	112	19 806	-
	Can (N)	204	68 628	-
	Den (G)	22	21 394	4 593
	Ger	101	14 306	4 818
	Ice	3	567	567
	Nor	41	1 713	1 713
	Pol	11	5 446	-
	Por	210	17 885	1 652
	Spa	219	29 207	-
	USSR	129	138 564	6 622
	UK	47	-	410
	USA	17	8 163	-
	Den (F)	87	-	-
	Fr (M)	151	-	-
	Non-m	44	-	-

1964 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
Haddock	3	12	8 219	-
	Can (N)	5	7 361	-
	Pol	-	858	-
	4	60	22 195	1 059
	Can (M)	38	16 304	-
	Pol	-	1 747	-
	USA	9	4 144	1 059
	5	70	25 762	3 301
	Can (M)	12	4 287	-
	Pol	-	989	-
	USA	52	20 486	3 301
	ICNAF	142	56 176	4 360
	3	12	8 219	-
	4	60	22 195	1 059
	5	70	25 762	3 301
	Can (M)	52	20 591	-
	Can (N)	6	7 361	-
	Pol	-	3 594	-
	USA	60	24 630	4 360
	USSR	13	-	-
Redfish	2	27	24 742	965
	Ice	0	775	-
	USSR	9	23 967	965
	3	95	101 482	958
	Ice	2	1 851	-
	Pol	17	5 347	-
	USSR	31	93 287	958
	USA	5	997	-
	Can (N)	15	-	-
	4	53	10 476	-
	Can (M)	16	2 286	-
	Pol	-	2 072	-
	USA	28	6 118	-
	5	8	3 289	-
	USA	8	3 289	-
	ICNAF	213	139 989	1 923
	2	27	24 742	965
	3	95	101 482	958
	4	53	10 476	-
	5	8	3 289	-
Can (M)	17	2 286	-	
Ice	4	2 626	-	
Pol	21	7 419	-	
USSR	44	117 254	1 923	
USA	40	10 404	-	
Ger	32	-	-	
Silver hake	4	81	20 615	791
	USSR	81	20 615	791
	5	220	42 314	3 131
	USSR	167	37 697	3 131
	USA	53	4 617	-
	ICNAF	301	62 929	3 922
	4	81	20 615	791
	5	220	42 314	3 131
	USSR	248	58 312	3 922
	USA	53	4 617	-

1964 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
American plaice	2	∅	351	-
	Ice	-	203	-
	Pol ¹	...	148	-
	3	39	13 402	-
	Can (N)	27	10 914	-
	Pol ¹	...	2 488	-
	4	10	1 024	-
	Can (M)	10	518	-
	Pol ¹	-	506	-
	ICNAF	53	14 777	-
	2	∅	351	-
	3	39	13 402	-
	4	10	1 024	-
	5	4	-	-
	Can (M)	20	518	-
Can (N)	28	10 914	-	
Ice	-	203	-	
Pol ¹	...	3 142	-	
Witch	ICNAF	15	2 136	-
	4	11	2 136	-
	Can (M)	10	2 136	-
Yellowtail	4	5	614	-
	Can (M)	4	614	-
	5	37	12 059	-
	USA	36	12 059	-
	ICNAF	42	12 673	-
	4	5	614	-
	5	37	12 059	-
	Can (M)	5	614	-
	USA	36	12 059	-
	Winter flounder	ICNAF	18	512
4		4	512	-
Can (M)		4	512	-
USA		14	-	-
Pollock	ICNAF	44	825	-
	4	32	825	-
	Can (M)	30	825	-
Cusk	ICNAF	6	193	-
	4	5	193	-
	Can (M)	4	193	-
Herring	ICNAF	302	60 360	2 588
	5	159	60 360	2 588
	Can (M)	∅	58 472	-
	USSR	131	1 888	2 588
	USA	28	-	-

¹ reported within Flounders (not spec.)

1964 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
<u>All species</u>	<u>ICNAF</u>	<u>2 952</u>	<u>676 249</u>	<u>33 168</u>
Cod		1 402	325 679	20 375
Haddock		142	56 176	4 360
Redfish		213	139 989	1 923
Silver hake		301	62 929	3 922
American plaice		53	14 777	-
Witch		15	2 136	-
Yellowtail		42	12 673	-
Winter flounder		18	512	-
Pollock		44	825	-
Cusk		6	193	-
Herring		302	60 360	2 588
Other		414	-	-
	Can (M)	535	105 953	-
	Can (N)	292	86 903	-
	Den (G)	37	21 394	4 593
	Ger	149	14 306	4 818
	Ice	8	3 396	567
	Nor	50	1 713	1 713
	Pol	38	19 601	-
	Por	210	17 885	1 652
	Spa	230	29 207	-
	USSR	617	316 018	15 055
	UK	52	-	410
	USA	388	59 873	4 360
	Den (F)	90	-	-
	Fr (M)	151	-	-
	Fr (S.P.)	9	-	-
	Non-m	96	-	-
	1	413	80 915	15 164
	2	251	150 316	4 938
	3	784	210 863	2 196
	4	740	82 208	1 850
	5	756	151 947	9 020
	NK	8	-	-

1965

Cod	1	359	60 434	12 362
	Den (G)	24	9 888	5 867
	Ger	105	27 469	3 879
	Ice	4	599	599
	Nor	32	1 717	1 717
	USSR	1	11 830	300
	UK	14	8 931	-
	Den (F)	66	-	-
	Fr (M)	40	-	-
	Por	61	-	-
	2	333	195 027	1 408
	Can (N)	26	11 389	-
	Por	73	8 700	808
	USSR	54	168 159	600
UK	11	6 779	-	
Fr (M)	26	-	-	
Ger	39	-	-	
Pol	12	-	-	
Spa	59	-	-	
3	498	173 601	4 333	
Can (N)	132	88 754	-	
Pol	8	25 753	3 022	
Por	49	7 825	1 311	
USSR	70	23 533	-	
UK	27	27 736	-	
Den (F)	14	-	-	
Fr (M)	51	-	-	
Spa	122	-	-	

1965 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
Cod	4	225	36 611	1 441
	Can (M)	110	21 706	-
	Can (N)	32	6 215	-
	Pol	∅	8 345	1 389
	Por	15	100	52
	UK	∅	245	-
	Fr (M)	13	-	-
	Spa	43	-	-
	5	42	8 618	-
	Can (M)	11	1 754	-
	USA	15	6 864	-
	USSR	14	-	-
	ICNAF	1 463	474 291	19 544
	1	359	60 434	12 362
	2	333	195 027	1 408
	3	498	173 601	4 333
	4	225	36 611	1 441
	5	42	8 618	-
	NK	6	-	-
	Can (M)	124	23 460	-
	Can (N)	190	106 358	-
	Den (G)	24	9 888	5 867
	Ger	152	27 469	3 879
	Ice	6	599	599
	Nor	40	1 717	1 717
	Pol	22	34 098	4 411
	Por	197	16 625	2 171
	USSR	149	203 522	900
	UK	52	43 691	-
	USA	16	6 864	-
	Den (F)	80	-	-
	Fr (M)	130	-	-
	Spa	225	-	-
Haddock	3	9	3 936	-
	Can (N)	3	3 936	-
	4	85	32 370	2 410
	Can (M)	32	15 706	-
	Can (N)	1	414	-
	Pol	-	12 905	735
	USA	4	3 345	1 675
	USSR	45	-	-
	5	155	44 221	4 585
	Can (M)	15	6 522	-
	Pol	∅	14 701	800
	USA	57	22 998	3 785
	USSR	82	-	-
	ICNAF	249	80 527	6 995
	3	9	3 936	-
	4	85	32 370	2 410
	5	155	44 221	4 585
	Can (M)	47	22 228	-
	Can (N)	3	4 350	-
	Pol	∅	27 606	1 535
	USA	61	26 343	5 460
USSR	129	-	-	
Redfish	2	24	25 579	857
	USSR	6	25 579	857

1965 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling		
			Length	Age	
Redfish	3	112	44 631	940	
	Can (N)	20	5 927	-	
	Pol	16	8 811	-	
	USSR	54	29 793	940	
	USA	1	100	-	
	4	68	15 426	-	
	Can (M)	28	3 173	-	
	Can (N)	9	1 538	-	
	Pol	-	4 315	-	
	USA	30	6 400	-	
	5	8	2 600	-	
	USA	7	2 600	-	
	ICNAF	231	88 236	1 797	
	2	24	25 579	857	
	3	112	44 631	940	
	4	68	15 426	-	
	5	8	2 600	-	
	Can (M)	29	3 173	-	
	Can (N)	29	7 465	-	
	Pol	25	13 126	-	
	USSR	63	55 372	1 797	
	USA	38	9 100	-	
	Ger	21	-	-	
Silver hake	4	50	20 498	610	
	USSR	50	20 498	610	
	5	323	63 601	2 175	
	USSR	281	63 601	2 175	
	USA	42	-	-	
	ICNAF	373	84 099	2 785	
	4	50	20 498	610	
	5	323	63 601	2 175	
	USSR	331	84 099	2 785	
	USA	42	-	-	
	American plaice	3	50	22 728	553
		Can (N)	38	16 573	-
Pol		... ¹	6 155	553	
Can (M)		10	-	-	
4		15	761	-	
Can (M)		13	761	-	
ICNAF		68	23 489	553	
3		50	22 728	553	
4		15	761	-	
Can (M)		23	761	-	
Can (N)		39	16 573	-	
Pol		... ¹	6 155	553	
Witch		3	2	957	-
	Pol	... ¹	957	-	
	4	11	2 157	-	
Can (M)	9	2 157	-		

¹ reported within Flounders (not spec.)

1965 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling		
			Length	Age	
Witch	ICNAF	15	3 114	-	
	3	2	957	-	
	4	11	2 157	-	
	Can (M)	10	2 157	-	
	Pol	... ¹	957	-	
Yellowtail	3	3	4 690	-	
	Can (N)	2	3 374	-	
	Pol	... ¹	1 316	-	
	4	5	3 609	-	
	Can (M)	5	400	-	
	Pol	... ¹	3 209	-	
	ICNAF	46	8 299	-	
	3	3	4 690	-	
	4	5	3 609	-	
	Can (M)	6	400	-	
	Can (N)	3	3 374	-	
	Pol	... ¹	4 525	-	
	USA	37	-	-	
	Winter flounder	ICNAF	16	733	-
		4	5	733	-
Can (M)		5	733	-	
USA		11	-	-	
Pollock	ICNAF	38	1 252	-	
	4	28	1 252	-	
	Can (M)	27	1 252	-	
White hake	ICNAF	88	942	-	
	4	15	942	-	
	Can (M)	7	942	-	
	USSR	68	-	-	
	USA	13	-	-	
<u>All species</u>	ICNAF	3 199	764 982	31 674	
Cod		1 463	474 291	19 544	
Haddock		249	80 527	6 995	
Redfish		231	88 236	1 797	
Silver hake		373	84 099	2 785	
American plaice		68	23 489	553	
Witch		15	3 114	-	
Yellowtail		46	8 299	-	
Winter flounder		16	733	-	
Pollock		38	1 252	-	
White hake		88	942	-	
Other		612	-	-	
	Can (M)	555	55 106	-	
	Can (N)	306	138 120	-	
	Den (G)	40	9 888	5 867	
	Ger	181	27 469	3 879	
	Ice	9	599	599	
	Nor	44	1 717	1 717	
	Pol	57	86 467	6 499	
	Por	197	16 625	2 171	
	USSR	853	342 993	5 482	
	UK	56	43 691	-	
	USA	350	42 307	5 460	
	Den (F)	81	-	-	
	Fr (M)	130	-	-	
	Fr (S.P.)	10	-	-	
	Spa	234	-	-	
	Non-m	96	-	-	

¹ reported within Flounders (not spec.)

1965 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
<u>All Species</u>	1	404	60 434	12 362
	2	377	220 606	2 265
	3	740	227 815	5 273
	4	777	136 326	5 014
	5	890	119 801	6 760
	NK	11	-	-

1966

Cod				
	1	366	56 220	11 746
	Den (G)	29	14 577	4 583
	Ger	82	23 349	4 591
	Ice	2	390	390
	Nor	39	2 182	2 182
	UK	19	15 722	-
	Den (F)	65	-	-
	Fr (M)	41	-	-
	Por	75	-	-
	2	338	129 373	4 332
	Can (N)	24	11 734	-
	Fr (M)	31	10 121	-
	Pol	30	7 578	-
	Por	46	5 178	1 932
	USSR	32	94 762	2 400
	Ger	63	-	-
	Spa	49	-	-
	UK	11	-	-
	3	499	143 838	1 809
	Can (N)	136	81 388	-
	Fr (M)	54	7 534	-
	Pol	6	5 681	-
	Por	70	10 102	1 809
	USSR	49	2 123	-
	UK	25	37 010	-
	Den (F)	15	-	-
	Spa	124	-	-
	4	215	31 212	-
	Can (M)	101	18 580	-
	Can (N)	27	12 369	-
	UK	6	263	-
	Fr (M)	15	-	-
	Por	11	-	-
	Spa	47	-	-
	UK	11	-	-
	5	57	3 880	-
	Can (M)	16	1 493	-
	USA	17	2 387	-
	ICNAF	1 477	364 523	17 887
	1	366	56 220	11 746
	2	338	129 373	4 332
	3	499	143 838	1 809
	4	215	31 212	-
	5	57	3 880	-

1966 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling		
			Length	Age	
Cod	Can (M)	120	20 073	-	
	Can (N)	188	105 491	-	
	Den (G)	29	14 577	4 583	
	Fr (M)	141	17 655	-	
	Ger	154	23 349	4 591	
	Ice	4	390	390	
	Nor	42	2 182	2 182	
	Pol	37	13 259	-	
	Por	202	15 280	3 741	
	USSR	110	96 885	2 400	
	UK	55	52 995	-	
	USA	17	2 387	-	
	Den (F)	79	-	-	
	Spa	232	-	-	
Haddock	3	9	2 081	-	
	Can (N)	1	2 081	-	
	4	66	32 686	993	
	Can (M)	39	16 244	-	
	Can (N)	1	677	-	
	USSR	21	15 765	993	
	5	127	36 243	4 950	
	Can (M)	19	3 623	-	
	USSR	48	10 585	1 088	
	USA	57	22 035	3 862	
	ICNAF	203	71 010	5 943	
	3	10	2 081	-	
	4	66	32 686	993	
	5	127	36 243	4 950	
	Can (M)	59	19 867	-	
	Can (N)	2	2 758	-	
	USSR	73	26 350	2 081	
	USA	60	22 035	3 862	
	Redfish	1	17	6 410	-
		Den (G)	ø	6 410	-
Ger		14	-	-	
2		14	23 560	1 569	
Pol		1	1 831	-	
USSR		2	21 729	1 569	
3		79	23 946	236	
Can (M)		2	580	-	
Can (N)		17	2 283	-	
Pol		14	11 138	-	
USSR		31	9 845	236	
USA		ø	100	-	
4		106	85 558	-	
Can (M)		45	4 151	-	
Can (N)		17	2 407	-	
USA		29	79 000	-	
USSR		14	-	-	
5		9	10 000	-	
USA		7	10 000	-	

1966 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling		
			Length	Age	
Redfish	ICNAF	225	149 474	1 805	
	1	17	6 410	-	
	2	14	23 560	1 569	
	3	79	23 946	236	
	4	106	85 558	-	
	5	9	10 000	-	
	Can (M)	48	4 731	-	
	Can (N)	35	4 690	-	
	Den (G)	∅	6 410	-	
	Pol	15	12 969	-	
	USSR	49	31 574	1 805	
	USA	37	89 100	-	
	Ger	17	-	-	
Silver hake	4	10	7 991	1 185	
	USSR	10	7 991	1 185	
	5	162	35 200	2 730	
	USSR	121	35 200	2 730	
	USA	41	-	-	
	ICNAF	172	43 191	3 915	
	4	10	7 991	1 185	
	5	162	35 200	2 730	
	USSR	131	43 191	3 915	
	USA	41	-	-	
	American plaice	1	-	1 110	-
		Pol	... ¹	1 110	-
		2	∅	3 543	-
Pol		... ¹	3 543	-	
3		56	21 587	-	
Can (N)		42	17 958	-	
Pol		... ¹	3 629	-	
Can (M)		12	-	-	
4		19	890	-	
Can (M)		18	890	-	
ICNAF		79	27 130	-	
1		-	1 110	-	
2		∅	3 543	-	
3		56	21 587	-	
4		19	890	-	
Can (M)		30	890	-	
Can (N)		43	17 958	-	
Pol	... ¹	8 282	-		
Greenland halibut	2	1	999	-	
	Pol	∅	999	-	
	3	17	1 455	-	
	Pol	1	1 455	-	
	Can (N)	16	-	-	
	ICNAF	21	2 454	-	
	2	1	999	-	
	3	17	1 455	-	
	Pol	1	2 454	-	
	Can (N)	16	-	-	

¹ reported within Flounders (not spec.)

1966 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
Witch	3	6	1 435	-
	Can (N)	4	222	-
	Pol	... ¹	1 213	-
	4	10	1 336	-
	Can (M)	8	1 336	-
	ICNAF	19	2 771	-
	3	6	1 435	-
	4	10	1 336	-
	Can (M)	9	1 336	-
	Can (N)	6	222	-
Pol	... ¹	1 213	-	
Yellowtail	3	4	2 495	-
	Can (N)	2	2 009	-
	Pol	... ¹	486	-
	4	4	700	-
	Can (M)	4	700	-
	ICNAF	39	3 195	-
	3	4	2 495	-
	4	4	700	-
	Can (M)	6	700	-
	Can (N)	2	2 009	-
	Pol	... ¹	486	-
	USA	31	-	-
Winter flounder	ICNAF	18	809	-
	4	3	809	-
	Can (M)	3	809	-
	USA	15	-	-
Pollock	ICNAF	36	375	-
	4	25	375	-
	Can (M)	18	375	-
	USSR	11	-	-
White hake	ICNAF	10	1 623	-
	4	9	1 623	-
	Can (M)	9	1 623	-
<u>All Species</u>	ICNAF	3 189	666 555	29 550
Cod		1 477	364 523	17 887
Haddock		203	71 010	5 943
Redfish		225	149 474	1 805
Silver hake		172	43 191	3 915
American plaice		79	27 130	-
Greenland halibut		21	2 454	-
Witch		19	2 771	-
Yellowtail		31	3 195	-
Winter flounder		18	809	-
Pollock		36	375	-
White hake		10	1 623	-
Other		898	-	-

¹ reported within Flounders (not spec.)

1966 (continued)

Species	Subarea or Country	Catch in Thousands of Tons	Number of Sampling	
			Length	Age
<u>All Species</u>	Can (M)	638	50 404	-
	Can (N)	336	133 128	-
	Den (G)	43	20 987	4 583
	Fr (M)	141	17 655	-
	Ger	178	23 349	4 591
	Ice	7	390	390
	Nor	42	2 182	2 182
	Pol	72	38 663	-
	Por	202	15 280	3 741
	USSR	710	198 000	10 201
	UK	60	52 995	-
	USA	329	113 522	3 862
	Den (F)	81	-	-
	Fr (S.P.)	11	-	-
	Spa	241	-	-
	Non-m	98	-	-
	1	404	63 740	11 746
	2	366	157 475	5 901
	3	748	196 837	2 045
	4	802	163 180	2 178
	5	867	85 323	7 680
	NK	2	-	-

Summary of Sampling Quantitative Data in 1964 to 1966 by Subarea

Subarea	in thousands					
	L E N G T H			A G E		
	1964	1965	1966	1964	1965	1966
ICNAF	676	765	666	33	32	30
1	81	60	64	15	13	12
2	150	221	157	5	2	6
3	211	228	197	2	5	2
4	82	136	163	2	5	2
5	152	120	85	9	7	8

Office of Commission
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