



Report on 1977 sales of the Canada Migratory Game Bird Hunting Permit, waterfowl harvest, and hunter activity

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Introduction

The National Harvest Survey is conducted each year to estimate the kill of migratory game birds by sport hunters in Canada. The surveys are intended to provide accurate data on the legal sport kill. Estimates of crippling loss, illegal kill, and hunting by native peoples are not included in the estimates presented.

In 1977, 8% of the 521 000 licensed migratory game bird hunters were sampled, and 54% of those sampled returned questionnaires for use in the survey. Although interest in sport hunting of migratory game birds continued to rise in Canada, success rates fell in 1977. The kill of ducks declined by 11.5% and geese by 3.1% from 1976, probably as a result of reduced fall flights out of western Canada.

Methods

The number of migratory game bird hunters in Canada is determined from the sale of Migratory Game Bird Hunting Permits (MGBHP). Estimates of the sport kill of migratory game birds are derived from a sample of licensed hunters surveyed by means of questionnaires in the National Harvest Survey (NHS). The methods employed in conducting the NHS are described in a separate publication (CWS Report Series No. 43). The purpose of this note is to make the results of the 1977 survey available. Only recent developments and changes from the 1976 survey will be described here.

Seven days after the initial mailing of questionnaires, we sent an experimental reminder card to half of the 1977 NHS sample to determine its effect on the response rate. We also conducted an additional survey in 1977 to find out why some hunters buy a permit but do not go hunting. The discrepancy between the number of potential hunters and the proportion that are active will be reported elsewhere.

Results

In 1977, sales of MGBHP increased by 35 760, a rise of 7.4% over 1976, resulting in record sales of over 520 500 permits (Table 1). Only in Manitoba and Saskatchewan were fewer permits sold than in 1976, while sales increased by close to 20% in Newfoundland, Nova Scotia, and Yukon Territory, and by 8-10% in Alberta, Ontario, Quebec, and PEI. Permit sales to non-residents remained the same as in 1976 at just under 20 000 (Table 2).

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Of the 41 859 migratory game bird hunters contacted in the 1977 survey, 22 896 returned questionnaires (Table 3), showing a considerable improvement in the response rate from 48.0% in 1976 to 54.7% in 1977. We believe this to be due to the use of the reminder card following the mailing of the questionnaires.

More usable responses were available in the 1977 survey than before (Table 4). The numbers of questionnaires returned from hunters who bought permits in 1977 and those who reported hunting, as well as those who were successful in 1977, created the largest sample ever for use in estimating the duck and goose kill. With the larger sample, the standard error was reduced in many of the estimates (Table 5).

Despite this larger sample of hunters responding to the 1977 survey, the reported kill of both ducks and geese had dropped considerably from the 1976 levels (Table 6). In the Prairie Provinces alone, almost one-half million fewer ducks were shot in 1977 according to the NHS. The change was not unexpected, because the fall flights of a number of species were down as a result of drought conditions earlier in the season. This is also a likely reason for the decline in the duck kill in the Northwest Territories and the Yukon. Fewer ducks were estimated in the kill of Ontario, New Brunswick, and PEI as well. The two largest duck-kill provinces — Alberta and Ontario — both showed substantially lower kills in 1977. Overall the duck harvest was down in 8 of the 12 provinces and territories of Canada, resulting in a drop of 11.5% from 1976 and a national duck harvest of 3.7 million compared to 4.2 million in 1976.

The national goose kill was 3.1% below the 1976 level (Table 6). A decline in the kill estimate for Saskatchewan (the province with the largest sport kill of geese in Canada) by 18% had a strong influence on the national total. In Manitoba and Saskatchewan combined, nearly 50 000 fewer geese were estimated in the 1977 kill; a reduction of 20% from 1976. For other provinces, including Quebec, Ontario, and Alberta, estimates were higher in 1977. Overall the balance was tipped downwards resulting in just over 500 000 geese estimated for the 1977 sport harvest compared with 520 000 in 1976.

Although the kill of both ducks and geese declined in 1977, the number of recreation days associated with waterfowl hunting remained very close to the 1976 level of 3.1 million days (Table 7).

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Table 1
Permit sales by province of purchase, 1977

Category	Year	Nfld.	PEI	NS	NB	Que.	Ont.	Man.	Sask.	Alta.	BC	NWT	Yukon	Total sales
Canadian res.		36 164	6 125	15 665	13 912	72 296	148 259	42 508	55 737	81 124	28 117	898	600	501 405
Non-res.		24	33	79	297	532	8 636	3 930	4 292	1 051	240	4	7	19 125
Total	1977	36 188	6 158	15 744	14 209	72 828	156 895	46 438	60 029	82 175	28 357	902	607	520 530
	1976	29 621	5 756	13 326	13 743	66 453	143 816	46 681	61 669	75 739	26 561	893	513	471 320
	1975	30 115	4 963	13 990	12 930	63 768	148 670	42 846	57 723	69 191	25 918	721	485	434 162
	1974	25 127	5 038	13 791	11 916	58 345	136 469	37 167	51 504	66 127	27 764	591	323	452 841
	1973	27 919	4 972	15 071	12 869	57 247	141 277	41 711	51 307	67 012	33 456	—	—	421 677
	1972	23 682	4 492	12 158	11 336	53 082	131 427	41 133	50 004	63 309	31 032	—	—	418 237
	1971	23 460	4 513	11 381	11 146	50 276	133 563	40 960	49 448	62 902	30 225	—	—	405 650
	1970	21 347	3 926	9 926	10 293	46 009	135 231	39 230	47 722	59 986	31 350	—	—	389 325
	1969	19 089	3 794	8 848	10 110	39 477	134 037	41 611	45 347	53 602	32 764	—	—	385 553
	1968	17 645	3 649	9 022	9 558	37 110	139 182	38 712	43 596	53 623	33 301	—	—	383 032
	1967	14 863	3 094	7 883	7 739	32 491	146 493	35 620	44 651	55 892	33 195	—	—	380 059
	1966	13 269	3 271	7 220	8 535	35 868	144 063	37 784	44 744	52 911	32 394	—	—	

Table 2
Permit sales by resident/non-resident and renewal/non-renewal by province and zone of sale for 1977

Prov.	Survey stratum	Total permit sales			Renewals			Non-renewals		
		Total	Res.	Non-res.	Total	Res.	Non-res.	Total	Res.	Non-res.
Nfld.	1	32 788	32 764	24	24 454	24 444	10	8 334	8 320	14
	2	3 400	3 400	—	2 685	2 685	—	715	715	—
	Total	36 188	36 164	24	27 139	27 129	10	9 049	9 035	14
PEI	Total	6 158	6 125	33	4 890	4 874	16	1 268	1 251	17
NS	1	9 986	9 917	69	7 894	7 858	36	2 092	2 059	33
	2	5 758	5 748	10	4 184	4 178	6	1 574	1 570	4
	Total	15 744	15 665	79	12 078	12 036	42	3 666	3 629	37
NB	1	9 785	9 575	210	7 290	7 154	136	2 495	2 421	74
	2	4 424	4 337	87	3 221	3 171	50	1 203	1 166	37
	Total	14 209	13 912	297	10 511	10 325	186	3 698	3 587	111
Que.	1	57 148	56 785	363	44 372	44 105	267	12 776	12 680	96
	2	15 680	15 511	169	11 040	10 924	116	4 640	4 587	53
	Total	72 828	72 296	532	55 412	55 029	383	17 416	17 267	149
Ont.	1	43 954	40 544	3 410	35 911	33 277	2 634	8 043	7 267	776
	2	84 298	83 460	838	70 458	69 896	562	13 840	13 564	276
	3	28 643	24 255	4 388	20 996	18 450	2 546	7 647	5 805	1 842
	Total	156 895	148 259	8 636	127 365	121 623	5 742	29 530	26 636	2 894
Man.	1	37 453	34 238	3 215	32 137	30 067	2 070	5 316	4 171	1 145
	2	8 985	8 270	715	7 355	6 976	379	1 630	1 294	336
	Total	46 438	42 508	3 930	39 492	37 043	2 449	6 946	5 465	1 481
Sask.	1	22 082	20 625	1 457	17 197	16 390	807	4 885	4 235	650
	2	11 853	11 511	342	9 067	8 846	221	2 786	2 665	121
	3	26 094	23 601	2 493	19 925	18 368	1 557	6 169	5 233	936
	Total	60 029	55 737	4 292	46 189	43 604	2 585	13 840	12 133	1 707
Alta.	1	31 644	30 996	648	22 779	22 440	339	8 865	8 556	309
	2	50 531	50 128	403	35 764	35 589	175	14 767	14 539	228
	Total	82 175	81 124	1 051	58 543	58 029	514	23 632	23 095	537
BC	1	13 060	12 875	185	9 263	9 201	62	3 797	3 674	123
	2	15 297	15 242	55	11 934	11 915	19	3 363	3 327	36
	Total	28 357	28 117	240	21 197	21 116	81	7 160	7 001	159
NWT	Total	902	898	4	554	553	1	348	345	3
Yukon	Total	607	600	7	334	334	—	273	266	7
Total		520 530	501 405	19 125	403 704	391 695	12 009	116 826	109 710	7 116

Table 3
Sample selection and response to the Harvest Survey questionnaire, 1977

Prov.	Stratum	Characteristics of sample							
		Contacts ^a	Responses ^b	% ^c	Permit purchasers ^d	Active hunters	% ^e	Successful hunters	% ^f
Nfld.	1	2 931	1 286	43.9	964	652	67.6	458	47.5
	2	828	281	33.9	239	178	74.5	133	55.6
	Total	3 759	1 567	41.7	1 203	830	69.0	591	49.1
PEI	Total	1 037	343	33.1	286	242	84.6	204	71.3
NS	1	1 504	799	53.1	625	501	80.2	428	68.5
	2	1 310	807	61.6	590	503	85.3	406	68.8
	Total	2 814	1 606	57.1	1 215	1 004	82.6	834	68.6
NB	1	1 989	1 162	58.4	907	717	79.1	555	61.2
	2	1 271	622	48.9	454	297	65.4	240	52.9
	Total	3 260	1 784	54.7	1 361	1 014	74.5	795	58.4
Que.	1	3 195	2 109	66.0	1 624	1 349	83.1	1 221	75.2
	2	1 709	1 018	59.6	743	534	71.9	459	61.8
	Total	4 904	3 127	63.8	2 367	1 883	79.6	1 680	71.0
Ont.	1	2 986	1 798	60.2	1 434	1 110	77.4	851	59.3
	2	1 581	915	57.9	745	631	84.7	509	68.3
	3	2 637	1 511	57.3	1 231	946	76.8	768	62.4
	Total	7 204	4 224	58.6	3 410	2 687	78.8	2 128	62.4
Man.	1	2 505	1 667	66.5	1 321	1 144	86.6	881	66.7
	2	1 262	673	53.3	552	447	81.0	383	69.4
	Total	3 767	2 340	62.1	1 873	1 591	84.9	1 264	67.5
Sask.	1	1 379	750	54.4	572	476	83.2	410	71.7
	2	1 995	895	44.9	721	586	81.3	527	73.1
	3	2 091	1 095	52.4	850	729	85.8	652	76.7
	Total	5 465	2 740	50.1	2 143	1 791	83.6	1 589	74.1
Alta.	1	2 010	1 105	55.0	823	661	80.3	569	69.1
	2	3 693	1 798	48.7	1 444	1 164	80.6	1 051	72.8
	Total	5 703	2 903	50.9	2 267	1 825	80.5	1 620	71.5
BC	1	1 221	740	60.6	549	414	75.4	366	66.7
	2	1 585	874	55.1	637	513	80.5	473	74.3
	Total	2 806	1 614	57.5	1 186	927	78.2	839	70.7
NWT	Total	665	347	52.2	284	183	64.4	152	53.5
Yukon	Total	475	301	63.4	238	142	59.7	116	48.7
Total		41 859	22 896	54.7	17 833	14 119	79.2	11 812	66.2

Table 4
Sample selection and response to the Harvest Survey questionnaire, 1972-77

Year	Permit sales	Contacts ^a	% ^b	Responses ^c	% ^d	Permit purchasers ^e	% ^f	Active hunters	% ^g	Successful hunters	% ^h
1972	421 677	25 851	6.1	15 400	59.6	11 796	76.6	9 199	78.0	7 107	60.2
1973	452 841	26 125	5.8	13 461	51.5	10 761	79.9	8 472	78.7	6 912	64.2
1974	434 162	28 845	6.6	15 594	54.1	11 747	75.3	9 611	81.8	8 013	68.2
1975	471 320	37 109	7.9	20 648	55.6	15 872	76.9	12 980	81.8	11 170	70.4
1976	484 771	42 457	8.8	20 397	48.0	15 729	77.1	12 805	81.4	10 999	69.9
1977	520 530	41 859	8.0	22 896	54.7	17 833	77.9	14 119	79.2	11 812	66.2
Average	464 217	33 708	7.3	18 066	53.5	13 956	77.3	11 198	80.2	9 336	66.9

^aContacts are questionnaires that have been successfully delivered.
^bContacts as a percent of permit sales.
^cResponses are questionnaires that have been completed and returned.
^dPercent of contacts for which responses were received.

^eRespondents who bought a permit in 1976 (usable responses).
^fPercent of respondents that bought a permit.
^gPercent of permit purchasers that actively hunted.
^hPercent of permit purchasers that hunted successfully.

^aContacts are questionnaires that have been successfully delivered.
^bResponses are questionnaires that have been completed and returned.
^cPercent of contacts for which responses were received.

^dRespondents who bought a permit in 1976 (usable responses).
^ePercent of permit purchasers that actively hunted.
^fPercent of permit purchasers that hunted successfully.

Table 5
Ninety percent confidence intervals on duck and goose
kill estimates from the National Harvest Survey 1974-77

Province	Year	Respondents	Active waterfowl hunters		Duck harvest		Goose harvest	
			Estimate	Conf. interval (%)	Estimate	Conf. interval (%)	Estimate	Conf. interval (%)
Nfld.	1974	861	17 482	± 5.4	103 837	±23.6	8 222	±24.9
	1975	1 307	19 580	± 4.6	101 696	±11.2	8 152	±24.1
	1976	1 070	19 284	± 4.8	98 397	±13.1	8 455	±22.9
	1977	1 203	24 421	± 3.6	132 888	±11.1	12 560	±19.6
PEI	1974	305	4 400	± 6.8	31 417	±17.2	11 321	±26.4
	1975	344	4 204	± 6.5	28 445	±15.2	6 354	±24.9
	1976	270	4 903	± 6.9	37 439	±16.4	18 196	±23.0
	1977	286	5 309	± 5.2	30 191	±15.2	18 653	±18.8
NS	1974	921	11 010	± 5.0	105 483	±13.6	5 160	±27.6
	1975	1 083	10 989	± 4.1	117 994	±10.5	9 431	±24.9
	1976	996	10 876	± 4.3	117 857	±10.6	10 954	±20.7
	1977	1 215	12 213	± 3.3	134 511	± 9.7	8 919	±19.9
NB	1974	779	9 145	± 5.1	58 723	±12.7	3 073	±33.9
	1975	949	9 214	± 5.3	59 062	±12.7	2 990	±36.2
	1976	1 203	9 821	± 4.1	68 593	± 9.7	6 538	±27.9
	1977	1 361	10 036	± 3.1	53 849	± 8.6	2 499	±25.6
Que.	1974	1 515	51 280	± 3.6	569 656	± 9.8	53 796	±16.6
	1975	1 587	51 705	± 3.6	467 892	± 8.9	52 223	±17.1
	1976	1 974	53 002	± 3.2	602 901	± 7.4	53 238	±17.8
	1977	2 367	58 272	± 2.6	631 242	± 7.1	72 002	±12.2
Ont.	1974	2 129	106 328	± 2.7	811 571	± 6.4	47 634	±19.2
	1975	2 928	114 870	± 2.7	938 303	± 6.1	50 773	±19.1
	1976	3 072	110 499	± 2.7	976 419	± 6.3	50 408	±17.7
	1977	3 410	122 346	± 2.0	913 317	± 5.9	66 854	±15.1
Man.	1974	1 131	33 009	± 3.5	249 590	± 8.1	88 518	±12.4
	1975	1 793	38 368	± 2.5	299 222	± 6.2	152 394	± 7.0
	1976	1 688	42 217	± 2.5	352 343	± 6.1	98 505	± 8.5
	1977	1 873	39 493	± 2.1	259 411	± 6.2	76 044	± 8.9
Sask.	1974	1 473	49 315	± 2.9	699 662	± 6.5	91 034	±10.8
	1975	2 072	55 507	± 2.4	807 296	± 5.1	157 146	± 7.5
	1976	1 988	57 808	± 2.5	807 844	± 5.1	147 985	± 8.3
	1977	2 143	52 492	± 2.0	508 758	± 5.3	121 862	± 7.9
Alta.	1974	1 330	63 859	± 3.0	1 014 273	± 7.3	93 184	±13.7
	1975	2 405	59 840	± 2.7	850 709	± 5.2	120 481	± 9.1
	1976	2 049	65 310	± 2.6	886 552	± 5.7	112 673	± 9.8
	1977	2 267	67 224	± 2.0	781 111	± 5.5	113 419	± 9.9
BC	1974	892	18 941	± 3.8	210 945	± 6.2	11 566	±34.4
	1975	1 033	17 030	± 5.1	236 223	± 9.2	12 783	±20.9
	1976	1 003	17 375	± 5.2	231 203	±12.3	11 490	±22.2
	1977	1 186	18 751	± 4.0	259 605	± 8.5	11 099	±18.7

Table 5 (cont'd)
Ninety percent confidence intervals on duck and goose
kill estimates from the National Harvest Survey 1974-77

Province	Year	Respondents	Active waterfowl hunters		Duck harvest		Goose harvest	
			Estimate	Conf. interval (%)	Estimate	Conf. interval (%)	Estimate	Conf. interval (%)
NWT	1974	169	526	±47.9	5 269	±24.1	375	±78.1
	1975	193	1 156	±28.3	9 541	±46.4	1 634	—
	1976	242	2 131	±17.7	29 173	±27.0	1 726	±73.2
	1977	284	1 886	±17.0	20 778	±29.8	496	±60.7
Yukon	1974	283	215	±36.3	1 097	±26.0	93	±56.0
	1975	178	467	±19.7	5 003	±40.3	424	±91.1
	1976	174	409	±12.7	3 903	±23.1	241	±49.2
	1977	238	424	±12.0	3 075	±22.4	161	±69.6
Total	1974	11 747	365 516	± 1.2	3 861 529	± 3.3	413 985	± 5.8
	1975	15 872	382 935	± 1.1	3 921 392	± 2.5	574 790	± 4.2
	1976	15 729	393 635	± 1.1	4 212 624	± 2.5	520 409	± 4.5
	1977	17 833	412 874	± 0.8	3 728 741	± 2.5	504 573	± 4.3

Table 6
Number of successful hunters and birds harvested
1974-77

Species group	Survey stratum	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1975	1976	1977	1975	1976	1977	1975	1976	1977
Newfoundland										
Ducks	1	11 249	10 048	13 950	80 957	76 267	101 211	7.20	7.59	7.25
	2	1 458	1 429	1 936	20 738	22 130	31 676	14.22	15.47	16.36
	Total	12 707	11 478	15 886	101 695	98 397	132 888	8.00	8.57	8.36
Geese	1	1 977	1 832	2 404	4 562	5 815	7 784	2.31	3.17	3.24
	2	674	542	1 046	3 588	2 640	4 776	5.32	4.87	4.56
	Total	2 651	2 374	3 451	8 150	8 455	12 560	3.07	3.56	3.64
Prince Edward Island										
Ducks	1	3 040	3 577	3 744	28 445	37 439	30 191	9.36	10.47	8.06
	Total	3 040	3 577	3 744	28 445	37 439	30 191	9.36	10.47	8.06
Geese	1	1 501	2 612	2 852	6 354	18 196	18 653	4.23	6.97	6.54
	Total	1 501	2 612	2 852	6 354	18 196	18 653	4.23	6.97	6.54
Nova Scotia										
Ducks	1	4 816	5 287	5 483	78 556	84 896	96 830	16.31	16.06	17.66
	2	3 706	3 330	3 992	39 438	32 961	37 681	10.64	9.90	9.44
	Total	8 522	8 617	9 475	117 994	117 857	134 511	5.25	13.68	14.20
Geese	1	1 276	1 440	1 207	6 710	7 622	5 036	5.25	5.29	4.17
	2	916	834	939	2 718	3 331	3 883	2.96	3.99	4.13
	Total	2 192	2 275	2 147	9 428	10 954	8 919	4.30	4.81	4.15
New Brunswick										
Ducks	1	4 969	5 071	5 297	41 098	47 370	40 669	8.27	9.34	7.68
	2	2 346	2 409	2 230	17 963	21 223	13 179	7.66	8.81	5.91
	Total	7 315	7 481	7 527	59 061	68 593	53 849	8.07	9.17	7.15
Geese	1	274	571	331	903	2 500	741	3.30	4.37	2.24
	2	734	924	585	2 085	4 038	1 758	2.84	4.37	3.00
	Total	1 008	1 496	917	2 988	6 538	2 499	2.96	4.37	2.73
Quebec										
Ducks	1	33 703	35 599	38 705	384 911	489 695	518 433	11.42	13.76	13.39
	2	8 447	9 421	9 946	82 981	113 206	112 809	9.82	12.02	11.34
	Total	42 150	45 020	48 651	467 892	602 901	631 242	11.10	13.39	12.97
Geese	1	6 910	7 392	10 363	36 025	38 693	53 932	5.21	5.23	5.20
	2	2 561	2 730	3 163	16 196	14 544	18 069	6.32	5.23	5.71
	Total	9 471	10 123	13 526	52 221	53 238	72 002	5.51	5.26	5.32
Ontario										
Ducks	1	21 800	22 748	20 137	253 202	302 279	219 928	11.61	13.29	10.92
	2	52 554	50 106	55 772	504 590	508 288	531 792	9.60	10.14	9.54
	3	15 587	14 229	16 305	180 510	165 852	161 596	11.58	11.66	9.91
	Total	89 941	87 083	92 216	938 302	976 419	913 317	10.43	11.21	9.90
Geese	1	3 754	4 624	4 535	10 383	15 478	13 633	2.77	3.35	3.01
	2	5 604	5 113	10 988	14 144	16 679	29 639	2.52	3.26	2.70
	3	3 656	2 742	3 951	26 243	18 249	23 580	7.18	6.65	5.97
	Total	13 014	12 481	19 476	50 770	50 408	66 854	3.90	4.04	3.43

(cont'd)

Table 6 (cont'd)
Number of successful hunters and birds harvested
1974-77

Species group	Survey stratum	Successful hunters			Birds harvested			Birds harvested/ successful hunter		
		1975	1976	1977	1975	1976	1977	1975	1976	1977
Manitoba										
Ducks	1	20 016	22 766	19 068	206 055	244 658	174 699	10.29	10.75	9.16
	2	7 459	8 743	8 173	93 166	107 684	84 712	12.49	12.32	10.36
	Total	27 476	31 510	27 241	299 221	352 343	259 411	10.89	11.18	9.52
Geese	1	19 010	14 250	11 199	118 935	71 131	51 740	6.26	4.99	4.62
	2	5 147	5 578	4 749	33 458	27 374	24 303	6.50	4.91	5.12
	Total	24 157	19 828	15 949	152 394	98 505	76 044	6.31	4.97	4.77
Saskatchewan										
Ducks	1	21 397	20 988	14 679	315 851	283 939	158 430	14.76	13.53	10.79
	2	8 345	9 059	9 335	192 270	169 786	135 704	20.57	18.74	14.54
	3	19 089	20 920	17 441	299 174	354 118	214 623	15.67	16.93	12.31
	Total	49 831	50 968	41 457	807 295	807 844	508 758	16.20	15.85	12.27
Geese	1	14 302	15 251	11 296	105 053	95 918	70 840	7.35	6.29	6.27
	2	3 108	2 498	2 566	15 570	13 062	11 793	5.01	5.23	4.60
	3	7 881	7 948	7 278	36 521	39 004	39 228	4.63	4.91	5.39
	Total	25 291	25 697	21 140	157 144	147 985	121 862	6.21	5.76	5.76
Alberta										
Ducks	1	22 442	21 240	20 861	299 070	263 298	248 509	13.33	12.40	11.91
	2	28 933	33 756	34 089	551 639	623 254	523 601	19.07	18.46	15.62
	Total	51 375	54 996	54 951	850 709	886 552	781 111	16.56	16.12	14.21
Geese	1	11 787	11 945	12 135	78 246	71 536	74 310	6.64	5.99	6.12
	2	7 939	8 761	8 462	42 234	41 136	39 109	5.32	4.70	4.62
	Total	19 726	20 706	20 597	120 480	112 673	113 419	6.11	5.44	5.51
British Columbia										
Ducks	1	7 177	6 954	8 121	86 626	81 999	102 234	12.07	11.79	12.59
	2	7 332	6 999	7 884	149 597	149 203	157 371	20.40	21.32	19.96
	Total	14 509	13 953	16 006	236 223	231 203	259 605	16.28	16.57	16.22
Geese	1	2 261	1 896	1 729	8 271	5 748	5 992	3.66	3.03	3.46
	2	1 049	1 105	1 198	4 511	5 741	5 107	4.30	5.20	4.26
	Total	3 310	3 001	2 928	12 782	11 490	11 099	3.86	3.83	3.79
Northwest Territories										
Ducks	1	848	1 919	1 539	9 541	29 173	20 778	11.24	15.20	13.50
	Total	848	1 919	1 539	9 541	29 173	20 778	11.24	15.20	13.50
Geese	1	79	266	130	1 633	1 726	496	20.57	6.47	3.80
	Total	79	266	130	1 633	1 726	496	20.57	6.47	3.80
Yukon Territory										
Ducks	1	344	300	344	5 003	3 903	3 075	14.51	12.98	8.92
	Total	344	300	344	5 003	3 903	3 075	14.51	12.98	8.92
Geese	1	99	69	53	424	241	161	4.27	3.48	3.02
	Total	99	69	53	424	241	161	4.27	3.48	3.02
Canada Total										
Ducks		308 068	316 902	319 042	3 921 392	4 212 624	3 728 741	12.73	13.29	11.69
Geese		102 506	100 928	103 171	574 785	520 459	504 573	5.61	5.16	4.89

Table 7
Recreational activity provided by the hunting of ducks
and geese, 1977

Prov.	Survey stratum	Sales	Active hunters	Successful hunters	Harvest	Recreation days	S.bag* (ave.)	D.bag† (ave.)	R.days‡ (ave.)
Nfld.	1	32 788	21 683	14 274	108 996	222 888	5.0	0.5	10.3
	2	3 400	2 737	2 040	36 453	27 482	13.3	1.3	10.0
	Total	36 188	24 420	16 314	145 449	250 370	6.0	0.6	10.3
PEI	Total	6 158	5 309	4 456	48 844	58 971	9.2	0.8	11.1
NS	1	9 986	6 885	5 507	101 866	75 862	14.8	1.3	11.0
	2	5 758	5 328	4 082	41 564	48 004	7.8	0.9	9.0
	Total	15 744	12 213	9 589	143 430	123 866	11.7	1.2	10.1
NB	1	9 785	7 023	5 338	41 410	39 775	5.9	1.0	5.7
	2	4 424	3 013	2 310	14 938	24 286	5.0	0.6	8.1
	Total	14 209	10 036	7 648	56 348	64 061	5.6	0.9	6.4
Que.	1	57 148	45 538	39 573	572 366	398 943	12.6	1.4	8.8
	2	15 680	12 734	10 554	130 878	113 399	10.3	1.2	8.9
	Total	72 828	58 272	50 127	703 244	512 342	12.1	1.4	8.8
Ont.	1	43 954	28 034	20 456	233 561	217 936	8.3	1.1	7.8
	2	84 298	72 300	56 568	561 432	473 983	7.8	1.2	6.6
	3	28 643	22 011	16 833	185 177	165 265	8.4	1.1	7.5
	Total	156 895	122 345	93 857	980 170	857 184	8.0	1.1	7.0
Man.	1	37 453	28 577	21 531	226 440	170 111	7.9	1.3	6.0
	2	8 985	10 915	9 175	109 015	72 107	10.0	1.5	6.6
	Total	46 438	39 492	30 706	335 455	242 218	8.5	1.4	6.1
Sask.	1	22 082	20 797	18 025	229 270	122 963	11.0	1.9	5.9
	2	11 853	10 816	9 669	147 498	81 051	13.6	1.8	7.5
	3	26 094	20 878	18 499	253 851	135 364	12.2	1.9	6.5
	Total	60 029	52 491	46 193	630 619	339 378	12.0	1.9	6.5
Alta.	1	31 644	27 786	23 947	322 820	174 206	11.6	1.9	6.3
	2	50 531	39 437	34 922	571 710	280 278	14.5	2.0	7.1
	Total	82 175	67 223	58 869	894 530	454 484	13.3	2.0	6.8
BC	1	13 060	9 814	8 256	108 226	67 389	11.0	1.6	6.9
	2	15 297	8 937	8 083	162 478	96 707	18.2	1.7	10.8
	Total	28 357	18 751	16 339	270 704	164 096	14.4	1.6	8.8
NWT	Total	902	1 886	1 559	21 274	10 963	11.3	1.9	5.8
Yukon	Total	607	424	346	3 236	2 259	7.6	1.4	5.3
Total		520 530	412 862	336 003	4 233 303	3 080 192	10.3	1.4	7.5

*S.bag = average seasonal bag per active hunter.

†D.bag = average daily bag per active hunter.

‡R.days = average recreation days per active hunter.