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**Annual report to banders — Summary of bird banding in Canada in 1981**by C. Hyslop<sup>1</sup> and A. Demers<sup>1</sup>**Introduction**

This report summarizes bird banding activity in Canada in 1981. It provides information on the number of banders in Canada and the number of birds banded, and on the distribution of bandings by species and region.

**Methods**

Canadian banding records for 1981 were selected from the North American Bird Banding file, using December 1982 as the cut-off date for entries into the computer.

**Results**

The total number of birds banded in 1981 was 178 422, a decrease of 5% from the 1980 total (187 480) and a decrease of 7% from the 1972-81 ten-year average of 191 877 (Table 1). Three hundred and six species, subspecies, and hybrids were banded (Table 2).

There were 143 active master banding permits in 1981, an increase of 11% from the 1980 total (129) but 4% below the 1972-81 ten-year average of 149 (Table 1). (There were also one or more active sub-permit holders for most master permits.)

Figure 1 shows locations of banding in Canada in 1981. Most banding stations were in southern regions, near population centres. In Alberta and Saskatchewan banding took place throughout most of the southern halves of the provinces, a good deal of it in conjunction with studies of waterfowl.

Ontario had the greatest number of active master permit holders (75 or 52%) and accounted for 42% of the birds banded in 1981 (74 342), covering 75% of the species banded (230). The next most active province was Alberta, where 16 master banders (11% of the total) banded 28 408 birds of 135 species, including 16% of total birds and 44% of species (Table 2).

Table 3 compares numbers of non-game and game birds banded by region. Eighty-eight percent of species banded (269) were non-game birds. They accounted for 55% of total bandings (98 503). Bandings of 37 game species contributed 45% of birds banded (79 919).

The three most commonly banded game and non-game species in each region are given in Table 4. Mallard was one of the three most commonly banded game species in Canada everywhere except Newfoundland, Nova Scotia, and New Brunswick.

Table 5 summarizes the numbers of game and non-game birds requiring a status code other than 300 (normal wild bird) after banding<sup>2</sup>.

Table 6 lists numbers of birds banded in each province and territory in 1981 by species.

**Acknowledgements**

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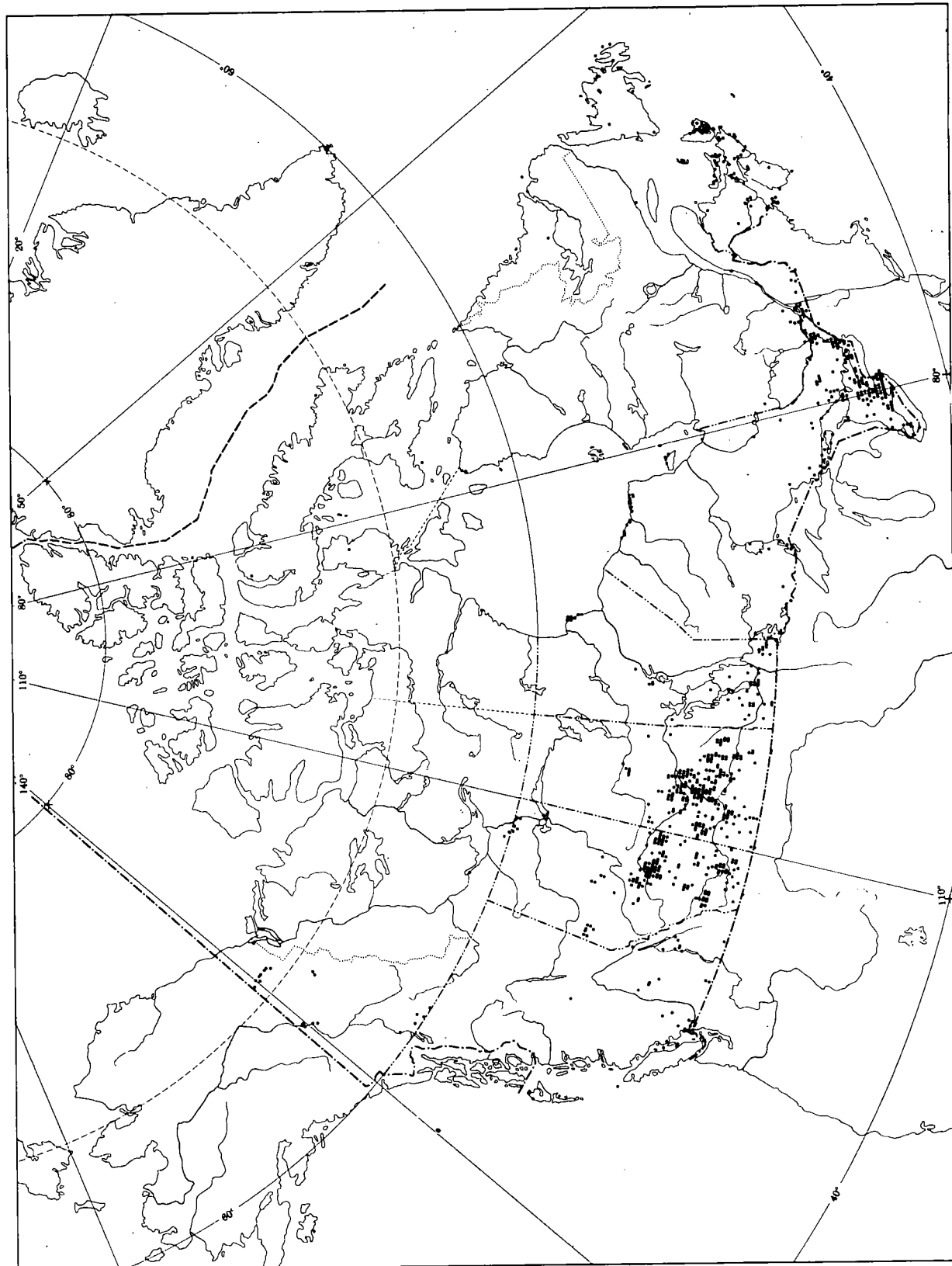
**Table 1**

Numbers of bird banding permits issued and birds banded in Canada annually, 1972-81

Year	Active master permits	Birds banded
1972	156	152 094
1973	154	121 756
1974	146	155 315
1975	152	172 125
1976	155	206 493
1977	148	238 364
1978	155	274 203
1979	147	232 522
1980	129	187 480
1981	143	178 422
Average	149	191 877

<sup>1</sup> CWS, Ottawa, Ontario K1A 0E7.<sup>2</sup> For an explanation of the codes see "North American bird banding", 1976, Vol. 1, Part 5, published by Canadian Wildlife Service.Environment  
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**Figure 1**  
Map of banding locations in Canada, 1981



**Table 2**  
Numbers of bird banders and birds banded by region, 1981

Region	Active master permits				Birds banded				Species banded			
	No.		% total*		No.		% total		No.		% total*	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Nfld.	4	4	3	3	2 535	3 882	1	2	49	51	17	17
PEI	1	1	1	1	934	383	1	0	11	7	4	2
NS	5	7	4	5	10 904	7 729	6	4	106	112	36	37
NB	3	5	2	3	11 082	5 711	6	3	116	84	40	27
Que.	10	13	8	9	3 204	3 354	2	2	68	85	23	28
Ont.	63	75	49	52	69 940	74 342	37	42	223	230	76	75
Man.	9	10	7	7	22 150	23 058	12	13	58	83	20	27
Sask.	17	15	13	10	29 401	20 501	16	12	58	64	20	21
Alta.	15	16	12	11	23 257	28 408	12	16	112	135	38	44
BC	8	11	6	8	5 418	3 410	3	2	54	84	18	27
NWT	8	10	6	7	8 328	7 301	4	4	29	29	10	9
Yukon	2	2	2	1	327	343	0	0	6	10	2	3
Canada	129†	143†	-	-	187 480	178 422	100	100	292	306	-	-

\* These columns do not total 100% because some banders band in more than one province and some species are banded in more than one province.  
† The total here counts each bander only once, although some banders band in more than one province.

**Table 3**  
Numbers and percentages of non-game and game\* birds banded in each region, 1981

Region	Non-game species	%	Non-game birds	%	Game species	%	Game birds	%
Nfld.	41	80	3 556	92	10	20	326	8
PEI	4	57	24	6	3	43	359	94
NS	98	88	5 351	69	14	12	2 378	31
NB	70	83	3 589	63	14	17	2 122	37
Que.	75	88	823	25	10	12	2 531	75
Ont.	205	89	61 636	83	25	11	12 706	17
Man.	61	73	3 205	14	22	27	19 853	86
Sask.	43	67	3 652	18	21	33	16 849	82
Alta.	115	85	9 155	32	20	15	19 253	68
BC	74	88	2 780	82	10	12	630	18
NWT	24	83	4 676	64	5	17	2 625	36
Yukon	5	50	56	16	5	50	287	84
Canada	269	88	98 503	55	37	12	79 919	45

\* In the category of migratory game birds, we include the family Anatidae, the family Gruidae, the family Rallidae, the American Woodcock, Common Snipe, and the family Columbidae. Game birds that were not hunted in Canada in 1981 because of closed seasons were not included.

**Table 4**  
Most frequently banded game and non-game species by region,  
1981

Region	Game			Non-game		
	AOU No.	Common name	Total	AOU No.	Common name	Total
Nfld.	1390	American Green-winged Teal	109	0300	Common Murre	1151
	1330	Black Duck	106	7580	Swainson's Thrush	392
	1430	Pintail	70	5580	White-throated Sparrow	287
PEI	1330	Black Duck	347	3640	Osprey	14
	1321	Mallard × Black Duck hybrid	10	3750	Great Horned Owl	7
	1320	Mallard	2	3520	Bald Eagle	2
NS	1330	Black Duck	1126	1060	Leach's Storm Petrel	1617
	1390	American Green-winged Teal	281	4860	Common Raven	314
	1600	Common Eider	216	6570	Magnolia Warbler	204
NB	1330	Black Duck	1046	2460	Semipalmated Sandpiper	1445
	1400	Blue-winged Teal	664	1060	Leach's Storm Petrel	641
	1390	American Green-winged Teal	154	5420	Savannah Sparrow	221
Que.	1320	Mallard	1321	4980	Red-winged Blackbird	138
	1330	Black Duck	777	3600	American Kestrel	102
	1390	American Green-winged Teal	218	5670	Slate-coloured Junco	75
Ont.	1320	Mallard	5158	0540	Ring-billed Gull	7358
	1720	Canada Goose	3988	2460	Semipalmated Sandpiper	4740
	1400	Blue-winged Teal	1680	5340	Snow Bunting	2708
Man.	1320	Mallard	9187	6520	Yellow Warbler	848
	1690	Lesser Snow Goose (White phase)	3823	4670	Least Flycatcher	480
	1400	Blue-winged Teal	2407	1250	White Pelican	355
Sask.	1320	Mallard	8647	4970	Yellow-headed Blackbird	596
	1400	Blue-winged Teal	5459	7680	Mountain Bluebird	572
	1720	Canada Goose	1288	6140	Tree Swallow	492
Alta.	1320	Mallard	7596	1200	Double-crested Cormorant	1943
	1400	Blue-winged Teal	4611	6140	Tree Swallow	916
	1430	Pintail	3377	6470	Tennessee Warbler	565
BC	1720	Canada Goose	309	2470	Western Sandpiper	1120
	1440	Wood Duck	181	2420	Least Sandpiper	273
	1320	Mallard	97	7610	American Robin	240
NWT	1720	Canada Goose	1999	0310	Thick-billed Murre	3764
	1320	Mallard	602	0270	Black Guillemot	450
	1430	Pintail	21	2720	Lesser Golden Plover	78
Yukon	1430	Pintail	187	3560	Peregrine Falcon	52
	1320	Mallard	92	1800	Whistling Swan	1
	1390	American Green-winged Teal	4	3340	Northern Goshawk	1
				3520	Bald Eagle	1
				3547	Gyr Falcon	1

**Table 5**  
Status of banded birds (excluding normal wild birds), 1981

Status	Codes*	Game birds		Non-game birds	
		No. spp.	No. birds	No. spp.	No. birds
Held and/or transported	603, 611, 612, 613, 636, 656, 675	7	7 106	25	78
Colour-marked	602, 608, 619, 623, 639, 651, 669	14	1 319	53	8 108
Injured or sick	615, 621, 660, 638	5	9	71	443
Hand-reared or game farm	400, 401, 402	4	1 012	19	179
Double-banded	607	0	0	4	445
Radio transmitter attached	689	3	49	2	6
Blood sample taken	618	5	538	42	2 380
Miscellaneous	485, 642, 685	3	11	17	665
<b>Total</b>		<b>41</b>	<b>10 044</b>	<b>233</b>	<b>12 304</b>

\* For explanation of the codes see "North American bird banding", 1976, Vol. 1, Part 5, published by Canadian Wildlife Service.

## Progress Notes

## Canadian Wildlife Service

Progress Notes contain *interim* data and conclusions and are presented as a service to other wildlife biologists and agencies.

Erratum July 1984  
Progress Note No. 145, May 1984

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The attached Table was omitted  
from Progress Note No. 145

**Table 6**  
Number of birds banded in Canada in 1981 listed by  
species and region

AOU No.	Species	No. banders	No. banded												Total	
			Nfld.	PEI	NS	NB	Qué.	Ont.	Man.	Sask.	Alta.	BC	NWT	Yuk.		
0010	Western Grebe	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1
0020	Red-necked Grebe	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1
0030	Horned Grebe	2	0	0	0	0	0	0	1	0	0	0	0	1	0	2
0060	Pied-billed Grebe	2	0	0	19	0	0	1	0	0	0	0	0	0	0	20
0070	Common Loon	2	0	0	0	0	0	1	0	3	0	0	0	0	0	4
0110	Red-throated Loon	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1
0120	Tufted Puffin	1	0	0	0	0	0	0	0	0	0	0	195	0	0	195
0130	Atlantic Puffin	2	83	0	0	52	0	0	0	0	0	0	0	0	0	135
0160	Cassin's Auklet	1	0	0	0	0	0	0	0	0	0	0	109	0	0	109
0270	Black Guillemot	2	0	0	0	56	0	0	0	0	0	0	0	450	0	506
0300	Common Murre	1	1 151	0	0	0	0	0	0	0	0	0	0	0	0	1 151
0310	Thick-billed Murre	2	57	0	0	0	0	0	0	0	0	0	0	3 764	0	3 821
0320	Razorbill	1	204	0	0	0	0	0	0	0	0	0	0	0	0	204
0380	Long-tailed Jaeger	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
0390	Ivory Gull	1	0	0	0	0	0	0	0	0	0	0	0	3	0	3
0420	Glaucous Gull	1	0	0	0	0	0	0	0	0	0	0	0	18	0	18
0470	Great Black-backed Gull	1	0	0	189	0	0	0	0	0	0	0	0	0	0	189
0510	Herring Gull	14	0	0	0	0	0	1 421	0	0	0	0	0	0	0	1 421
0530	California Gull	1	0	0	0	0	0	0	0	172	0	0	0	0	0	172
0540	Ring-billed Gull	11	0	0	0	0	57	7 358	0	66	0	0	0	0	0	7 481
0600	Bonaparte's Gull	1	0	0	0	0	0	1	0	0	0	0	0	0	0	1
0640	Caspian Tern	1	0	0	0	0	0	95	0	0	0	0	0	0	0	95
0700	Common Tern	4	0	0	0	0	0	536	0	92	0	0	0	0	0	628
0710	Arctic Tern	2	0	0	0	157	0	0	0	0	0	0	0	2	0	159
0770	Black Tern	2	0	0	0	0	0	10	0	0	0	0	36	0	0	46
0860	Northern Fulmar	1	8	0	0	0	0	0	0	0	0	0	0	50	0	58
1060	Leach's Storm-petrel	5	0	0	1 617	641	0	0	0	0	0	0	0	0	0	2 258
1200	Double-crested Cormorant	6	0	0	8	0	0	1 117	0	41	1 943	0	0	0	0	3 109
1250	White Pelican	3	0	0	0	0	0	0	355	154	196	0	0	0	0	705
1290	Common Merganser	2	0	0	0	0	0	1	0	0	0	10	0	0	0	11
1300	Red-breasted Merganser	1	1	0	0	1	0	0	0	0	0	0	0	0	0	2
1310	Hooded Merganser	3	0	0	5	0	0	3	0	1	0	0	0	0	0	9
1320	Mallard	42	0	2	34	34	1 321	5 158	9 187	8 647	7 596	97	602	92	32 770	
1321	Mallard × Black Duck hybrid	15	0	10	12	38	31	28	13	1	1	0	0	0	0	134
1330	Black Duck	26	106	347	1 126	1 046	777	698	43	11	4	0	0	0	0	4 158
1350	Gadwall	9	0	0	0	0	0	5	21	169	91	0	0	0	0	286
1370	American Wigeon	14	16	0	60	57	0	21	16	65	144	3	0	0	0	382
1390	American Green-winged Teal	25	109	0	281	154	218	288	52	253	261	0	1	4	1 621	
1400	Blue-winged Teal	26	20	0	208	664	89	1 680	2 407	5 459	4 611	0	0	0	0	15 138
1401	Unidentified teal	1	0	0	0	0	0	0	0	0	3	0	0	0	0	3
1420	Northern Shoveler	9	1	0	6	26	0	1	57	1	19	0	0	0	0	111
1430	Northern Pintail	24	70	0	24	20	26	125	296	478	3 377	1	21	187	4 625	
1431	Unidentified duck	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1
1440	Wood Duck	20	1	0	179	47	63	438	46	0	0	181	0	0	0	955
1450	Unidentified or hybrid duck	3	0	0	0	0	0	1	1	1	0	0	0	0	0	3
1460	Redhead	11	0	0	0	0	0	12	225	336	68	0	0	0	0	641
1470	Canvasback	10	0	0	0	0	0	2	18	55	22	0	2	0	0	99
1480	Greater Scaup	1	0	0	0	0	0	9	0	0	0	0	0	0	0	9
1490	Lesser Scaup	11	0	0	0	0	0	24	56	54	30	0	0	1	0	165
1500	Ring-necked Duck	8	1	0	120	22	4	82	1	1	7	0	0	0	0	238
1510	Common Goldeneye	3	0	0	0	11	0	2	0	8	0	0	0	0	0	21
1530	Bufflehead	4	0	0	0	0	0	11	0	4	1	0	0	0	0	16
1540	Oldsquaw	1	0	0	0	0	0	0	0	0	0	2	0	0	0	2
1600	Common Eider	1	0	0	216	0	0	0	0	0	0	0	0	0	0	216
1650	White-winged Scoter	1	0	0	0	0	0	0	0	2	0	0	0	0	0	2
1670	Ruddy Duck	4	0	0	0	0	0	0	18	13	1	0	0	0	0	32
1690	Lesser Snow Goose (white phase)	1	0	0	0	0	0	0	3 823	0	0	0	0	0	0	3 823
1691	Lesser Snow Goose (blue phase)	1	0	0	0	0	0	0	1 720	0	0	0	0	0	0	1 720
1700	Ross' Goose	1	0	0	0	0	0	0	4	0	0	0	0	0	0	4
1703	Snow × Ross' Goose hybrid	1	0	0	0	0	0	0	4	0	0	0	0	0	0	4
1720	Canada Goose	20	1	0	95	0	0	3 988	1 820	1 288	3 013	309	1 999	3	12 516	





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