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No. 37, November 1973

**Species of waterfowl and age and sex ratios of ducks harvested in Canada during the 1972 season**  
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**Introduction**

The Canadian Wildlife Service conducts two national surveys of the annual migratory game bird harvest. The first survey determines the overall harvest of major species groups and is described in Progress Note 34. That report also gives the national sale of permits. The data of the second major survey, the species composition survey, are contained in this report.

The species composition survey determines the age and sex composition of the harvest of each individual species within three broad species groups, sport ducks, seaducks and geese. The initial material is based on known characteristics of duck wings and goose tails collected from a stratified sample of hunters.

**Method**

Hunters are sampled by substratum, i.e. geographic zones, and results of this sampling expanded according to the estimated harvest for all members of each species group within each substratum. In the past, calculations were based simply on the number of wings for a given species, divided by the total number of wings from that species group, multiplied by the total harvest of that species group as indicated by the harvest survey. However, hunters seem to use all their wing envelopes early in the season; therefore, the indicated kill in the species composition survey is much higher at the beginning and much lower at the end of the season than the harvest at the beginning and end of the season as calculated from the harvest survey. This bias has caused the estimated kill of birds shot early in the season (e.g. Teal and Wood Ducks) to be greatly inflated and the estimated harvest of birds shot late in the season (diving ducks) to be underestimated.

A procedure has now been adopted to alleviate this discrepancy at least for the sport duck composition. Next year we hope to expand the adjustment to include geese and seaducks. The age and sex ratios should also be adjusted.

Under the new procedures used for sport ducks, the species composition and harvest are calculated by seven-day periods surrounding each weekend in the open season. Where the harvest for one of these periods is less than five per cent of the total seasonal harvest, periods are combined until the data add up to at least five per cent. The individual species ratios of a given time period, weighted by the harvest for that period as estimated by the harvest survey, are summed to give a total adjusted species harvest for the

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whole season. This adjustment can change the estimated harvest of some well-sampled species by as much as 50 per cent. The adjusted species harvests dating back to 1969 for each province are presented in Table 2. The last column in this table gives the size of the sample on which the 1972 data are based.

**Results**

Table 1 contains the national totals for each species and indicates no great changes in the total harvest of any species in 1972 compared to 1971. Nevertheless, there were a few noteworthy changes within some provinces as follows:

- (1) The Black Duck harvest decreased in the Maritimes and Quebec but stayed steady in Ontario.
- (2) The Green-winged Teal harvest decreased in Nova Scotia, New Brunswick, Quebec, Ontario and the prairies, with only a slight increase in the other provinces.
- (3) The kill of Mallards increased east of Saskatchewan but decreased in Saskatchewan itself and Alberta.
- (4) The Canvasback harvest dropped markedly in Alberta but only slightly in southern Ontario.
- (5) The kill of Goldeneye doubled in New Brunswick, increased markedly in Ontario and Quebec and tripled in Alberta, where it is only a minor species.
- (6) The kill of Greater Scaup and Bufflehead increased in Ontario.
- (7) The kill of Pintail dropped in Saskatchewan and Alberta.

The decline in the Black Duck harvest reflects, in part, its poor reproductive potential caused by a delayed spring in the Maritimes. This harvest should decline even further in 1973 in Prince Edward Island where there is a shorter season on Black Duck that opens two weeks late. The danger of over-harvesting this species in the Atlantic region may be receding if this year's decline in permit sales represents a plateau in the hunter population of the area.

The large decrease in the harvest of Green-winged Teal reflects the adverse effects of a late spring in the east and a sudden cold front that moved across the prairies in the middle of the hunting season. This same cold front may have contributed to the recorded decrease in the Mallard harvest in Saskatchewan.

The increase in the Mallard harvest east of Saskatchewan is thought to be one more indication of the eastward movement of this bird. The percentage for Mallards of the total harvest has increased steadily since 1969 in substratum 01 of Quebec.

The slight decline in the Canvasback harvest in southern Ontario is expected to be enhanced in 1973 as further restrictions are placed on the shooting of this species. The increase in the kill of this bird in the northern substrata is based on a very small sample and probably does not reflect any real change in the harvest.

The increased harvest of Goldeneye has been viewed with some alarm since this is a slow breeding species whose biology has not been thoroughly investigated. It is no longer

a bonus species in the 1973 regulations. Biologists are also monitoring the rise in the harvest of other diving ducks, particularly in Ontario where the kill of Greater Scaup and Bufflehead has increased markedly.

The goose kill shown in Tables 3 and 4 is unadjusted since information on dates of kill is not collected for geese on the harvest questionnaire. A request for this information will be included on the 1973 questionnaire. The most dramatic feature of Table 4 is the decline of the Snow Goose harvest in Quebec and Ontario. This reflects the catastrophic nesting conditions in the arctic breeding grounds during the spring of 1972. At the height of the usual breeding season the nesting areas were either flooded or still snow covered and the result was the poorest production of young in several years. The western populations of these geese had somewhat better nesting conditions. The spring of 1973 was good for breeding and it is expected that the eastern goose harvest will return to normal.

Because the harvest survey uses a larger sample of hunters, "other geese" occasionally show up on that survey when only Canada Geese show up in the species composition survey. This accounts for the anonymous "other geese" that appear at the beginning of Table 4. In all cases the Canada Goose harvest is that reported from the harvest survey regardless of the number of tail fans sent in, while the kill of "other geese" is distributed according to the tail fan receipts of individual species.

This year the seaduck harvest has been broken down by species (Table 5) and age groups. These data are based on a simple percentage of the whole season's harvest and are not adjusted for changes in harvest intensity during the season. This adjustment is planned for 1973, when seaducks will receive more attention as they are an important recreation and food resource on the Atlantic coast and throughout the Great Lakes basin.

Tables 6 to 26 show the age and sex ratios of sport ducks (age ratios of geese and seaducks are contained in Tables 4 and 5; sex cannot be determined for most of these species), which indicated a successful reproduction year. However, the age ratio is not a simple production index since it is influenced by the relative vulnerability of young birds, which is a function of population size, earliness of the hunting season, mean age of the population, migration patterns and weather. To determine the true age ratio of the population it is necessary to adjust the data given in Tables 6-26 with that obtained from the Co-operative Preseason Banding Program. This adjustment is based on the age ratios of the birds banded and the age ratios of banded birds reported killed. The ratio of banded to recovered banded birds is then divided into the ratio derived by hunters response to the species composition survey and the resultant ratio is a truer approximation of the age ratio of the population from which it was derived.

As it takes longer to collect band reports for a complete season, this data cannot be presented at this time. We propose to publish a progress note in which age and sex ratio data will be corrected by the same procedure used in the present report to adjust the species composition of ducks. In addition the age ratio data will further be adjusted for relative vulnerability.

**Table 1**  
Kill of each species of duck (except sea ducks) for the whole of Canada. Adjusted for hunting intensity

Species	Retrieved kill	
	1971-72	1972-73
Common Merganser	14,810	0.42
Red-breasted Merganser	14,733	0.42
Hooded Merganser	30,988	0.88
Mallard	1,679,563	47.95
Black Duck	310,961	8.88
Gadwall	100,146	2.86
American Widgeon	124,282	3.55
Green-winged Teal	242,633	6.93
Blue-winged Teal	166,596	4.76
Shoveler	65,638	1.87
Pintail	206,289	5.89
Wood Duck	73,850	2.11
Redhead	47,754	1.36
Canvasback	23,901	0.68
Greater Scaup	45,991	1.31
Lesser Scaup	98,224	2.80
Ring-necked Duck	91,918	2.62
Goldeneye	108,840	3.11
Bufflehead	50,541	1.44
Ruddy Duck	5,169	0.15
Total	3,502,827	100.0
		3,444,909
		100.0

**Table 2a**

Estimated retrieved kill of duck species (other than sea ducks) in Newfoundland. These data are adjusted for differences in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	01	6,003	11.83	3,723	6.67	4,032	10.12	2,420	5.24	13	
	02	513	4.31	648	6.05	300	2.23	177	1.77	3	
	Total	6,516	10.40	4,371	6.57	4,332	8.13	2,597	4.63	16	
Red-breasted Merganser	01	1,741	3.43	1,405	2.52	0	—	5,174	11.21	21	
	02	1,726	14.50	1,430	13.35	961	7.14	674	6.75	3	
	Total	3,467	5.53	2,835	4.26	961	1.80	5,848	10.41	24	
Hooded Merganser	01	145	0.28	0	—	0	—	0	—	0	
	02	0	—	187	1.75	0	—	295	2.95	2	
	Total	145	0.23	187	0.28	0	—	295	0.53	2	
Mallard	01	121	0.24	0	—	0	—	112	0.24	1	
	02	0	—	0	—	0	—	308	3.08	1	
	Total	121	0.19	0	—	0	—	420	0.75	2	
Black Duck	01	19,765	38.93	21,629	38.75	14,327	35.96	18,569	40.23	130	
	02	4,754	39.93	1,324	12.36	3,503	26.01	4,363	43.65	20	
	Total	24,519	39.12	22,953	34.50	17,830	33.44	22,932	40.84	150	
Green-winged Teal	01	14,880	29.31	12,646	22.66	7,822	19.63	9,208	19.95	73	
	02	1,434	12.05	1,775	16.57	1,371	10.18	2,805	28.06	16	
	Total	16,314	26.03	14,421	21.68	9,193	17.24	12,013	21.39	89	
Blue-winged Teal	01	1,465	2.89	891	1.60	921	2.31	258	0.56	3	
	02	0	—	187	1.75	0	—	0	—	0	
	Total	1,465	2.34	1,078	1.62	921	1.73	258	0.46	3	
Pintail	01	289	.57	203	0.36	0	—	372	0.81	3	
	02	1,884	15.83	699	6.52	1,021	7.58	592	5.92	2	
	Total	2,173	3.47	902	1.36	1,021	1.92	964	1.72	5	
Greater Scaup	01	0	—	369	0.66	1,459	3.66	313	0.68	2	
	02	0	—	179	1.67	246	1.83	0	—	0	
	Total	0	—	548	0.82	1,705	3.20	313	0.56	2	
Lesser Scaup	01	0	—	0	—	0	—	73	0.16	1	
	02	217	1.83	381	3.53	1,183	8.78	0	—	0	
	Total	217	0.35	381	0.57	1,183	2.22	73	0.13	1	
Ring-necked Duck	01	1,485	2.92	3,644	6.53	921	2.31	2,163	4.69	15	
	02	0	—	0	—	0	—	0	—	0	
	Total	1,485	2.37	3,644	5.48	921	1.73	2,163	3.85	15	
Barrow's and Common Goldeneye	01	4,872	9.60	11,199	20.06	10,362	26.01	7,254	15.72	40	
	02	1,376	11.56	3,902	36.43	4,881	36.25	782	7.82	4	
	Total	6,248	9.97	15,101	22.70	15,243	28.59	8,036	14.31	44	
Bufflehead	01	0	—	0	—	0	—	240	0.52	1	
	02	0	—	0	—	0	—	0	—	0	
	Total	0	—	—	—	0	—	240	0.43	1	
Other species	Total	0	—	107	0.16	0	—	0	—	0	
All species	Total	62,671	100.0	66,526	100.0	53,312	100.0	56,151	100.0	354	

**Table 2b**

Estimated retrieved kill of duck species (other than sea ducks) in Prince Edward Island. These data are adjusted for differences in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	01	264	1.05	325	1.12	375	1.23	26	0.14	1	
Red-breasted Merganser	01	593	2.35	393	1.36	698	2.29	439	2.41	12	
Hooded Merganser	01	0	—	140	0.49	89	0.29	0	—	0	
Mallard	01	165	0.65	38	0.13	354	1.16	89	0.49	4	
Black Duck	01	9,273	36.72	8,841	30.57	16,366	53.72	9,731	53.46	292	
American Widgeon	01	206	0.82	295	1.02	150	0.49	238	1.31	9	
Green-winged Teal	01	9,164	36.29	12,928	44.71	9,560	31.38	6,042	33.19	213	
Blue-winged Teal	01	4,300	17.03	3,724	12.88	871	2.86	618	3.40	26	
Shoveler	01	0	—	0	—	0	—	22	0.12	1	
Pintail	01	801	3.17	1,287	4.45	681	2.24	417	2.29	15	
Wood Duck	01	0	—	0	—	0	—	22	0.12	1	
Ring-necked Duck	01	168	0.66	494	1.71	602	1.97	190	1.04	7	
Barrow's and Common Goldeneye	01	209	0.83	38	0.13	493	1.62	370	2.03	10	
Other species	Total	110	0.43	415	1.43	227	0.75	0	—	0	
All species	Total	25,252	100.0	28,918	100.0	30,466	100.0	18,203	100.0	591	

**Table 2c**  
Estimated retrieved kill of duck species (other than sea ducks)  
in Nova Scotia. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	—	
Common Merganser	01	297	0.80	675	1.56	1,130	2.44	1,152	3.26	14	
	02	1,035	8.12	377	2.36	161	0.65	720	3.53	19	
	Total	1,332	2.66	1,052	1.78	1,291	1.82	1,872	3.36	33	
Red-breasted Merganser	01	1,002	2.68	1,720	3.97	1,396	3.01	551	1.56	7	
	02	266	2.08	337	2.13	278	1.12	99	0.48	4	
	Total	1,268	2.53	2,057	3.47	1,674	2.36	650	1.17	11	
Hooded Merganser	01	149	0.40	0	—	45	0.10	0	—	0	
	02	0	—	57	0.36	35	0.14	43	0.21	3	
	Total	149	0.30	57	0.10	80	0.11	43	0.08	3	
Mallard	01	835	2.23	665	1.54	268	0.58	397	1.12	6	
	02	45	0.35	75	0.47	465	1.88	442	2.17	20	
	Total	880	1.75	740	1.25	733	1.03	839	1.51	26	
Black Duck	01	23,577	63.06	21,677	50.05	27,550	59.40	22,282	63.11	366	
	02	6,794	53.26	8,557	53.71	15,430	62.52	13,389	65.55	540	
	Total	30,371	60.57	30,234	51.04	42,980	60.48	35,671	64.00	906	
American Widgeon	01	0	—	348	0.80	0	—	0	—	0	
	02	0	—	0	—	87	0.35	180	0.88	14	
	Total	0	—	348	0.59	87	0.12	180	0.32		
Green-winged Teal	01	8,638	23.10	9,473	21.87	8,805	18.98	5,322	15.07	159	
	02	2,268	17.78	4,141	25.99	5,285	21.42	2,993	14.65	147	
	Total	10,906	21.75	13,614	22.98	14,090	19.83	8,315	14.92	306	
Blue-winged Teal	01	892	2.39	522	1.21	164	0.35	540	1.53	18	
	02	179	1.40	230	1.44	224	0.91	812	3.98	72	
	Total	1,071	2.14	752	1.27	388	0.55	1,352	2.43	90	
Shoveler	01	0	—	0	—	124	0.27	0	—	0	
	02	45	0.35	0	—	0	—	49	0.24	3	
	Total	45	0.09	0	—	124	0.17	49	0.09	3	
Pintail	01	149	0.40	852	1.97	366	0.79	176	0.50	6	
	02	400	3.14	506	3.17	235	0.95	261	1.28	18	
	Total	549	1.09	1,358	2.29	601	0.85	437	0.78	24	
Wood Duck	01	0	—	0	—	120	0.26	156	0.44	5	
	02	311	2.43	232	1.46	199	0.80	85	0.42	6	
	Total	311	0.62	232	0.39	319	0.45	241	0.43	11	
Greater Scaup	01	0	—	1,882	4.35	1,070	2.31	95	0.27	1	
	02	268	2.10	72	0.45	76	0.31	32	0.16	1	
	Total	268	0.53	1,954	3.30	1,146	1.61	127	0.23	2	
Lesser Scaup	01	0	—	935	2.16	439	0.95	204	0.58	2	
	02	0	—	115	0.72	18	0.07	0	—	0	
	Total	0	—	1,050	1.77	457	0.64	204	0.37	2	
Ring-necked Duck	01	0	—	695	1.60	208	0.45	308	0.87	11	
	02	224	1.75	155	0.98	333	1.35	284	1.39	18	
	Total	224	0.45	850	1.43	541	0.76	592	1.06	29	
Barrow's and Common Goldeneye	01	584	1.56	3,405	7.86	2,783	6.00	3,143	8.91	31	
	02	45	0.35	1,002	6.29	1,404	5.69	782	3.83	22	
	Total	629	1.25	4,407	7.44	4,187	5.89	3,925	7.04	53	
Bufflehead	01	1,261	3.37	372	0.86	1,912	4.12	982	2.78	11	
	02	878	6.89	35	0.22	370	1.50	256	1.25	6	
	Total	2,139	4.27	407	0.69	2,282	3.21	1,238	2.22	17	
Other species	Total	0	—	128	0.22	79	0.11	0	—	0	
All species	Total	50,143	100.0	59,239	100.0	71,059	100.0	55,734	100.0	1,530	

**Table 2d**  
Estimated retrieved kill of duck species (other than sea ducks)  
in New Brunswick. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill															
		1969-70					1970-71					1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	01	160	0.31	141	0.28	170	0.40	37	0.09	1							
	02	111	0.94	113	1.12	109	0.76	0	—	0							
	Total	271	0.43	254	0.42	279	0.49	37	0.07	1							
Red-breasted Merganser	01	249	0.49	166	0.33	192	0.45	629	1.51	11							
	02	239	2.03	385	3.82	795	5.59	159	1.67	4							
	Total	488	0.78	551	0.90	987	1.74	788	1.54	15							
Hooded Merganser	01	0	—	117	0.23	44	0.10	115	0.28	4							
	02	86	0.73	22	0.22	130	0.91	16	0.16	1							

**Table 2e**  
Estimated retrieved kill of duck species (other than sea ducks)  
in Quebec. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	01	2,617	0.62	5,183	1.25	3,874	1.08	7,066	1.94	44	
	02	547	1.34	0	—	1,319	1.39	2,354	4.66	14	
	Total	3,164	0.68	5,183	1.11	5,193	1.14	9,420	2.27	58	
Red-breasted Merganser	01	1,364	0.32	2,957	0.71	5,305	1.48	2,560	0.70	14	
	02	1,028	2.52	1,127	2.25	3,672	3.87	2,596	5.14	15	
	Total	2,392	0.51	4,084	0.88	8,977	1.98	5,156	1.24	29	
Hooded Merganser	01	8,248	1.94	7,384	1.78	6,173	1.72	6,196	1.70	57	
	02	466	1.14	193	0.39	567	0.60	429	0.85	5	
	Total	8,714	1.87	7,577	1.63	6,740	1.48	6,625	1.60	62	
Mallard	01	37,544	8.83	39,416	9.50	37,823	10.52	57,778	15.86	667	
	02	845	2.07	2,743	5.46	4,615	4.86	3,675	7.28	40	
	Total	38,389	8.24	42,159	9.07	42,438	9.34	61,453	14.81	707	
Black Duck	01	76,435	17.99	92,639	22.34	82,455	22.94	84,761	23.26	846	
	02	9,084	22.30	11,966	23.84	30,590	32.21	18,422	36.53	190	
	Total	85,519	18.36	104,605	22.50	113,045	24.87	103,183	24.87	1,036	
Gadwall	01	419	0.10	444	0.11	1,470	0.41	2,238	0.61	29	
	02	0	—	0	—	0	—	0	—	0	
	Total	419	0.09	444	0.10	1,470	0.32	2,238	0.54	29	
American Widgeon	01	6,044	1.42	6,263	1.51	5,974	1.66	4,244	1.16	55	
	02	85	0.21	464	0.93	119	0.13	359	0.71	4	
	Total	6,129	1.32	6,727	1.45	6,093	1.34	4,603	1.11	59	
Green-winged Teal	01	60,373	14.21	66,826	16.11	63,280	17.60	35,730	9.81	387	
	02	12,983	31.86	17,155	34.18	22,868	24.08	8,717	17.27	112	
	Total	73,356	15.75	83,981	18.07	86,148	18.96	44,447	10.71	499	
Blue-winged Teal	01	65,778	15.48	41,501	10.01	42,193	11.74	40,050	10.99	655	
	02	3,311	8.13	2,814	5.61	11,042	11.63	1,209	2.39	18	
	Total	69,089	14.84	44,315	9.53	53,235	11.71	41,259	9.95	673	
Shoveler	01	2,932	0.69	4,183	1.01	5,718	1.59	3,291	0.90	53	
	02	141	0.35	0	—	0	—	247	0.49	1	
	Total	3,073	0.66	4,183	0.90	5,718	1.26	3,538	0.85	54	
Pintail	01	18,089	4.26	23,272	5.61	19,210	5.34	14,384	3.95	189	
	02	2,375	5.83	3,364	6.70	6,587	6.94	2,547	5.04	35	
	Total	20,464	4.39	26,636	5.73	25,797	5.68	16,931	4.08	224	
Wood Duck	01	15,281	3.60	20,356	4.91	9,510	2.65	12,577	3.45	171	
	02	138	0.34	1,164	2.32	212	0.22	358	0.71	6	
	Total	15,419	3.31	21,520	4.63	9,722	2.14	12,935	3.12	177	
Redhead	01	3,634	0.86	1,986	0.48	2,435	0.68	1,759	0.48	13	
	02	0	—	48	0.10	276	0.29	0	—	0	
	Total	3,634	0.78	2,034	0.44	2,711	0.60	1,759	0.42	13	
Canvasback	01	355	0.08	734	0.18	144	0.04	955	0.26	6	
	02	0	—	0	—	0	—	0	—	0	
	Total	355	0.08	734	0.16	144	0.03	955	0.23	6	
Greater Scaup	01	30,825	7.25	26,870	6.48	15,262	4.25	15,409	4.23	93	
	02	715	1.76	719	1.43	299	0.32	474	0.94	4	
	Total	31,540	6.77	27,589	5.93	15,561	3.42	15,883	3.83	97	
Lesser Scaup	01	23,716	5.58	25,004	6.03	16,068	4.47	10,535	2.89	66	
	02	1,747	4.29	3,290	6.56	1,919	2.02	1,412	2.80	11	
	Total	25,463	5.47	28,294	6.09	17,987	3.96	11,947	2.88	77	
Ring-necked Duck	01	13,242	3.12	12,647	3.05	10,525	2.93	12,780	3.51	110	
	02	701	1.72	1,371	2.73	1,800	1.90	632	1.25	10	
	Total	13,943	2.99	14,018	3.02	12,325	2.71	13,412	3.23	120	
Barrow's and Common Goldeneye	01	45,107	10.61	32,031	7.73	26,826	7.48	46,688	12.81	244	
	02	6,502	15.96	3,764	7.50	7,806	8.22	6,793	13.46	56	
	Total	51,609	11.08	35,795	7.70	34,632	7.62	53,481	12.89	300	

**Table 2e cont.**  
Estimated retrieved kill of duck species (other than sea ducks)  
in Quebec. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Bufflehead	01	12,958	3.05	4,590	1.11	4,859	1.35	5,380	1.48	30	
	02	77	0.19	0	—	1,274	1.34	247	0.49	1	
	Total	13,035	2.80	4,590	0.99	6,133	1.35	5,627	1.36	31	
Other species	Total	0	—	406	0.09	409	0.09	0	—	0	
All species	Total	465,705	100.0	464,875	100.0	45					

**Table 2f**  
Estimated retrieved kill of duck species (other than sea ducks)  
in Ontario. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Common Merganser	01	1,522	0.60	878	0.35	0	—	1,189	0.45	10	
	02	2,620	0.52	4,228	0.91	1,814	0.54	894	0.21	10	
	03	500	0.29	1,710	1.10	1,243	0.71	494	0.38	5	
	Total	4,642	0.50	6,816	0.78	3,057	0.41	2,577	0.32	25	
Red-breasted Merganser	01	505	0.20	2,360	0.95	378	0.17	779	0.30	7	
	02	1,881	0.38	499	0.11	503	0.15	1,209	0.29	12	
	03	53	0.03	240	0.15	595	0.34	0	—	0	
	Total	2,439	0.26	3,099	0.36	1,476	0.20	1,988	0.24	19	
Hooded Merganser	01	523	0.20	702	0.28	1,568	0.69	1,844	0.70	19	
	02	22,173	4.44	15,845	3.39	14,823	4.42	12,608	2.98	175	
	03	4,744	2.75	4,131	2.65	7,395	4.20	2,295	1.76	25	
	Total	27,440	2.96	20,678	2.37	23,786	3.22	16,747	2.05	219	
Mallard	01	85,713	33.53	72,734	29.14	82,347	36.13	95,190	36.33	1,174	
	02	113,168	22.64	107,098	22.93	99,872	29.80	127,667	30.15	1,898	
	03	30,002	17.37	34,054	21.88	41,588	23.64	31,369	24.10	346	
	Total	228,883	24.66	213,886	24.52	223,807	30.28	254,226	31.17	3,418	
Black Duck	01	22,156	8.67	28,663	11.48	22,318	9.79	24,419	9.32	236	
	02	62,023	12.41	66,486	14.23	50,197	14.98	53,149	12.55	753	
	03	22,520	13.04	21,362	13.72	25,082	14.26	23,221	17.84	245	
	Total	106,699	11.50	116,511	13.36	97,597	13.21	100,789	12.36	1,234	
Gadwall	01	2,331	0.91	2,053	0.82	1,279	0.56	2,511	0.96	29	
	02	580	0.12	587	0.13	658	0.20	936	0.22	13	
	03	147	0.09	69	0.04	45	0.03	99	0.08	1	
	Total	3,058	0.33	2,709	0.31	1,982	0.27	3,546	0.43	43	
American Widgeon	01	7,672	3.00	7,802	3.13	4,408	1.93	4,994	1.91	76	
	02	5,075	1.02	6,086	1.30	2,734	0.82	4,008	0.95	57	
	03	3,758	2.18	2,401	1.54	4,875	2.77	3,200	2.46	37	
	Total	16,505	1.78	16,289	1.87	12,017	1.63	12,202	1.50	170	
Green-winged Teal	01	17,749	6.94	20,512	8.22	12,340	5.41	9,535	3.64	143	
	02	41,605	8.32	25,999	5.57	18,356	5.48	17,397	4.11	259	
	03	8,152	4.72	6,774	4.35	8,253	4.69	4,457	3.42	49	
	Total	67,506	7.27	53,285	6.11	38,949	5.27	31,389	3.85	451	
Blue-winged Teal	01	7,708	3.02	9,920	3.97	10,292	4.52	7,543	2.88	156	
	02	36,385	7.28	34,579	7.40	22,093	6.59	29,427	6.95	536	
	03	7,542	4.37	5,780	3.71	7,562	4.30	4,614	3.54	52	
	Total	51,635	5.56	50,279	5.76	39,947	5.41	41,584	5.10	744	
Shoveler	01	1,072	0.42	655	0.26	656	0.29	740	0.28	12	
	02	792	0.16	732	0.16	351	0.10	825	0.19	9	
	03	106	0.06	0	—	194	0.11	0	—	0	
	Total	1,970	0.21	1,387	0.16	1,201	0.16	1,565	0.19	21	
Pintail	01	2,759	1.08	5,350	2.14	4,244	1.86	4,195	1.60	50	
	02	5,623	1.13	4,626	0.99	2,865	0.85	3,421	0.81	48	
	03	2,526	1.46	4,909	3.15	3,336	1.90	2,049	1.57	22	
	Total	10,908	1.18	14,885	1.71	10,445	1.41	9,665	1.18	120	
Wood Duck	01	13,288	5.20	16,062	6.44	15,796	6.93	11,040	4.21	204	
	02	53,816	10.77	56,605	12.12	41,065	12.25	46,606	11.01	768	
	03	1,739	1.01	2,419	1.55	3,573	2.03	4,254	3.27	48	
	Total	68,843	7.42	75,086	8.61	60,434	8.12	61,900	7.59	1,020	
Redhead	01	11,451	4.48	14,279	5.72	11,319	4.97	15,853	6.05	172	
	02	1,614	0.32	4,814	1.03	2,271	0.68	7,041	1.66	80	
	03	437	0.25	819	0.53	523	0.30	1,294	0.99	11	
	Total	13,502	1.45	19,912	2.28	14,113	1.91	24,188	2.97	263	

**Table 2f cont.**  
Estimated retrieved kill of duck species (other than sea ducks)  
in Ontario. These data are adjusted for differences in  
the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Canvasback	01	5,047	1.97	5,089	2.04	7,779	3.41	6,839	2.61	06	
	02	847	0.17	2,653	0.57	712	0.21	1,535	0.36	15	
	03	660	0.38	98	0.06	45	0.03	1,511	1.16	9	
	Total	6,554	0.71	7,840	0.90	8,536	1.16	9,885	1.21	84	
Greater Scaup	01	11,283	4.41	17,609	7.06	10,297	4.52	21,061	8.04	199	
	02	19,589	3.92	17,562	3.76	10,110	3.02	16,736	3.95	185	
	03	9,759	5.65	4,							

**Table 2g**

Estimated retrieved kill of duck species (other than sea ducks) in Manitoba. These data are adjusted for differences in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	usable sample	
Mallard	01	261,085	59.55	287,261	58.93	154,226	57.44	194,190	59.31	1,642	
	02	20,177	69.95	23,071	75.31	43,793	68.73	20,350	70.71	238	
	Total	281,262	60.19	310,332	59.90	198,019	59.60	214,540	60.23	1,880	
Black Duck	01	1,304	0.30	952	0.20	725	0.27	294	0.09	3	
	02	87	0.30	91	0.30	0	—	0	—	0	
	Total	1,391	0.30	1,043	0.20	725	0.22	294	0.08	3	
Gadwall	01	21,120	4.82	12,838	2.63	10,780	4.01	10,046	3.07	98	
	02	340	1.18	116	0.38	1,014	1.59	299	1.04	5	
	Total	21,460	4.59	12,954	2.50	11,794	3.55	10,345	2.90	103	
American Widgeon	01	13,393	3.05	18,636	3.82	8,662	3.23	10,260	3.13	100	
	02	1,429	4.95	1,092	3.56	2,617	4.11	1,414	4.91	16	
	Total	14,822	3.17	19,728	3.81	11,279	3.39	11,674	3.28	116	
Green-winged Teal	01	11,516	2.63	18,826	3.86	14,339	5.34	13,046	3.98	126	
	02	578	2.00	830	2.71	1,195	1.88	1,008	3.50	12	
	Total	12,094	2.59	19,656	3.79	15,534	4.68	14,054	3.95	138	
Blue-winged Teal	01	10,999	2.51	18,702	3.84	20,550	7.65	12,898	3.94	128	
	02	250	0.87	703	2.29	1,115	1.75	843	2.93	15	
	Total	11,249	2.41	20,405	3.94	21,665	6.52	13,741	3.86	143	
Shoveler	01	12,965	2.96	11,578	2.38	6,684	2.49	5,488	1.68	54	
	02	43	0.15	205	0.67	640	1.01	38	0.13	1	
	Total	13,008	2.78	11,783	2.27	7,324	2.20	5,526	1.55	55	
Pintail	01	18,490	4.22	28,687	5.88	13,415	5.00	15,071	4.60	148	
	02	2,646	9.17	2,023	6.60	6,923	10.86	1,668	5.79	22	
	Total	21,136	4.52	30,710	5.93	20,338	6.12	16,739	4.70	170	
Wood Duck	01	412	0.09	1,146	0.24	542	0.20	361	0.11	4	
	02	0	—	0	—	0	—	0	—	0	
	Total	412	0.09	1,146	0.22	542	0.16	361	0.10	4	
Redhead	01	15,911	3.63	14,711	3.02	7,506	2.80	7,578	2.31	68	
	02	265	0.92	103	0.34	542	0.85	76	0.26	2	
	Total	16,176	3.46	14,814	2.86	8,048	2.42	7,654	2.15	70	
Canvasback	01	4,670	1.07	5,556	1.14	3,840	1.43	4,255	1.30	40	
	02	0	—	134	0.44	806	1.26	0	—	0	
	Total	4,670	1.00	5,690	1.10	4,646	1.40	4,255	1.19	40	
Greater Scaup	01	2,077	0.47	269	0.06	1,065	0.40	1,950	0.60	10	
	02	0	—	116	0.38	0	—	0	—	0	
	Total	2,077	0.44	385	0.07	1,065	0.32	1,950	0.55	10	
Lesser Scaup	01	46,020	10.50	40,535	8.32	14,159	5.27	37,361	11.41	243	
	02	1,431	4.96	1,483	4.84	3,474	5.45	1,153	4.01	22	
	Total	47,451	10.15	42,018	8.11	17,633	5.31	38,514	10.81	265	
Ring-necked Duck	01	12,330	2.81	17,721	3.64	7,409	2.76	8,839	2.70	70	
	02	1,060	3.67	535	1.75	191	0.30	1,426	4.95	15	
	Total	13,390	2.87	18,256	3.52	7,600	2.29	10,265	2.88	85	
Barrow's and Common Goldeneye	01	2,461	0.56	4,052	0.83	2,631	0.98	1,648	0.50	12	
	02	496	1.72	103	0.34	1,320	2.08	385	1.34	6	
	Total	2,957	0.63	4,155	0.80	3,951	1.19	2,033	0.57	18	
Bufflehead	01	1,897	0.43	4,441	0.91	1,775	0.66	2,799	0.85	17	
	02	43	0.15	31	0.10	0	—	0	—	0	
	Total	1,940	0.41	4,472	0.86	1,775	0.53	2,799	0.79	17	
Ruddy Duck	01	1,782	0.41	1,550	0.32	209	0.08	530	0.16	6	
	02	0	—	0	—	87	0.14	0	—	0	
	Total	1,782	0.38	1,550	0.30	296	0.09	530	0.15	6	
Other species	Total	0	—	0	—	0	—	900*	0.25	6	
All species	Total	467,275	100.0	518,095	100.0	332,231	100.0	356,172	100.0	3,130	

\* 141 Common Mergansers, 315 Red-breasted Mergansers and 444 Hooded Mergansers.

**Table 2h**

Estimated retrieved kill of duck species (other than sea ducks) in Saskatchewan. These data are adjusted for differences in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	usable sample	
Mallard	01	186,385	66.64	393,880	74.46	217,023	75.26	198,947	81.71	1,025	
	02	22,451	86.17	6,654	81.01	125,769	78.40	120,559	78.41	696	
	Total	386,305	69.27	687,191	73.85</						

**Table 2h cont.**

Estimated retrieved kill of duck species (other than sea ducks) in Saskatchewan. These data are adjusted for differences in the intensity of hunting during the open season

Species	Adjusted estimate of the retrieved kill									
	1969-70		1970-71		1971-72		1972-73		1972-73	
	Harvest stratum	Harvest	%	Harvest	%	Harvest	%	Harvest	%	usable sample
Ruddy Duck	01	216	0.08	0	—	0	—	265	0.11	1
	02	0	—	0	—	262	0.16	0	—	0
	03	499	0.20	0	—	0	—	107	0.05	1
	Total	715	0.13	0	—	262	0.04	372	0.06	2
Other species	Total	0	—	0	—	127	0.02	531*	0.09	4
All species	Total	557,689	100.0	93,506	100.0	690,155	100.0	615,141	100.0	4,329

\*1972-73 Saskatchewan 03, Greater Scaup 196, 0.09%;  
Saskatchewan 01, Common Merganser 335, 0.98%.

**Table 2i**

Estimated retrieved kill of duck species (other than sea ducks) in Alberta. These data are adjusted for differences in the intensity of hunting during the open season

Species	Adjusted estimate of the retrieved kill									
	1969-70		1970-71		1971-72		1972-73		1972-73	
	Harvest stratum	Harvest	%	Harvest	%	Harvest	%	Harvest	%	usable sample
Common Merganser	01	0	—	0	—	0	—	0	—	1
	02	0	—	0	—	0	—	0	—	0
	Total	0	—	0	—	0	—	0	—	1
Red-breasted Merganser	01	0	—	0	—	0	—	0	—	2
	02	0	—	0	—	0	—	0	—	1
	Total	0	—	0	—	0	—	0	—	3
Hooded Merganser	01	0	—	0	—	0	—	0	—	1
	02	0	—	0	—	0	—	0	—	0
	Total	0	—	0	—	0	—	0	—	1
Mallard	01	166,677	62.35	215,961	65.07	194,148	59.01	148,769	59.55	1,001
	02	375,152	73.43	418,300	73.04	373,870	72.04	408,800	74.29	2,060
	Total	541,829	69.62	634,261	70.11	568,018	66.99	557,569	69.68	3,061
Gadwall	01	21,514	8.05	21,974	6.62	31,387	9.54	20,358	8.15	176
	02	31,013	6.07	28,246	4.93	22,909	4.41	27,859	5.06	159
	Total	52,527	6.75	50,220	5.55	54,296	6.40	48,217	6.03	335
American Widgeon	01	22,265	8.33	16,656	5.02	16,772	5.10	18,389	7.36	128
	02	34,790	6.81	18,817	3.29	20,027	3.86	21,311	3.87	116
	Total	57,055	7.33	35,473	3.92	36,799	4.34	39,700	4.96	244
Green-winged Teal	01	4,890	1.83	5,523	1.66	6,524	1.98	5,337	2.14	36
	02	9,105	1.78	8,077	1.41	10,027	1.93	8,243	1.50	48
	Total	13,995	1.80	13,600	1.50	16,551	1.95	13,580	1.70	84
Blue-winged Teal	01	6,239	2.33	6,494	1.96	9,832	2.99	3,962	1.59	40
	02	4,730	0.93	15,076	2.63	18,181	3.50	9,547	1.73	55
	Total	10,969	1.41	21,570	2.38	28,013	3.30	13,509	1.69	95
Shoveler	01	8,954	3.35	10,511	3.17	11,249	3.42	6,824	2.73	59
	02	17,813	3.49	27,255	4.76	20,958	4.04	14,836	2.70	83
	Total	26,767	3.44	37,766	4.17	32,207	3.80	21,660	2.71	142
Pintail	01	25,324	9.47	39,749	11.98	37,255	11.32	32,166	12.88	256
	02	23,347	4.57	38,317	6.69	34,305	6.61	36,735	6.68	203
	Total	48,671	6.25	78,066	8.63	71,560	8.44	68,901	8.61	459
Redhead	01	3,896	1.46	3,551	1.07	8,573	2.61	2,311	0.92	23
	02	3,553	0.70	6,040	1.05	7,163	1.38	6,895	1.25	35
	Total	7,449	0.96	9,591	1.06	15,736	1.86	9,206	1.15	58
Canvasback	01	1,956	0.73	1,966	0.59	2,847	0.87	1,460	0.58	15
	02	3,153	0.62	4,955	0.87	2,771	0.53	2,064	0.38	12
	Total	5,109	0.66	6,921	0.77	5,618	0.66	3,524	0.44	27
Lesser Scaup	01	2,794	1.05	6,952	2.09	7,410	2.25	5,137	2.06	32
	02	6,679	1.31	4,741	0.83	5,998	1.16	9,818	1.78	55
	Total	9,473	1.22	11,693	1.29	13,408	1.58	14,955	1.87	87
Ring-necked Duck	01	0	—	871	0.26	511	0.16	619	0.25	4
	02	637	0.12	190	0.03	445	0.09	151	0.03	1
	Total	637	0.08	1,061	0.12	956	0.11	770	0.10	5
Barrow's and Common Goldeneye	01	713	0.27	834	0.25	539	0.16	2,999	1.20	10
	02	586	0.14	1,130	0.20	845	0.17	1,014	0.18	5
	Total	1,299	0.17	1,964	0.22	1,384	0.16	4,013	0.50	15
Bufflehead	01	1,544	0.58	692	0.21	1,635	0.50	337	0.13	3
	02	360	0.07	1,288	0.22	1,107	0.21	1,244	0.23	7
	Total	1,904	0.24	1,980	0.22	2,742	0.32	1,581	0.20	10
Ruddy Duck	01	293	0.11	181	0.05	0	—	89	0.04	1
	02	0	—	0	—	361	0.07	1,115	0.20	6
	Total	293	0.04	181	0.02	361	0.04	1,204	0.15	7
Other species	Total	0	—	306	0.03	310	0.03	480*	0.06	2
All species	Total	778,247	100.0	904,665	100.0	847,956	100.0	800,152	100.0	4,577

\*1972-73 Alberta 02, Wood Duck 304, 0.06%; Greater Scaup 176, 0.03%.

**Table 2j**  
Estimated retrieved kill of duck species (other than sea ducks)  
in British Columbia. These data are adjusted for differences  
in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	—	—
Common Merganser	01	0	—	116	0.12	113	0.14	126	0.14	2	—
	02	0	—	94	0.05	170	0.12	31	0.02	1	—
	Total	0	—	210	0.07	283	0.12	157	0.06	3	—
Red-breasted Merganser	01	0	—	0	—	0	—	126	0.14	2	—
	02	0	—	0	—	0	—	62	0.04	1	—
	Total	0	—	0	—	0	—	188	0.07	3	—
Hooded Merganser	01	155	0.17	90	0.09	119	0.14	137	0.15	2	—
	02	771	0.43	72	0.04	0	—	0	—	0	—
	Total	926	0.34	162	0.06	119	0.05	137	0.05	2	—
Mallard	01	53,050	58.15	53,530	55.29	47,349	57.30	45,277	49.73	585	—
	02	78,861	44.08	80,308	42.93	66,355	45.47	69,536	40.99	1,096	—
	Total	131,911	48.83	133,838	47.15	113,704	49.75	114,813	44.04	1,681	—
Gadwall	01	116	0.13	345	0.36	742	0.90	436	0.48	6	—
	02	971	0.54	923	0.49	1,513	1.04	753	0.44	13	—
	Total	1,087	0.40	1,268	0.45	2,255	0.99	1,189	0.46	19	—
American Widgeon	01	14,745	16.16	14,196	14.66	9,513	11.51	15,138	16.63	183	—
	02	28,759	16.07	29,856	15.96	25,854	17.72	25,277	14.90	396	—
	Total	43,504	16.10	44,052	15.52	35,367	15.47	40,415	15.50	579	—
Green-winged Teal	01	8,078	8.85	6,603	6.82	6,919	8.37	5,866	6.44	91	—
	02	38,426	21.48	36,788	19.67	22,186	15.20	29,056	17.13	526	—
	Total	46,504	17.21	43,391	15.29	29,105	12.73	34,922	13.40	617	—
Blue-winged Teal	01	1,053	1.15	1,737	1.79	1,197	1.45	1,589	1.74	25	—
	02	97	0.05	215	0.11	318	0.22	93	0.06	3	—
	Total	1,150	0.43	1,952	0.69	1,515	0.66	1,682	0.65	28	—
Shoveler	01	1,941	2.13	2,322	2.40	1,487	1.80	2,481	2.73	31	—
	02	2,012	1.12	1,638	0.88	1,657	1.14	2,967	1.75	50	—
	Total	3,953	1.46	3,960	1.39	3,144	1.38	5,448	2.09	81	—
Pintail	01	3,405	3.73	6,980	7.21	5,109	6.18	11,943	13.12	162	—
	02	20,311	11.35	29,512	15.78	23,277	15.95	36,788	21.69	602	—
	Total	23,716	8.78	36,492	12.86	28,386	12.42	48,731	18.69	764	—
Wood Duck	01	640	0.70	444	0.46	573	0.69	448	0.49	7	—
	02	717	0.40	929	0.50	717	0.49	1,180	0.70	22	—
	Total	1,357	0.50	1,373	0.48	1,290	0.56	1,628	0.62	29	—
Redhead	01	552	0.61	706	0.73	203	0.25	284	0.31	3	—
	02	0	—	290	0.15	41	0.03	0	—	0	—
	Total	552	0.20	996	0.35	244	0.11	284	0.11	3	—
Canvasback	01	118	0.13	393	0.41	337	0.41	236	0.26	4	—
	02	243	0.14	223	0.12	104	0.07	370	0.22	5	—
	Total	361	0.13	616	0.22	441	0.19	606	0.23	9	—
Greater Scaup	01	0	—	126	0.13	152	0.18	274	0.30	4	—
	02	698	0.39	1,141	0.61	748	0.51	497	0.29	7	—
	Total	698	0.26	1,267	0.45	900	0.39	771	0.30	11	—
Lesser Scaup	01	858	0.94	1,100	1.14	1,584	1.92	1,005	1.10	9	—
	02	737	0.41	714	0.38	608	0.42	377	0.22	7	—
	Total	1,595	0.59	1,814	0.64	2,192	0.96	1,382	0.53	16	—
Ring-necked Duck	01	568	0.62	979	1.01	963	1.17	684	0.75	11	—
	02	546	0.31	740	0.40	756	0.52	85	0.05	2	—
	Total	1,114	0.41	1,719	0.61	1,719	0.75	769	0.30	13	—
Barrow's and Common Goldeneye	01	4,110	4.51	4,825	4.57	3,971	4.81	2,868	3.15	46	—
	02	3,002	1.68	1,510	0.81	560	0.38	992	0.58	10	—
	Total	7,112	2.63	6,335	2.23	4,531	1.98	3,860	1.48	56	—
Bufflehead	01	1,802	1.97	2,447	2.53	2,166	2.62	2,126	2.34	22	—
	02	2,693	1.50	1,960	1.05	1,023	0.70	1,514	0.89	15	—
	Total	4,495	1.66	4,407	1.55	3,189	1.40	3,640	1.40	37	—

**Table 2j cont.**  
Estimated retrieved kill of duck species (other than sea ducks)  
in British Columbia. These data are adjusted for differences  
in the intensity of hunting during the open season

Species	Harvest stratum	Adjusted estimate of the retrieved kill									
		1969-70		1970-71		1971-72		1972-73		1972-73 usable sample	
		Harvest	%	Harvest	%	Harvest	%	Harvest	%	Harvest	%
Ruddy Duck	01	42	0.05	268	0.28	135	0.16	0	—	0	0
	02	70	0.04	151	0.08	50	0.03	54	0.03	1	—
	Total	112	0.04	419	0.14	185	0.08	54			

**Table 4**  
Estimated retrieved kill and age ratios of the goose harvest

Province	Species	Harvest stratum	Estimated retrieved kill					
			1971-72		1972-73		Wing sample	Immatures per adult
			No.*	%	No.*	%		
Nfld.	Canada Geese	01	3,063	—	7,533	—	28	0.87
		02	2,869	—	2,719	—	25	2.13
		Total	5,932	95.11	10,152	98.66	53	1.30
	Others†	Total	305	4.89	138	1.34	0	—
	All species	Total	6,237	100.0	10,290	100.0	53	—
PEI	Canada Geese	Total	8,410	99.85	10,655	99.13	234	1.32
	Others†	Total	13	0.15	93	0.87	0	—
	All species	Total	8,423	100.0	10,748	100.0	231	—
NS	Canada Geese	01	4,792	—	3,742	—	67	0.54
		02	1,746	—	1,681	—	52	0.63
		Total	6,538	99.48	5,423	94.43	119	0.58
	Others†	Total	34	0.52	320	5.57	0	—
	All species	Total	6,572	100.0	5,743	100.0	119	—
NB	Canada Geese	01	633	—	1,625	—	11	0.57
		02	2,077	—	1,408	—	51	0.59
		Total	2,710	86.97	3,033	94.40	62	0.59
	Others†	Total	406	13.03	180	5.60	0	—
	All species	Total	3,116	100.0	3,213	100.0	62	—
Que.	Canada Geese	01	32,631	—	19,118	—	180	1.01
		02	13,389	—	5,736	—	57	1.20
		Total	46,020	68.74	24,854	72.88	237	1.05
	Snow Geese	01	13,347	—	6,145	—	31	0.15
		02	7,005	—	2,312	—	32	0.15
		Total	20,352	30.40	8,457	24.80	63	0.15
	Brant	01	574	—	791	—	4	—
		02	—	—	0	—	0	—
		Total	574	0.86	791	2.32	4	—
	All species	Total	66,946	100.0	34,102	100.0	285	—
Ont.	Canada Geese	01	9,344	—	11,042	—	39	0.44
		02	16,469	—	13,457	—	145	0.55
		03	8,059	—	4,166	—	23	0.53
		Total	33,872	67.44	28,665	80.09	207	0.53
	Lesser Snow Geese	01	234	—	1,392	—	4	0.33
		02	1,985	—	1,630	—	9	0.13
		03	12,907	—	3,229	—	26	0.24
		Total	15,126	30.12	6,251	17.46	39	0.22
	Brant	01	234	—	696	—	2	—
		02	993	—	181	—	1	—
		03	0	—	0	—	0	—
		Total	1,227	2.44	877	2.45	3	—
	All species	Total	50,225	100.0	35,793	100.0	229	—
Man.	Canada Geese (all races)	01	31,598	—	43,073	—	515	0.71
		02	12,060	—	4,485	—	56	0.55
		Total	43,658	78.13	47,558	73.41	571	0.69
	Lesser Snow Geese	01	8,988	—	13,824	—	163	0.72
		02	1,805	—	1,692	—	19	0.27
		Total	10,793	19.31	15,516	23.95	182	0.65
	White-fronted Geese	01	765	—	1,102	—	13	0.63
		02	601	—	267	—	3	0.50
		Total	1,366	2.44	1,369	2.11	16	0.60

**Table 4, cont.**  
Estimated retrieved kill and age ratios of the goose harvest

Province	Species	Harvest stratum	Estimated retrieved kill					
			1971-72		1972-73		Wing sample	Immatures per adult
			No.*	%	No.*	%		
Man. cont.	Ross' Geese	01	64	—	254	—	3	0.50
		02	0	—	89	—	1	—
		Total	64	0.11	343	0.52	4	0.33
	All species	Total	55,881	100.0	64,786	100.0	773	—
Sask.	Canada Geese	01	35,602	—	31,555	—	152	0.16
		02	11,323	—	7,061	—	47	0.27
		03	11,119	—	10,102	—	104	0.33
		Total	58,044	63.87	48,718	54.40	303	0.23
	Snow Geese	01	5,703	—	5,984	—	51	0.39
		02	—	—	1,294	—	3	0.50
		03	1,222	—	308	—	2	1.00
		Total	6,925	7.62	7,586	8.47	56	0.41
	Ross' Geese	01	2,608	—	821	—	7	0.17
		02	—	—	—	—	0	—
		03	—	—	154	—	1	—
		Total	2,608	2.87	975	1.09	8	0.14
	White-fronted Geese	01	18,258	—	26,517	—	226	1.26
		02	706	—	1,294	—	3	0.50
		03	4,337	—	4,463	—	29	0.26
		Total	23,301	25.64	32,274	36.04	258	1.06
	All species	Total	90,878	100.0	89,553	100.0	625	—
Alta.	Canada Geese	01	35,423	—	25,611	—	150	0.22
		02	17,881	—	31,588	—	80	0.25
		Total	53,304	68.48	57,199	61.83	230	0.23
	Snow Geese	01	10,089	—	9,627	—	97	0.31
		02	2,178	—	7,530	—	28	0.40
		Total	12,267	15.76	17,157	18.55	125	0.33
	Ross' Geese	01	893	—	298	—	3	2.00
		02	111	—	269	—	1	—
		Total	1,004	1.29	567	0.61	4	1.00
	White-fronted Geese	01	9,329	—	5,756	—	58	0.81
		02	1,934	—	11,833	—	44	3.00
		Total	11,263	14.47	17,589	19.01	102	1.37
	All species	Total	77,839	100.0	92,512	100.0	461	—
BC	Canada Geese	01	4,931	—	3,729	—	95	0.42
		02	2,488	—	4,071	—	42	0.62
		Total	7,419	73.57	7,800	85.50	137	0.47
	Snow Geese	01	0	—	163	—	6	0.50
		02	2,399	—	700	—	8	—
		Total	2,399	23.79	863	9.46	14	0.17
	White-fronted Geese	01	0	—	460	—	17	1.29
		02	89	—	0	—	0	—
		Total	89	0.88	460	5.04</		

**Table 5**  
Estimated retrieved kill and age ratios of the sea duck  
harvest 1971-72

Province	Species	Harvest stratum	Estimated harvest	%	Wing sample	Immatures per adult
Nfld.	Common Eider	01	19,272	80.00	32	0.52
		02	2,056	30.00	6	—
		Total	21,328	68.93	38	0.51
	Common Scoter	01	3,614	15.00	6	2.00
		02	2,056	30.00	6	2.00
		Total	5,670	18.32	12	2.00
	White-winged Scoter	01	602	2.50	1	—
		02	1,713	25.00	5	0.25
		Total	2,315	7.48	6	0.34
	Surf Scoter	01	602	2.50	1	—
		02	1,028	15.00	3	0.50
		Total	1,630	5.27	4	0.79
	All species	Total	30,943	100.0	60	—
PEI	Oldsquaw	Total	1,216	66.07	37	0.32
	Common Eider	Total	197	10.71	6	—
	Common Scoter	Total	33	1.79	1	—
	White-winged Scoter	Total	33	1.79	1	—
	Surf Scoter	Total	361	19.64	11	1.20
	All species	Total	1,840	100.0	56	—
NS	Oldsquaw	01	4,572	20.47	26	0.37
		02	2,428	48.48	16	1.29
		Total	7,000	25.60	42	0.52
	Common Eider	01	10,553	47.24	60	3.62
		02	455	9.09	3	2.00
		Total	11,008	40.26	63	3.61
	Common Scoter	01	1,583	7.09	9	0.50
		02	152	3.03	1	—
		Total	1,735	6.35	10	0.49
	White-winged Scoter	01	2,638	11.81	15	0.07
		02	304	6.06	2	0.50
		Total	2,942	10.76	17	0.08
	Surf Scoter	01	2,990	13.39	17	1.43
		02	1,669	33.33	11	10.00
		Total	4,659	17.04	28	2.06
	All species	Total	27,344	100.0	160	—
NB	Oldsquaw	01	417	10.00	2	1.00
		02	498	33.33	1	—
		Total	915	16.15	3	2.19
	Common Eider	01	1,043	25.00	5	4.00
		02	0	—	0	—
		Total	1,043	18.41	5	4.00
	Common Scoter	01	417	10.00	2	—
		02	0	—	0	—
		Total	417	7.36	2	—
	White-winged Scoter	01	834	20.00	4	0.33
		02	498	33.33	1	—
		Total	1,332	23.51	5	0.53
	Surf Scoter	01	1,461	35.00	7	1.33
		02	498	33.33	1	—
		Total	1,959	34.57	8	1.45
	All species	Total	5,666	100.0	23	—

**Table 5, cont.**  
Estimated retrieved kill and age ratios of the sea duck  
harvest 1971-72

Province	Species	Harvest stratum	Estimated harvest	%	Wing sample	Immatures per adult
Que.	Oldsquaw	01	1,123	13.43	18	0.64
		02	3,054	33.33	15	0.88
		Total	4,177	23.84	33	0.79
	Common Eider	01	2,370	28.35	38	1.47
		02	2,851	31.11	14	2.25
		Total	5,221	29.80	52	1.66
	Common Scoter	01	1,559	18.66	25	0.47
		02	407	4.44	2	—
		Total	1,966	11.22	27	0.50
	White-winged Scoter	01	873	10.45	14	1.33
		02	611	6.67	3	0.50
		Total	1,484	8.47	17	1.18
	Surf Scoter	01	2,433	29.10	39	3.88
		02	2,240	24.44	11	1.20
		Total	4,673	26.67	50	2.90
	All species	Total	17,521	100.0	179	—
Ont.	Oldsquaw	01	1,616	52.17	12	0.71
		02	1,616	61.11	55	0.93
		03	62	6.25	1	—
		Total	3,294	48.89	68	0.86
	Common Scoter	01	404	13.04	3	2.00
		02	235	8.89	8	1.67
		03	374	37.50	6	—
		Total	1,013	15.04	17	3.25
	White-winged Scoter	01	808	26.09	6	5.00
		02	470	17.78	16	4.33
		03	62	6.25	1	—
		Total	1,340	19.89	23	4.75
	Surf Scoter	01	269	8.70	2	—
		02	323	12.22	11	4.50
		03	498	50.00	8	1.67
		Total	1,090	16.18	21	3.20
	All species	Total	6,737	100.0	129	—
Man.	All species	01	21	—	0	—
		Total	21	—	0	—
Sask.	All species	01	1,146	—	0	—
		02	240	—	1*	—
		03	353	—	0	—
		Total	1,739	—	1	—
Alta.	All species	01	1,469	—	1†	—
		02	572	—	1*	—
		Total	2,041	—	2	—
BC	All species	01	0	—	1†	—
		02	3,536	—	2‡	—
		Total	3,536	—	3	—

\* White-winged Scoter.

† Surf Scoter.

‡ One Surf Scoter and one Oldsquaw.

**Table 6**  
**Common Merganser age and sex ratios**

Prov.	Harvest stratum	Age ratio (immature per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)					
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	12		12						9	5	4	
	2	3		3						3	3	3	
	Total	15		15						12	5	7	
PEI	1	1	1			1	1						
	Total	1	1			1	1						
NS	1	14	4	10		4		4		10	1	9	
	2	19	3	16		3	1	2		15	8	7	
	Total	33	7	26	3.714	7	1	6		25	9	16	0.563
NB	1	1		1									
	2												
	Total	1		1									
Que.	1	43	20	23	1.150	20	7	13	0.539	22	6	16	0.375
	2	14	4	10		4		4		9	2	7	
	Total	57	24	33	1.375	24	7	17	0.412	31	8	23	0.348
Ont.	1	9	5	4		5	3	2		3		3	
	2	9	6	3		6	5	1		3	1	2	
	3	5	4	1		4		4					
Man.	Total	23	15	8	.533	15	8	7		6	1	5	
	1	1	1			1		1					
	2												
Sask.	Total	1	1			1		1					
	1												
	2	2	1	1		1	1						
Alta.	1												
	3												
	Total	2	1	1		1	1						
BC	1	1	1										
	2	2	1	1		1	1						
	Total	3	1	2		1	1						
Total		137	51	86	1.686	50	19	31	0.613	74	23	51	0.451

**Table 7**  
Red-breasted Merganser age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	21	7	14	2.000	7	3	4			1		1
	2	3		3							1		1
PEI	Total	24	7	17	2.429	7	3	4			1		1
	1	12	2	10		2	2						
NS	Total	12	2	10		2	2						
	1	7	3	4		3	1	2			1		1
NB	2	4	1	3		1		1			1		1
	Total	11	4	7		4	1	3			1		1
Que.	1	11	6	5		6	4	2			1		1
	2	4		4		6	4	2			5		1
Ont.	Total	15	6	9		6	4	2			6		2
	1	14	3	11		3	2	1			4		1
Man.	2	15	4	11		4	2	2			5		1
	Total	29	7	22	3.143	7	4	3			6		2
Alta.	1	7	3	4		2	2				2		2
	2	12	5	7		5		5					
BC	3												
	Total	19	8	11		7	2	5			2		2
	1	1	1			1	1				1		1
	2	1		1							1		1
	Total	2	1	1		1	1				1		1
	1	2	2			2	1	1					
	2	1	1			1		1					
	Total	3	3			3	1	2					
	1	2		2									
	2	1	1			1	1						
	Total	3	1	2		1	1						
Total		118	39	79	2.026	38	19	19	1.000	11	8	3	

**Table 8**  
Hooded Merganser age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1												
	2	2	2			2	2						
	Total	2	2			2	2						
NS	1												
	2	3		3									
	Total	3		3									
NB	1	4	2	2		2		2					
	2	1		1									
	Total	5	2	3		2		2					
Que.	1	55	20	35	1.750	20	13	7	1.857				
	2	5	2	3		2	1	1					
	Total	60	22	38	1.727	22	14	8	1.750				
Ont.	1	19	6	13		6	3	3					
	2	173	59	114	1.932	59	34	25	1.360	6	5	1	
	3	25	8	17	2.125	8		8		1			
	Total	217	73	144	1.973	73	37	36	1.028	7	6	1	
Man.	1	3	1	2		1		1					
	2												
	Total	3	1	2		1		1					
Alta.	1	1	1			1	1						
	2												
	Total	1	1			1	1						
BC	1	2		2									
	2												
	Total	2		2									
Total		293	101	192	1.901	101	54	47	1.149	7	6	1	

**Table 9**  
Mallard age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1												
	2	1	1	1						1	1	1	
	Total	1	1	1						1	1	1	
PEI	1												
	Total	1	1	1						1	1	1	
NS	1												
	2	9	5	4						2	2	2	
	Total	11	5	6						3	1	2	
NB	1	6	4	2						5	4	1	
	2									5	3	2	
	Total	6	4	2						1	1	1	
Que.	1	150	109	41	.376	109	71	38	1.868	38	23	15	1.534
	2	6	5	1		4	3	1		1	1	1	
	Total	156	114	42	.368	113	74	39	1.897	39	23	16	1.437
Ont.	1	1,098	232	866	3.733	232	116	116	1.000	849	455	394	1.155
	2	1,734	283	1,451	5.127	281	107	174	0.615	1,415	710	705	1.007
	3	325	65	260	4.000	65	23	42	0.548	249	125	124	1.008
	Total	3,157	580	2,577	4.443	578	246	332	0.741	2,513	1,290	1,223	1.055
Man.	1	1,540	544	996	1.831	536	262	274	0.956	977	510	467	1.092
	2	218	55	163	2.964	53	25	28	0.893	157	86	71	1.211
	Total	1,758	599	1,159	1.935	589	287	302	0.950	1,134	596	538	1.107
Sask.	1	984	422	562	1.332	420	305	115	2.652	555	339	216	1.570
	2	662	224	438	1.955	220	116	104	1.115	430	227	203	1.119
	3	1,443	570	873	1.532	566	389	177	2.198	862	464	398	1.166
	Total	3,089	1,216	1,873	1.540	1,206	810	396	2.046	1,847	1,030	817	1.261
Alta.	1	944	395	549	1.390	392	285	107	2.664	544	335	209	1.603
	2	1,918	523	1,395	2.667	519	256	263	0.973	1,370	756	614	1.232
	Total	2,862	918	1,944	2.118	911	541	370	1.462	1,914	1,091	823	1.326
BC	1	562	154	408	2.649	151	67	84	0.798	401	228	173	1.318
	2	1,030	244	786	3.221	240	128	112	1.143	775	414	361	1.147
	Total	1,592	398	1,194	3.000	391	195	196	0.995	1,176	642	534	1.202
	Total	12,633	3,835	8,798	2.294	3,798	2,160	1,638	1.319	8,630	4,677	3,953	1.183

**Table 10**  
Black Duck age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	129	12	117	9.750	12	9	3		115	54	61	0.885
	2	20	10	10	1.000	10	8	2		10	5	5	
PEI	Total	149	22	127	5.773	22	17	5	3.400	125	59	66	0.894
	1	286	97	189	1.948	95	50	45	1.111	185	90	95	0.947
NS	Total	286	97	189	1.948	95	50	45	1.111	185	90	95	0.947
	1	364	69	295	4.275	69	44	25	1.760	295	138	157	0.879
NB	2	537	96	441	4.594	96	49	47	1.043	438	202	236	0.856
	Total	901	165	736	4.461	165	93	72	1.292	733	340	393	0.865
NB	1	487	90	397	4.411	90	31	59	0.525	396	163	233	0.700
	2	119	23	96	4.174	23	11	12	0.917	95	49	46	1.065
Que.	Total	606	113	493	4.363	113	42	71	0.592	491	212	279	0.760
	1	840	181	659	3.641	179	93	86	1.081	649	357	292	1.223
Ont.	2	187	52	135	2.596	52	33	19	1.737	133	58	75	0.773
	Total	1,027	233	794	3.408	231	126	105	1.200	782	415	367	1.131
Ont.	1	232	71	161	2.268	71	43	28	1.536	160	89	71	1.254
	2	740	128	612	4.781	128	62	66	0.939	606	356	250	1.424
Man.	3	239	44	195	4.432	44	24	20	1.200	193	97	96	1.010
	Total	1,211	243	968	3.984	243	129	114	1.132	959	542	417	1.300
Man.	1	3	2	1		2	1	1		1		1	
	2												
Sask.	Total	3	2	1		2	1	1		1		1	
	1	2	1	1		1	1			1		1	
Alta.	2	1		1						1		1	
	3	2	1	1		1	1			1		1	
Alta.	Total	5	2	3		2	2			3		3	
	1			1						1		1	
BC	2	1		1						1		1	
	Total	1		1						1		1	
BC	1	1		1						1		1	
	2												
BC	Total	1		1									
	1												
Total		4,190	877	3,313	3.778	873	460	413	1.114	3,280	1,662	1,618	1.027

**Table 11**  
Gadwall age and sex ratios

Prov.		Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
	Harvest stratum	Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Que.	1	6	5	1		5	2	3		1	1		
	2												
Ont.	Total	6	5	1		5	2	3		1	1		
	1	28	7	21	3.000	7	5	2		21	10	11	0.909
	2	13	2	11		2	2			11	7	4	
	3	1		1						1	1		
Man.	Total	42	9	33	3.667	9	7	2		33	18	15	1.200
	1	94	29	65	2.241	29	19	10	1.900	65	44	21	2.095
	2	5	4	1		4	2	2		1	1		
	Total	99	33	66	2.000	33	21	12	1.750	66	45	21	2.143
Sask.	1	53	11	42	3.818	11	7	4		42	20	22	0.909
	2	31	12	19	1.583	12	7	5		19	12	7	
	3	122	24	98	4.083	24	15	9	1.667	98	51	47	1.085
	Total	206	47	159	3.383	47	29	18	1.611	159	83	76	1.092
Alta.	1	175	29	146	5.034	29	10	19	0.526	146	82	64	1.281
	2	156	57	99	1.737	57	31	26	1.192	99	49	50	0.980
	Total	331	86	245	2.849	86	41	45	0.911	245	131	114	1.149
	1	6	1	5		1		1		5	2	3	
BC	2	13	2	11		2	2			11	5	6	
	Total	19	3	16		3	2	1		16	7	9	
Total		703	183	520	2.842	183	102	81	1.259	520	285	235	1.213

**Table 12**  
American Widgeon age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
PEI	1	6	5	1		5	5			1		1	
	Total	6	5	1		5	5			1		1	
NS	1	7	4	3		4	2	2		3	1	2	
	2	7	4	3		4	2	2		3	1	2	
NB	1	4	4			4	1	3					
	2												
Que.	1	49	8	41	5.125	8	4	4		41	28	13	2.154
	2	3		3						3	3		
	Total	52	8	44	5.500	8	4	4		44	31	13	2.385
Ont.	1	75	30	45	1.500	30	21	9	2.334	45	27	18	1.500
	2	56	14	42	3.000	14	10	4		42	19	23	0.826
	3	35	3	32	10.667	3				32	17	15	1.133
	Total	166	47	119	2.532	47	31	16	1.938	119	63	56	1.125
Man.	1	99	28	71	2.536	28	13	15	0.867	71	34	37	0.919
	2	16	4	12		4	3	1		12	6	6	
	Total	115	32	83	2.594	32	16	16	1.000	83	40	43	0.930
Sask.	1	35	2	33	16.500	2				33	21	12	1.750
	2	22	5	17	3.400	5	1	4		17	12	5	
	3	68	8	60	7.500	8	3	5		60	38	22	1.727
	Total	125	15	110	7.333	15	4	11		110	71	39	1.821
Alta.	1	127	20	107	5.350	20	6	14	0.429	107	52	55	0.945
	2	113	16	97	6.063	16	4	12		97	58	39	1.487
	Total	240	36	204	5.667	36	10	26	0.385	204	110	94	1.170
BC	1	180	25	155	6.200	25	13	12	1.083	155	77	78	0.987
	2	390	88	302	3.432	88	59	29	2.035	301	137	164	0.835
	Total	570	113	457	4.044	113	72	41	1.756	456	214	242	0.884
	Total	1,285	264	1,021	3.867	264	145	119	1.219	1,020	530	490	1.082

**Table 13**  
Green-winged Teal age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	72	10	62	6.200	10				60	15	45	0.333
	2	15	1	14		1				14	2	12	
	Total	87	11	76	6.909	11				74	17	57	0.298
PEI	1	187	59	128	2.169	59	23	36	0.639	126	35	91	0.385
	Total	187	59	128	2.169	59	23	36	0.639	126	35	91	0.385
NS	1	148	25	123	4.920	25	10	15	0.667	117	50	67	0.746
	2	143	35	108	3.086	35	19	16	1.188	108	49	59	0.831
	Total	291	60	231	3.850	60	29	31	0.936	225	99	126	0.786
NB	1	189	42	147	3.500	42	12	30	0.400	146	54	92	0.587
	2	71	14	57	4.071	14	7	7		56	23	33	0.697
	Total	260	56	204	3.643	56	19	37	0.514	202	77	125	0.616
Que.	1	159	71	88	1.239	71	32	39	0.821	87	36	51	0.706
	2	45	10	35	3.500	10	4	6		35	17	18	0.944
	Total	204	81	123	1.519	81	36	45	0.800	122	53	69	0.768
Ont.	1	135	39	96	2.462	39	19	20	0.950	94	45	49	0.918
	2	239	45	194	4.311	45	15	30	0.500	187	80	107	0.748
	3	42	4	38	9.500	4	1	3		38	24	14	1.714
	Total	416	88	328	3.727	88	35	53	0.660	319	149	170	0.877
Man.	1	116	31	85	2.742	31	13	18	0.722	84	51	33	1.546
	2	11	2	9		2				9	5	4	
	Total	127	33	94	2.848	33	13	20	0.650	93	56	37	1.514
Sask.	1	18	3	15		3	3			15	8	7	
	2	11	2	9		2	1	1		9	4	5	
	3	20	4	16	4.000	4	2	2		16	8	8	
	Total	49	9	40	4.444	9	6	3		40	20	20	1.000
Alta.	1	34	2	32	16.000	2				31	18	13	1.385
	2	42	6	36	6.000	6	4	2		36	10	26	0.385
	Total	76	8	68	8.500	8	4	4		67	28	39	0.718
BC	1	89	15	74	4.933	15	2	13		70	46	24	1.917
	2	500	75	425	5.667	74	17	57	0.298	412	175	237	0.738
	Total	589	90	499	5.544	89	19	70	0.271	482	221	261	0.847
	Total	2,286	495	1,791	3.618	494	184	310	0.594	1,750	755	995	0.759

**Table 14**  
Blue-winged Teal age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)				
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females
Nfld.	1	2		2						2	2	
	2											
PEI	Total	25	2	23	11.500	2	1	1		23	11	12
	1	25	2	23	11.500	2	1	1		23	11	12
NS	1	15	1	14		1				14	7	7
	2	65	9	56	6.222	9	5	4		56	25	31
NB	Total	80	10	70	7.000	10	5	5		70	32	38
	1	249	27	222	8.222	27	14	13	1.077	222	112	110
	2	32	4	28	7.000	4	2	2		27	15	12
Que.	Total	281	31	250	8.065	31	16	15	1.067	249	127	122
	1	156	140	16	.114	138	77	61	1.272	16	12	4
	2	3	3			3	1	2				
Ont.	Total	159	143	16	.112	141	78	63	1.238	16	12	4
	1	148	34	114	3.353	34	11	23	0.478	114	52	62
	2	507	88	419	4.761	88	27	61	0.443	418	201	217
	3	47	11	36	3.273	11	1	10		36	19	17
Man.	Total	702	133	569	4.278	133	39	94	0.415	568	272	296
	1	124	22	102	4.636	22	6	16	0.375	102	57	45
	2	15	5	10		5				10	4	6
Sask.	Total	139	27	112	4.148	27	6	21	0.286	112	61	51
	1	19	4	15		4	1	3		15	10	5
	2	37	12	25	2.083	12	2	10		25	15	10
	3	69	14	55	3.929	14	5	9		55	33	22
Alta.	Total	125	30	95	3.167	30	8	22	0.364	95	58	37
	1	37	4	33	8.250	4	1	3		33	19	14
	2	53	7	46	6.571	7	2	5		46	23	23
BC	Total	90	11	79	7.182	11	3	8		79	42	37
	1	25	4	21	5.250	4	1	3		21	11	10
	2	3		3						3	2	1
	Total	28	4	24	6.000	4	1	3		24	13	11
Total		1,631	391	1,240	3.171	389	157	232	0.677	1,238	630	608

**Table 15**  
Shoveler age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)				
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females
PEI	1	1				1				1		
	Total	1				1				1		
NS	1	2				3	1	2		1	1	
	Total	2				3				1		
Que.	1	28	9	19	2.111	9	6	3		19	9	10
	2	1		1								
Ont.	1	29	9	20	2.222	9	6	3		19	9	10
	2	12	3	9		3	1	2		9	7	2
	3	9	1	8		1	1			8	6	2
Man.	1	21	4	17	4.250	4	2	2		17	13	4
	2	53	5	48	9.600	5	2	3		48	24	24
	3	1		1						1		
Sask.	1	54	5	49	9.800	5	2	3		49	24	25
	2	47	5	42	8.400	5	5			42	18	24
	3	28	5	23	4.600	5	3	2		23	10	13
Alta.	1	55	1	54	54.000	1	1			54	36	18
	2	130	11	119	10.818	11	9	2		119	64	55
	3											
BC	1	57	5	52	10.400	5	1	4		52	26	26
	2	82	11	71	6.455	11	5	6		71	36	35
	Total	139	16	123	7.688	16	6	10		123	62	61
	1	31		31						31	17	14
	2	48	3	45	15.000	3	2	1		45	30	15
	Total	79	3	76	25.333	3	2	1		76	47	29
	Total	456	49	407	8.306	49	28	21	1.333	406	221	185

**Table 16**  
Pintail age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)					
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	3		3					3				
	2	2	1	1		1	1	1	1	1	1	1	
	Total	5	1	4		1	1	1	4	1	1	3	
PEI	1	15	2	13		2	1	1	13	6	7		
	Total	15	2	13		2	1	1	13	6	7		
NS	1	5	1	4		1		1	4	2	2		
	2	13	3	10		3	2	1	10	4	6		
	Total	18	4	14		4	2	2	14	6	8		
NB	1	13	3	10		3	1	2	10	5	5		
	2	5	1	4		1		1	4	1	3		
	Total	18	4	14		4	1	3	14	6	8		
Que.	1	49	45	4	.089	45	26	19	1.368	3	2	1	
	2	3	2	1		2	2		1	1			
	Total	52	47	5	.106	47	28	19	1.474	4	3	1	
Ont.	1	48	20	28	1.400	20	14	6	2.333	28	17	11	1.546
	2	48	9	39	4.333	9	7	2		39	10	29	0.345
	3	17	1	16		1		1	16	11	5		
	Total	113	30	83	2.767	30	21	9	2.333	83	38	45	0.844
Man.	1	143	31	112	3.613	31	10	21	0.476	112	55	57	0.965
	2	20	3	17	5.667	3	1	2		17	12	5	
	Total	163	34	129	3.794	34	11	23	0.478	129	67	62	1.081
Sask.	1	87	18	69	3.833	18	8	10		69	30	39	0.769
	2	31	3	28	9.333	3	1	2		28	14	14	1.000
	3	92	21	71	3.381	21	3	18	0.167	71	30	41	0.732
	Total	210	42	168	4.000	42	12	30	0.400	168	74	94	0.787
Alta.	1	250	59	191	3.237	59	34	25	1.360	191	102	89	1.146
	2	200	41	159	3.878	41	14	27	0.519	159	87	72	1.208
	Total	450	100	350	3.500	100	48	52	0.923	350	189	161	1.174
BC	1	159	21	138	6.571	21	4	17	0.235	138	64	74	0.865
	2	599	128	471	3.680	128	51	77	0.662	471	246	225	1.093
	Total	758	149	609	4.087	149	55	94	0.585	609	310	299	1.037
<b>Total</b>		1,802	413	1,389	3.363	413	179	234	0.765	1,388	700	688	1.017

**Table 17**  
Wood Duck age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
PEI	1	1		1					1		1		
	Total	1	1	1					1	1	1		
NS	1	5		3		4		2		3	2	1	2
	2	6		4		2		2		4	2	1	2
	Total	11	7	4					7	4	3		
NB	1	50	20	30	1.500				20	15	5	3.000	
	2	50	20	30	1.500				20	15	5	3.000	
Que.	1	155	58	97	1.672				58	31	27	1.148	
	2	6		6					6	4	2		
	Total	161	64	97	1.516				64	35	29	1.207	
Ont.	1	192	56	136	2.429				56	31	25	1.240	
	2	683	169	514	3.041				169	120	49	2.449	
	3	47	16	31	1.938				16	13	3		
	Total	922	241	681	2.826				241	164	77	2.130	
Man.	1	3	2	1					2	2			
	2	7	3	4					3	1	2		
	Total	3	2	1					2	2			
BC	1	7	3	4					3	1	2		
	2	22	7	15	2.143				7	2	5		
	Total	29	10	19	1.900				10	3	7		
	Total	1,177	345	832	2.412				345	224	121	1.851	
										832	465	367	1.267

**Table 18**  
Redhead age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Que.	1	13	3	10					3		3		
	2	13	3	10					3		3		
	Total	13	3	10					3		3		
Ont.	1	169	43	126	2.930				43	25	18	1.389	
	2	80	19	61	3.211				19	12	7		
	3	10	1	9					1		1		
	Total	259	63	196	3.111				63	37	26	1.423	
Man.	1	65	7	58	8.286				7	4	3		
	2	2		2					2		1		

**Table 19**  
Canvasback age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Que.	1	6	2	4		2	1	1		4	4		
	2												
	Total	6	2	4		2	1	1		4	4		
Ont.	1	60	14	46	3.286	14	7	7		46	35	11	3.182
	2	14		14						14	11	3	
	3	9	3	6		3	3			6	5	1	
	Total	83	17	66	3.882	17	10	7		66	51	15	3.400
Man.	1	39	5	34	6.800	5	3	2		34	22	12	1.833
	2												
	Total	39	5	34	6.800	5	3	2		34	22	12	1.833
Sask.	1	10	3	7		3	2	1		7	3	4	
	2	9	1	8		1				8	6	2	
	3	31	6	25	4.167	6	5	1		25	15	10	1.500
	Total	50	10	40	4.000	10	7	3		40	24	16	1.500
Alta.	1	15	5	10		5	3	2		10	5	5	
	2	11	1	10		1				10	7	3	
	Total	26	6	20	3.333	6	3	3		20	12	8	1.500
BC	1	4	1	3		1	1			3	3		
	2	5		5						5	5		
	Total	9	1	8		1	1			8	8		
	Total	213	41	172	4.195	41	25	16	1.563	172	121	51	2.373

**Table 20**  
Greater Scaup age and sex ratios

Prov.	Harvest stratum	Age ratio (immature per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	1	2										
	2												
	Total	2	2										
NS	1	1	1										
	2	1	1	1									
	Total	2	1	1									
NB	1	11	7	4									
	2	11	7	4									
	Total	11	7	4									
Que.	1	91	50	41	.820	49	19	30	0.633	41	24	17	1.412
	2	3		3						3	1	2	
	Total	94	50	44	.880	49	19	30	0.633	44	25	19	1.316
Ont.	1	195	55	140	2.545	55	21	34	0.618	140	72	68	1.059
	2	180	56	124	2.214	55	16	39	0.410	124	73	51	1.431
	3	50	4	46	11.500	4		4		46	25	21	1.191
	Total	425	115	310	2.696	114	37	77	0.481	310	170	140	1.214
Man.	1	10		10						10	6	4	
	2									10	6	4	
	Total	10		10									
Sask.	1												
	2												
	3	2	1	1		1		1		1	1	1	
	Total	2	1	1		1		1		1	1	1	
Alta.	1												
	2	1		1						1		1	
	Total	1	1	1		1		1		1	1	1	
BC	1	4	1	3									
	2	7		7							7	6	1
	Total	11	1	10		1		1		1	10	7	3
	Total	558	175	383	2.189	171	56	115	0.487	383	210	173	1.214

**Table 21**  
Lesser Scaup age and sex ratios

Prov.	Harvest stratum	Age ratio (immatures per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)					
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	1		1						1	1		
	2									1	1	2	
NS	Total	1	2		1					2	1	2	
	1									2			
NB	Total	2		2						2			
	1	14	4	10		4	2	2		10	3	7	
Que.	2												
	Total	14	4	10		4	2	2		10	3	7	
Ont.	1	66	20	46	2.300	20	10	10	1.000	46	24	22	1.091
	2	11	1	10		1	1			10	5	5	
Man.	Total	77	21	56	2.667	21	11	10	1.100	56	29	27	1.074
	1	119	51	68	1.333	51	29	22	1.318	68	26	42	0.619
Sask.	2	162	49	113	2.306	49	26	23	1.130	111	58	53	1.094
	3	94	24	70	2.917	24	11	13	0.846	70	34	36	0.944
Alta.	Total	375	124	251	2.024	124	66	58	1.138	249	118	131	0.901
	1	226	75	151	2.013	75	35	40	0.875	151	90	61	1.475
BC	2	20	3	17	5.667	3	3			17	7	10	
	Total	246	78	168	2.154	78	38	40	0.950	168	97	71	1.366
Total	1	6	2	4		2	2			4	2	2	
	2	7	3	4		3	3			4	1	3	
Total	3	67	23	44	1.913	23	9	14	0.643	44	26	18	1.444
	1	80	28	52	1.857	28	14	14	1.000	52	29	23	1.261
Total	2	32	8	24	3.000	8	5	3		24	12	12	1.000
	2	55	26	29	1.115	26	14	12	1.167	29	17	12	1.417
Total	1	87	34	53	1.559	34	19	15	1.267	53	29	24	1.208
	2	9	3	6		3				6	2	4	
Total	2	7	2	5		2	1	1		5	4	1	
	Total	16	5	11		5	1	4		11	6	5	
Total		898	294	604	2.054	294	151	143	1.056	602	312	290	1.076

**Table 22**  
Ring-necked Duck age and sex ratios

Prov.	Harvest stratum	Age ratio (immatures per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	13	3	10						3	1	2	
	2												
PEI	Total	13	3	10						3	1	2	
	1	7	2	5						2			
NS	Total	7	2	5						2			
	1	11	1	10						1			
NB	2	17	3	14						3			
	Total	28	4	24	6.000					4			
Que.	1	110	47	63	1.340					47	18	29	0.621
	2	5	2	3						2	1	1	
Ont.	Total	115	49	66	1.347					49	19	30	0.633
	1	108	35	73	2.086					35	23	12	1.917
Man.	2	10	5	5						5	4	1	
	Total	118	40	78	1.950					40	27	13	2.077
Ont.	1	30	10	20	2.000					10	6	4	
	2	423	120	303	2.525					118	76	42	1.810
Sask.	3	156	26	130	5.000					26	13	13	1.000
	Total	609	156	453	2.904					154	95	59	1.610
Man.	1	60	15	45	3.000					15	10	5	
	2	15		15							9	8	1
Sask.	Total	75	15	60	4.000					15	10	5	
	1			1									
Alta.	2	2		2									
	Total	3	3	3									
BC	1	4		4									
	2	1		1									
BC	Total	5		5									
	1	10	1	9						1	1		
BC	2	2		2									
	Total	12	1	11						1	1		
		985	270	715	2.648					268	153	115	1.330
										450	258	192	1.344

**Table 23**  
Common Goldeneye age and sex ratios

Prov.	Harvest stratum	Age ratio (immatures per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)			
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	38	7	31	4.429	7	6	1		29	17	12	1.417
	2	3		3						3	2	1	
	Total	41	7	34	4.857	7	6	1		32	19	13	1.462
PEI	1	10	3	7		3	2	1		7	5	2	
	Total	10	3	7		3	2	1		7	5	2	
NS	1	30	12	18	1.500	12	9	3		17	9	8	
	2	20	12	8	.667	12	8	4		8	7	1	
	Total	50	24	26	1.083	24	17	7	2.429	25	16	9	1.778
NB	1	124	65	59	.908	65	55	10	5.500	59	36	23	1.565
	2	13	5	8		5	2	3		6	3	3	
Que.	Total	137	70	67	.957	70	57	13	4.385	65	39	26	1.500
	1	238	106	132	1.245	106	71	35	2.029	129	66	63	1.048
	2	47	2	45	22.500	2		2		42	20	22	0.909
Ont.	Total	285	108	177	1.639	108	71	37	1.919	171	86	85	1.012
	1	109	48	61	1.271	48	31	17	1.824	61	45	16	2.813
	2	274	141	133	.943	141	85	56	1.518	130	86	44	1.955
Man.	3	84	22	62	2.818	22	13	9	1.444	62	43	19	2.263
	Total	467	211	256	1.213	211	129	82	1.573	253	174	79	2.203
	1	12	1	11		1		1		11	7	4	
Sask.	2	6	3	3		3		3		3	1	2	
	Total	18	4	14		4		4		14	8	6	
	1									3	3		
Alta.	2									3	1	2	
	3									6	4	2	
	Total	6		6						6	4	2	
BC	1	9	6	3		6	3	3		3	1	2	
	2	5		5						5	2	3	
	Total	14	6	8		6	3	3		8	3	5	
	1	8	3	5		3	2	1		5	2	3	
	2	3		3						3	2	1	
	Total	11	3	8		3	2	1		8	4	4	
Total		1,039	436	603	1.383	436	287	149	1.926	589	358	231	1.550

**Table 24**  
Barrow's Goldeneye age and sex ratios

Prov.	Harvest stratum	Age ratio (immatures per adult)				Adult sex ratio (males per female)				Immature sex ratio (males per female)				
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio	
NS	1	1	1	1						1	1	1		
	2	1	1	1						1	1	1		
	Total	2	2	2						2	1	1		
NB	1	6	4	2						4	3	1		
	2	5	4	1						3	2	1		
	Total	11	8	3						7	5	2		
Que.	1	6	3	3						3	3			
	2	6	4	2						4	1	3		
	Total	12	7	5						7	1	6		
Ont.	1	2	1	1						1	1			
	2	1	1	1						1	1			
	Total	3	1	2						1	1			
Alta.	1	1	1	1						1	1			
	2									1	1			
	Total	1	1	1						1	1			
BC	1	38	1	37	37.000		1	1			36	24	12	2.000
	2	7	1	6			1	1			6	5	1	
	Total	45	2	43	21.500		2	1	1		42	29	13	2.231
	Total	74	21	53	2.524		20	10	10	1.000	51	33	18	1.833

**Table 25**  
Bufflehead age and sex ratios

Prov.	Harvest stratum	Age ratio (immatures per adult)			Adult sex ratio (males per female)			Immature sex ratio (males per female)					
		Sample	Adults	Immatures	Ratio	Sample	Males	Females	Ratio	Sample	Males	Females	Ratio
Nfld.	1	1	1			1	1						
	2												
NS	Total	1	1	9		1	1			9	3	6	
	1	11	2	9		2	2			4	2	2	
	2	6	2	4		2	1	1		13	5	8	
NB	Total	17	4	13		4	3	1		6	1	5	
	1	6		6									
	2												
Que.	Total	6		6						6	1	5	
	1	30	19	11	.579	19	13	6		11	7	4	
	2	1		1						1		1	
Ont.	Total	31	19	12	.632	19	13	6		12	7	5	
	1	187	83	104	1.253	82	60	22	2.727	103	52	51	1.020
	2	191	77	114	1.481	77	55	22	2.500	109	58	51	1.137
Man.	3	66	30	36	1.200	30	14	16	0.875	34	20	14	1.429
	Total	444	190	254	1.337	189	129	60	2.150	246	130	116	1.121
	1	17	8	9		8	5	3		8	5	3	
Sask.	2												
	Total	17	8	9		8	5	3		8	5	3	
	1	4	3	1		3	3			1		1	
Alta.	2												
	3	2	1	1		1		1		1	1	1	
	Total	6	4	2		4	3	1		2	1	1	
BC	1	3	2	1		2	1	1		1		1	
	2	6	2	4		2	2			3	3		
	Total	9	4	5		4	3	1		4	3	1	
Total	1	22	11	11	1.000	11	3	8		11	5	6	
	2	15	11	4		11	9	2		4	2	2	
	Total	37	22	15	.682	22	12	10	1.200	15	7	8	
Total		568	252	316	1.254	251	169	82	2.061	306	159	147	1.082

**Table 26**  
Ruddy Duck age ratios\*

Prov.	Harvest stratum	Age ratio (immatures per adult)		
		Sample	Adults	Immatures
Ont.	1	12	3	9
	2	4	3	1
Man.	3	1		1
	Total	17	6	11
	1	5	1	4
Sask.	Total	5	1	4
	1	1		1
	2			
Alta.	3	1		1
	Total	2		2
	1	1	1	
BC	2	5	2	3
	Total	6	3	3
	1			
Total	2	1	1	
	Total	1	1	
Total		31	11	20
				1.818

\* Wings of this species cannot be identified as to sex.