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1 CANADIAN WILDLIFE SERVICE

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Progress Notes contain *interim* data and conclusions and are presented as a service to other wildlife biologists and agencies. The notes will appear in a summary volume at the end of the calendar year.

REPORT ON SALES OF THE CANADA MIGRATORY GAME BIRD HUNTING PERMIT 1966-67

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Purchase of the Canada migratory game bird hunting permit was required of all migratory game bird hunters in the autumn of 1966. The permits are being sold at post offices for \$2.00. Surveys based on sales records of the permit will provide management data comparable to those obtained annually in the United States by surveys based on the "Duck Stamp".

The permit system will provide needed management information to provincial and national waterfowl managers and will contribute substantially to the international pool of data which is required for the management of this continental resource.

The permit is on a three-part 8½" x 11" perforated form (postcard stock). The sales record portion of the form is a pre-paid postcard addressed to the Director of the Canadian Wildlife Service in Ottawa. It is the heart of the entire system. The remainder of the form, which is given to the hunter, consists of a bilingual information leaflet and the permit itself. This is a wallet-sized card bearing on one side a serial number and a space for the signature of the permittee. On the other side there is space for the name and address of the hunter and the number of his provincial licence, if one is required in the province where he will be hunting.

The Canada Post Office, as vendor, receives the consecutively numbered permits in large blocks at major depots across Canada and handles all details until the sales records are mailed individually as postcards to the Canadian Wildlife Service.

Each sales record postcard is checked by the Wildlife Service and the data are transferred to magnetic tape. The information on the tape will be used in many ways. Mail questionnaire surveys of waterfowl hunters will be instituted in 1967 based on samples of hunters drawn from the record of sales.

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A report has been prepared by computer for all sales records that reached the Wildlife Service by the end of January 1967 (Table 1). Table 1 contains columns and rows headed "Unknown". Sales records are classified under that heading where the requested information was not provided by the purchasers or if it was illegible. However, the unknowns were treated to improve our estimates. For example, there were 1,759 sales records for which the province of sale is unknown. It is reasonable to assign them to the provinces in direct proportion of the known sales. Known sales in Newfoundland were 13,208, and that figure is 3.49 per cent of the total of all known sales (total sales less the unknowns). If we add to the known sales in Newfoundland 3.49 per cent of the 1,759 unknowns (61), we arrive at the best possible estimate of 13,269 for the total sales of permits in Newfoundland. The proportion of unknowns will be decreased by improvement in the design of the form and as the vendors gain experience.

The method described above was applied to the data in Table 1. The results are presented in Table 2.

Post Office records indicate a sale of nearly 385,000 permits. We estimate 1.3 per cent of sales records are omitted from the tables. They represent records given inadvertently to the hunter, lost in transit, irreparably damaged, or received too late to be included. The results presented in the tables are approximately 98.7 per cent complete.

Information derived from the sale of permits and from surveys based on the permits will continue to be analysed by province and will be made available to provincial wildlife agencies and to other interested agencies and persons.

Table 2 Permit sales by province of purchase

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Total
Resident of Canada	13,246	3,257	7,160	8,284	35,243	135,891	36,240	42,000	52,178	31,894	365,393
Non-resident of Canada	23	14	60	251	625	8,172	1,544	2,744	733	500	14,666
Total	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394	380,059
<u>Age group</u>											
Less than 20	2,199	575	1,163	1,786	5,771	20,361	5,854	7,573	8,058	4,986	58,326
20 to 24	2,212	557	988	1,203	6,336	22,121	5,646	6,091	7,317	5,098	57,569
25 to 34	3,432	834	1,717	1,793	10,230	39,022	9,394	10,611	13,384	7,882	98,299
35 to 44	2,383	505	1,282	1,526	7,153	31,048	7,377	8,758	11,380	6,521	77,933
45 to 54	1,738	403	1,055	1,175	3,668	18,697	5,374	6,398	7,443	4,497	50,448
55 to 64	852	239	617	659	1,963	9,317	2,732	3,433	3,704	2,484	26,000
65 and over	453	158	398	393	747	3,497	1,407	1,880	1,625	926	11,484
Total	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394	380,059
<u>Sex</u>											
Male	13,246	3,257	7,164	8,380	35,472	142,412	37,272	44,219	52,180	31,836	375,438
Female	23	14	56	155	396	1,651	512	525	731	558	4,621
Total	13,269	3,271	7,220	8,535	35,868	144,063	37,784	44,744	52,911	32,394	380,059

Table 1 Permit sales by province of purchase

	Nfld.	P.E.I.	N.S.	N.B.	Que.	Ont.	Man.	Sask.	Alta.	B.C.	Unknown	Total
Resident of Canada	13,166	3,242	7,117	8,229	35,032	135,093	36,037	41,765	51,882	31,724	362	363,649
Non-resident of Canada	23	14	60	249	621	8,124	1,535	2,729	729	497	50	14,631
Unknown	19	-	10	17	49	179	37	43	55	23	1,347	1,779
Total	13,208	3,256	7,187	8,495	35,702	143,396	37,609	44,537	52,666	32,244	1,759	380,059
Age group												
Less than 20	1,881	549	1,083	1,683	5,483	19,538	5,278	6,990	7,770	4,781	308	55,344
20 to 24	1,893	531	920	1,134	6,020	21,222	5,088	5,622	7,055	4,889	226	54,600
25 to 34	2,938	796	1,598	1,689	9,721	37,440	8,468	9,793	12,904	7,559	407	93,313
35 to 44	2,039	482	1,193	1,438	6,797	29,793	6,652	8,082	10,972	6,254	289	73,991
45 to 54	1,487	384	982	1,107	3,486	17,938	4,846	5,905	7,176	4,312	246	47,869
55 to 64	730	228	574	621	1,865	8,938	2,464	3,167	3,571	2,382	141	24,681
65 and over	388	151	371	370	709	3,357	1,270	1,735	1,566	888	50	10,855
Unknown	1,852	135	466	453	1,621	5,170	3,543	3,243	1,652	1,179	92	19,406
Total	13,208	3,256	7,187	8,495	35,702	143,396	37,609	44,537	52,666	32,244	1,759	380,059
Sex												
Male	13,111	3,226	7,106	8,300	35,147	141,014	36,885	43,753	51,614	31,490	1,717	373,363
Female	23	14	55	154	392	1,635	506	519	723	552	20	4,593
Unknown	74	16	26	41	163	747	218	265	329	202	22	2,103
Total	13,208	3,256	7,187	8,495	35,702	143,396	37,609	44,537	52,666	32,244	1,759	380,059