

# **ONRS 35**

## **ONTARIO NEST RECORDS SCHEME**



## **THIRTY-FIFTH REPORT (1956 – 2003)**

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George K. Peck

Spring 2004

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### THIRTY-FIFTH REPORT (1956 – 2003)

The Ontario Nest Records Scheme (ONRS) at the close of 2003, has been operative for 48 nesting seasons. This volunteer monitoring program is based in Ornithology, Centre for Biodiversity and Conservation Biology (CBCB), Royal Ontario Museum (ROM), Toronto, Ontario, where the nest record cards and the computer database are stored. The ONRS is, essentially, a collection of records, each detailing one or more visits to an occupied bird's nest, a nest under active construction, or to an active nesting colony, in Ontario. The majority of the current nest records are submitted annually by field volunteers who find active bird nests and record the significant data on nest cards, or on-line by computer. In regard to record entry, hard-copy cards are preferred to on-line entry for purposes of processing and summarizing this data. However, if on-line entry is chosen, contributors are urged to carefully enter all known fields and to always supply their observer numbers, provincial region codes, coordinates or written location, visit dates, nest contents and/or activity, and habitat particulars for each nest record.

We continue to be greatly pleased with the results of our affiliation with the current **Ontario Breeding Bird Atlas**. Many nest records have been submitted by atlasers in the first three years (2001-2003) of the atlas, in addition to those from our regular ONRS contributors. We again urge all atlasers to submit nest cards on all the nests they find while atlasing, and also, to continue to work their squares for this purpose, after the current atlas period is over in 2005. The ONRS is a continuing program and the gathering of this 'best-of-all' breeding evidence, the active nest with its accompanying data, can be of vital importance to our efforts to conserve the biodiversity of our birdlife.

#### NEST DATA SUBMISSION

All nest records from both current and previous years, should now only be entered on line or on the pre-numbered scannable nest cards, now in their fourth year of use. Earlier-version cards cannot be scanned directly into our database and require laborious and time-consuming entry. On line entry is available at <http://www.birdsontario.org/onrs/onrsmain.html>.

From this same website the instructional *Ontario Nest Records Scheme Handbook* and the blue, four-fold *ONRS Coding System* field card can be downloaded. The *ONRS Annual Report* and the up-to-date *Revisions* and *Appendix* (Vol. 1) of the two volumes of the *Breeding Birds of Ontario* can also be downloaded from the following website - <http://www.birdsontario.org/onrs/nidiology.html>.

#### MAKING OUT NEST CARDS (important points to remember)

1. **County/Region codes:** Because each species cards are tracked and filed alphabetically by region, it is very important that these **4-letter codes** be entered in the provided space. Do not write the atlas region number in this space. See in **Handbook** or **Table 2** of this report for the 4-letter regional codes.
2. **Observer Number:** Always include your number because it may be our only access to your address. If you do not yet have one, please advise and one will be supplied. This number is the same as that supplied to atlas participants.
3. **Coordinates:** If possible, always give coordinates for the nest location. These may be either latitude/longitude (degrees, minutes, seconds), or, preferably, UTM (northing/easting) points, and both can be determined by the use of topographical/atlas maps or GPS units. If no method for determining coordinates is available, **write in** a location in the provided space on the card. When using UTM points, please include the **2-number UTM ZONE** (eg. 15, 16, 17,18).
4. **Species Codes:** Always include these **4-letter codes**, which are found on the blue Coding System Card and in Table 1 of this report.

**Cover:** Pine Grosbeak nest and eggs – Mark K. Peck

5. **Cowbird:** Please indicate Brown-headed Cowbird eggs/young when present, and **do not remove** these from the nest. A second card for cowbird is no longer necessary.
6. **Nest Visit Dates:** Correct visit dates are vital, and should always be included. They enable the determination of egg dates, incubation periods, fledging times, etc.
7. **Comments:** Bear in mind that written comments, although encouraged, are not read by the computer and have to be entered by hand in to the database. They should not replace the use of the proper Visit Status Codes or Habitat Codes, but should only amplify them or provide information not covered by these codes. However, it should be stressed that shrub and nest tree names, nest positions/materials/measurements, surrounding vegetation, habitat descriptions etc. are all important, useful and welcome items of information.

### **CURRENT YEAR RECORDS ENTRY**

In 2003, ONRS and OBBA volunteers submitted more than **3000** nest cards in time for inclusion in this report. This steady increase over the past three years is due in large part to the additional submission of records by Atlassers, and is much appreciated. The ONRS's card record total as of this writing is 128,024. When colonial nests and cards listing more than one nest are added, we have a conservative total of 4,300,000 nests in the database! Although we maintain a large file of **breeding records** that do not involve actual nests, these records are not included in the listed total. An example of a non-nest breeding record would be a female duck with her brood of flightless young. Thus, many confirmed Atlas breeding records are not included in our nest record total, although they are included in the species summaries in the two volumes of the *Breeding Birds of Ontario* and their *Revisions*, and current records will be included in future revisions.

All the current nest records including those from 2003 are in the database, and the scanning of historical records is almost complete. Records have also been geo-referenced, and when the data entry from our scanned historical cards is complete in the near future, all our data, including mapped nest locations will be available on computer for study.

Some of the larger card submissions for this report include the following:

1. OMNR-London – forest bird (sylviculture) study – 1126 cards from 20 participants.
2. Brad Clements – 153 cards
3. Mark Peck – 135 cards
4. Ross James – 97 cards.

S. Hamill again added six new nesting species in Grenville, and also 2 in Stormont, and one new nesting species in each of Lanark and Leeds. M. Peck, G. Coady, G. Binsfeld, and K. Konze added three new in Kenora; S. Bryan two new in Kenora; T. Dunsmore two new for Prescott; S. Kits two new for Huron; and G. Semark two new for Glengarry.

Nests of 186 species and 42 new species' nesting regions were submitted for this report. No cards were received for this report from the counties of Lennox & Addington and Russell, and only one from Dufferin, three from Dundas, one from Haliburton, one from Perth, and two from Prescott. The five regions with the fewest recorded nesting species are all in southeastern Ontario, and are Dundas (26), Grenville (58), Prescott (62), Russell (39), and Stormont (36). It is to be hoped that some Atlas and ONRS volunteers will endeavour to concentrate in these areas of insufficient coverage, as undoubtedly they should all have higher totals.

### **ERRATA**

Further information has been presented to us indicating that the nest record of Tufted Titmouse in the district of Manitoulin was not of that species, and has been removed from our database. Consequently the last three lines, following the word 'reported', of that species' account in the *Breeding Birds of Ontario (First Revision – Part A: Flycatchers to Gnatcatchers)* in *Ontario Birds*, Vol. 15:3, p. 104, should be deleted.

Due to a computer glitch we regret the omission of the following 26 contributors and their submissions in last year's **ONRS 34:** (over)

NAME	card	NAME	card	NAME	card
Nippard, J.	1	Parker, A.	1	Sirois, L.	13
Nuttall, L.	2	Parker, K.	2	Sleep, D.	18
Ohler, M.	8	Parker, M.	14	Smith, P.	5
OMNR London-Fleguel, S	22	Parsons, T.	1	Smith, R.	7
“ McLeod, B.	45	Scott, B.	1	Stevens, B.	2
“ Moore, L.	94	Semark, G.	45	Street, M.	2
“ Robinson, M.	49	Shapiro, H.	8	Sutherland, D.	4
“ Walke, C.	31	Shook, J.	4	Taim, L.	1
<i>Ontbirds</i>	5	Simms, R.	1		

### CURRENT ONTARIO BREEDING BIRD LIST

The current (2003) Ontario breeding bird list total, including hypothetical and undocumented nesting and breeding species is 297, of which 286 are represented by nest records in the ONRS database. Included in the total of 297 are eight (8) species arbitrarily designated as hypothetical (without documented evidence of nesting or breeding), and another seven (7) breeding species whose nests have not yet been found, but whose breeding has been documented by specimen collection and/or the photography of flightless or recently-fledged young. The eight hypothetical species are Brant, Yellow-crowned Night-Heron, Swainson's Hawk, Eurasian Collared-Dove, Kirtland's Warbler, Connecticut Warbler, Snow Bunting, and Hoary Redpoll. The seven breeding species still awaiting nest discovery and documentation are Ross's Goose, Surf Scoter, Bufflehead, American Avocet, Pectoral Sandpiper, Stilt Sandpiper, and Northern Shrike. We have undocumented records of the nesting of four of the above-named 15 species, and these are Bufflehead, Swainson's Hawk, Eurasian Collared-Dove, and Connecticut Warbler. Nest cards of these latter four species are in the ONRS files but are bracketed [ ] in the list in Table 1.

Recent changes in the current Ontario breeding bird list resulted from the discovery in Kenora District in 2003 of the nests of both Bohemian Waxwing and Pine Grosbeak. These species were added by an Atlas group consisting of Mark Peck, Glenn Coady, Gerry Binsfield, and K. Konze. The undocumented observation by M. Holder of nest construction by a Eurasian Collared-Dove in Hastings County in 2003, earned this exotic a place on the hypothetical breeding list.

The *Forty-Fourth Supplement to the American Ornithologists' Union Check-list of North American Birds*, published in July 2003 has made order and name changes to the check-list, some of which are incorporated here. The geese, swans and ducks (*Anseriformes*), followed by the pheasants, grouse and quail (*Galliformes*) now begin the check-list order, before the loons and grebes. The two name changes involve the Rock Dove which is now called the Rock Pigeon, and the Three-toed Woodpecker, now called the American Three-toed Woodpecker.

### BOOK SALE – ½ PRICE

*Breeding Birds of Ontario: Nidiology and Distribution, Volume 1: Nonpasserines*  
*Breeding Birds of Ontario: Nidiology and Distribution, Volume 2: Passerines*

We continue to offer these books at half price as long as the supply lasts, with the proceeds going to the ONRS:

--	\$40.00	per set of both volumes
--	3.50	p&h
--	<u>2.80</u>	GST
Total -	\$46.30	

To order, mail cheque made out to Royal Ontario Museum to:  
 ONRS/Ornithology – CBCB, Royal Ontario Museum, 100 Queen's Park, Toronto, ON M5S 2C6  
 Telephone: (416) 586-5523  
 E-mail: [onrs@rom.on.ca](mailto:onrs@rom.on.ca)

Six-part revisions to both volumes of *Breeding Birds* and an Appendix to Volume 1 were published in the Ontario Field Ornithologists' journal *Ontario Birds*, and have updated the volumes to 1999. The text of these update papers can be downloaded from the web-site <http://www.birdsontario.org/onrs/nidiology.html> Hard copy versions with their photographs can be purchased from the Ontario Field Ornithologists, Box 455, Station R, Toronto, ON M4G 4E1.

#### ONRS AS AN INFORMATION SOURCE

Some of the organizations and individuals who have used our database for conservation and research purposes, and others who have cited our publications, include:

1. **Bird Life International & Lynx Edicions, Barcelona, Spain**, publishers of *Handbook of the Birds of the World*.
2. **Canadian Wildlife Service** – gathering data on marsh birds.
3. **OMNR – London** – forest bird (Sylviculture) project – analysis of their records using our database.
4. **Authors of The Birds of North America species accounts, Philadelphia, PA.**
5. **Authors/Editors of *Birds of Elgin County (2004)*, *Birds of Simcoe County (in progress)*, and *The Breeding Birds of Hamilton, Ontario (2003)*.**
6. **Bird Studies Canada, Pt. Rowan, ON.**
7. **NWT Internet Check-list** – using our database setup.
8. **Global Biodiversity Information Facility** – international organization using ONRS data worldwide.
9. **Darren J. H. Sleep, Univ. of Guelph, ON** – use of ONRS data for paper on effect of habitat disturbance on **Northern Hawk Owl**.
10. **Mike Nelson, Essex Region Conservation Authority** – use of ONRS data for recovery actions for **Least Bittern, King Rail, and Prothonotary Warbler**.
11. **Stu Mackenzie, Univ. of Guelph, ON** – ONRS data for project, **Nest Productivity in the Canadian Population of Prothonotary Warblers (*Protonotaria citrea*): A comparison of nest boxes and natural cavities**.
12. **Roy Smith and Winnie Poon** – ONRS data for their Northern Mockingbird study.

Completed nest cards, requests for blank cards and regional nesting lists should be sent to the address or E-mail on page 3. Coding cards, handbooks, and annual reports can also be requested or can be downloaded from <<http://www.birdsontario.org/onrs/onrsmain.html>>

Please notify us of mailing address changes so we continue to mail out annual reports to all active contributors. If you do not have an **observer number** please let us know and one will be supplied. This number is the same one used by the Ontario Breeding Bird Atlas.

### CURRENT HIGHLIGHTS and LOWLIGHTS

The term lowlight is purposely used here to fairly present reasons for both pessimism and optimism regarding the status of our breeding birds.

- Long-tailed Duck – 3 nests in Kenora in 2003 brought the provincial total to 10.
- Double-crested Cormorant – 12 colonies were reported for this unfairly beleaguered species whose increased numbers indicate healthier waters and plentiful fish.
- Great Egret – three colonies were reported in 2003 from Bruce, Northumberland, and Simcoe. The Nottawasaga Island colony in Simcoe has expanded to 35 nesting pairs.
- Green Heron – 12 nests in a small colony on an island in Hastings County were on the ground.
- Bald Eagle – 45 nest records were submitted in 2003, with 28 from the southern Ontario population. A nest in Algonquin Park was its first.
- Red-tailed Hawk – 2 Kenora nests in 2003 were near the Hudson Bay coast and are our most northerly.
- Merlin – 10 more nests of this increasing falcon were submitted for this report.
- Marsh birds – no nest records were received from our 4 breeding rails, or from Common Moorhen and American Coot – a noteworthy trend over several years.
- Greater Yellowlegs – the province's third nest was reported from Kenora in 2003.
- Lesser Yellowlegs – our fifth nest was found in Kenora in 2003.
- Solitary Sandpiper – Ontario's third nest was found in Sudbury District in 2003.
- Whimbrel – 2 nests found in Kenora in 2003 brought the provincial total to 12 nests.
- Hudsonian Godwit – Ontario's fourth nest found in Kenora in 2003.
- Parasitic Jaeger – our fifth nest was found in Kenora in 2003.
- Rock Pigeon – not a 'light', but simply a reminder of a recent name change by the AOU.
- [Eurasian Collared-Dove] – a nest under construction in Hastings County in 2003 has earned this species an arbitrarily-assigned hypothetical designation on Ontario's breeding bird list.
- Barred Owl – a 2003 record from Muskoka indicated the 7<sup>th</sup> consecutive year's occupation of the same nesting cavity.
- Goatsuckers – no nests of Whip-poor-will and only two of Common Nighthawk in the last two years.
- Chimney Swift – no nests reported in the last two years.
- American Three-toed Woodpecker – not a 'light' either, but is another AOU name change.
- Acadian Flycatcher – 45 nest records were submitted in 2003, the result of dedicated field work.
- Loggerhead Shrike – no records have been submitted in the last two years for this declining species, although we are awaiting the submission of 10 or 12 nests found in 2003 on the Carden Alvar.
- Common Raven – 28 more nests were submitted for this report, and nests in Grey, Leeds, Ottawa, Stormont and York point out the continuing southern expansion of the species.
- Black-capped Chickadee – a nest in a hanging moose skull on a garage was reported from York, 2003.
- Bohemian Waxwing – the first Ontario nest was found in Kenora near the Swan River in 2003.
- Orange-crowned Warbler – only the second nest of this warbler was found in Kenora in 2003.
- Blackpoll Warbler – Ontario's seventh nest was discovered in Kenora in 2003.
- Hooded Warbler – 55 nests were submitted for this report.
- LeConte's Sparrow – 2 nests in 2003 from Kenora brought the Ontario total to 11.
- Nelson's Sharp-tailed Sparrow – the province's fourth nest was found in Kenora in 2003.
- Fox Sparrow – 4 Kenora nests in 2003 raised the Ontario total to 9 nests.
- White-throated Sparrow – a 2003 Kenora nest contained 7 young – an unusually high number.
- Bobolink – an adult male, presumably brooding recently-fledged young in tall grass, was caught by hand by a surprised nest searcher.
- Brown-headed Cowbird – of 945 nests submitted by the forest-bird study project of OMNR London for this report, 181 were parasitized by this brood parasite.
- Orchard Oriole – a 2002 Bruce County nest, submitted for this report is our most northerly record to date.
- Purple Finch – a 2002 nest was the only nest record submitted for this declining species since 1995.
- Pine Grosbeak – the same Atlas group that found Ontario's first Bohemian Waxwing nest, also amazingly discovered the province's very first documented nest of this species, in Kenora District in 2003, 25 km north of the mouth of the Swan River on the James Bay coast.

**NEW NESTINGS FOR ONTARIO REGIONS**

Mute Swan – Niagara (2003)  
 Trumpeter Swan – Waterloo (2002)  
 Wood Duck – Grenville (2003), Lanark (2003), Leeds (2003)  
 Common Goldeneye – Sudbury (2003)  
 Hooded Merganser – Bruce (2003), Norfolk (2003)  
 Double-crested Cormorant – Timiskaming (2003)  
 Great Blue Heron – Stormont (2003), Toronto (2002)  
 Great Egret – Toronto (2002)  
 Green Heron – Hastings (2003)  
 Turkey Vulture – Ottawa-Carleton (2000)  
 Osprey – Middlesex (2002)  
 American Kestrel – Dundas (2003)  
 Merlin – Kawartha Lakes (2002), Northumberland (2002), Simcoe (2003)  
 Sora – Nipissing (2002)  
 Solitary Sandpiper – Sudbury (2003)  
 Spotted Sandpiper – Grenville (2003)  
 Upland Sandpiper – Grenville (2003)  
**[Eurasian Collared-Dove]** – Hastings (2003)  
 Northern Hawk Owl – Cochrane (2003)  
 Barred Owl – Northumberland (2003)  
 Belted Kingfisher – Grenville (2003)  
 Downy Woodpecker – Kenora (2003)  
 Common Raven – Stormont (2003), York (2003)  
 Northern Rough-winged Swallow – Grenville (2003), Prince Edward (2003)  
 Black-capped Chickadee – Glengarry (2003)  
 Brown Creeper – Huron (2003)  
 Carolina Wren – Peel (2003)  
**Bohemian Waxwing** – Kenora (2003)  
 Cedar Waxwing – Prescott (2003)  
 Yellow Warbler – Grenville (2003)  
 Chestnut-sided Warbler – Ottawa (2003)  
 Black-throated Green Warbler – Algoma (2003)  
 Mourning Warbler – Norfolk (2003)  
 Hooded Warbler – York (2002)  
 Chipping Sparrow – Glengarry (2003), Prescott (2003)  
 Field Sparrow – Huron (2003)  
 LeConte's Sparrow – Kenora (2003)  
 Nelson's Sharp-tailed Sparrow – Kenora (2003)  
 Orchard Oriole – Bruce (2002)  
**Pine Grosbeak** – Kenora (2003)  
 Purple Finch – Leeds (2002)  
 House Finch – Huron (2003)

## ACKNOWLEDGEMENTS

As always we wish to thank our regular ONRS contributors and also the Ontario Breeding Bird Atlas (OBBA) volunteers for the quality and increased numbers of their nest card submissions to this program. The added contributions from atlasers in this, the third year (2003) of the Atlas has been even greater than that of year two, just as it showed improvement over year one. We feel confident that these valuable contributions will continue in the final two years of the Atlas, and would again suggest that atlasers retain their squares after the conclusion of the Atlas in 2005, and carry on the search for active nests and to submit these needed records to the ONRS. Our program has enjoyed a cooperative and mutually beneficial association with the present Atlas, and we wish to express our sincere appreciation to Mike Cadman, Nicole Kopysh, and the Regional Coordinators for their support of the ONRS. We wish the Atlas every success in its final two years.

Together with Mark Peck, CBCB Technician at the ROM, and my partner in managing this program, I wish to express our gratitude to the staff of the Ornithology division of the CBCB: Brad Millen, CBCB Technician, for his valued assistance with data entry and geo-referencing; Sue Chopra, Accounts Officer and Chris Pankewycz, Administrative Assistant; Kirsten Greer, Crystal Baldwin, John Brett, and Faiza Hussein for data entry and the scanning of historical nest cards; to Kim Bond, our regular volunteer, for his assistance; and to Ross James, Departmental Associate, for his appreciated advice on ONRS matters and our continuing updates of the *Breeding Birds of Ontario*. Our thanks are extended to Dr. Judith Eger, and to the Centre for Biodiversity and Conservation Biology (CBCB) for additional funding for our program.

Bird Studies Canada (BSC) and its staff (Denis LePage, Jon McCracken, Debbie Badzinski, Rosie Kirton) have been a great help in historical card scanning, web-site maintenance for card entry and the down-loading of ONRS-related material, assignment of observer numbers,, and for their annual submissions of records to the ONRS of such signal species as Bald Eagle, Prothonotary and Hooded Warblers, to help keep our files complete and up-to-date.

Our continued gratitude is extended to the Canadian Wildlife Service and to Rick Pratt, Ontario Division, for their interest and annual financial support of the ONRS, which has allowed our program to flourish and become a valuable environmental database.

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Spring 2004

**Table 1: Card Totals per Species**

<b>SPECIES</b>	<b>Pre-2002</b>	<b>2002</b>	<b>2003</b>
Snow Goose (SNGO)	17	2	1
Ross's Goose (ROGO)	-		
Canada Goose (CAGO)	1239	86	90
[Brant] (BRAN)	-		
Mute Swan (MUSW)	299	8	5
Trumpeter Swan (TRUS)	54	6	1
Tundra Swan (TUSW)	8	2	
Wood Duck (WODU)	205	1	10
Gadwall (GADW)	202		
American Wigeon (AMWI)	25		
American Black Duck (ABDU)	385	2	2
Mallard (MALL)	1533	18	11
Blue-winged Teal (BWTE)	375		1
Cinnamon Teal (CITE)	1		
Northern Shoveler (NSHO)	16		2
Northern Pintail (NOPI)	66	10	4
Green-winged Teal (GWTE)	32		2
Canvasback (CANV)	4		
Redhead (REDH)	22		
Ring-necked Duck (RNDU)	36		
Greater Scaup (GRSC)	5	1	
Lesser Scaup (LESC)	10	1	2
King Eider (KIEI)	1		
Common Eider (COEI)	10		
Surf Scoter (SUSC)	-		
White-winged Scoter (WWSC)	1		
Long-tailed Duck (LTDU)	5 (7)		3
Bufflehead (BUFF)	[2]		
Common Goldeneye (COGO)	127	2	1

Cont'd Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Hooded Merganser (HOME)	150	1	6
Common Merganser (COME)	136		1
Red-breasted Merganser (RBME)	38	1	
Ruddy Duck (RUDU)	19		
Gray Partridge (GRPA)	18		
Ring-necked Pheasant (RIPH)	155		
Ruffed Grouse (RUGR)	405	4	7
Spruce Grouse (SPGR)	34	1	1
Willow Ptarmigan (WIPT)	31	3	6
Sharp-tailed Grouse (STGR)	2		
Greater Prairie-Chicken (GPCH)	2		
Wild Turkey (WITU)	30	2	4
Northern Bobwhite (NOBO)	15		
Red-throated Loon (RTLO)	7	1	2
Pacific Loon (PALO)	22		2
Common Loon (COLO)	567	8	10
Pied-billed Grebe (PBGR)	517	2	
Horned Grebe (HOGR)	12		
Red-necked Grebe (RNGR)	122 (124)	5	5
Eared Grebe (EAGR)	4		
American White Pelican (AWPE)	50		
Double-crested Cormorant (DCCO)	612	6	10
American Bittern (AMBI)	279	1	
Least Bittern (LEBI)	387		
Great Blue Heron (GBHE)	877	19	18
Great Egret (GREG)	53	3	4
Snowy Egret (SNEG)	1		
Cattle Egret (CAEG)	32		
Green Heron (GRHE)	248	1	2

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Black-crowned Night-Heron (BCNH)	475	1	5
[Yellow-crowned Night-Heron] (YCNH)	-		
Turkey Vulture (TUVU)	118	6	5
Osprey (OSPR)	1070 (1077)	40	41
Bald Eagle (BAEA)	786 (1166)	49	45
Northern Harrier (NOHA)	289		3
Sharp-shinned Hawk (SSHA)	98	5	2
Cooper's Hawk (COHA)	169	7	5
Northern Goshawk (NOGO)	188	8	5
Red-shouldered Hawk (RSHA)	449	4	1
Broad-winged Hawk (BWAH)	228	7	9
[Swainson's Hawk] (SWHA)	[1]		
Red-tailed Hawk (RTHA)	1284	35	29
Rough-legged Hawk (RLHA)	6	3	
Golden Eagle (GOEA)	24	4	1
American Kestrel (AMKE)	400	17	5
Merlin (MERL)	121	15	7
Peregrine Falcon (PEFA)	156	4	2
Yellow Rail (YERA)	4		
King Rail (KIRA)	14		
Virginia Rail (VIRA)	233	3	
Sora (SORA)	270	1	
Common Moorhen (COMO)	530		
American Coot (AMCO)	465		
Sandhill Crane (SACR)	28	1	3
American Golden-Plover (AMGP)	6		
Semipalmated Plover (SEPL)	53	3	2
Piping Plover (PIPL)	132		
Killdeer (KILL)	1574	23	18

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
American Avocet (AMAV)	-		
Greater Yellowlegs (GRYE)	2		1
Lesser Yellowlegs (LEYE)	4		1
Solitary Sandpiper (SOSA)	2		1
Spotted Sandpiper (SPSA)	837	3	12
Upland Sandpiper (UPSA)	70		1
Whimbrel (WHIM)	10		2
Hudsonian Godwit (HUGO)	2	1	1
Marbled Godwit (MAGO)	1		
Semipalmated Sandpiper (SESA)	16		2
Least Sandpiper (LESA)	10	2	
Pectoral Sandpiper (PESA)	-		
Dunlin (DUNL)	13	3	5
Stilt Sandpiper (STSA)	-		
Short-billed Dowitcher (SBDO)	1		
Wilson's Snipe (WISN)	97	2	5
American Woodcock (AMWO)	320	5	5
Wilson's Phalarope (WIPH)	59	1	
Red-necked Phalarope (RNPH)	7		
Parasitic Jaeger (PAJA)	4		1
Little Gull (LIGU)	24		
Bonaparte's Gull (BOGU)	14	2	
Ring-billed Gull (RBGU)	629	3	4
California Gull (CAGU)	2		
Herring Gull (HERG)	1851	14	16
Great Black-backed Gull (GBBG)	46(47)		3
Caspian Tern (CATE)	177		1
Common Tern (COTE)	814	7	3
Arctic Tern (ARTE)	20	2	4

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Forster's Tern (FOTE)	62		
Black Tern (BLTE)	1254	8	2
Black Guillemot (BLGU)	1		
Rock Pigeon (ROPI)	288	18	13
[Eurasian Collared-Dove] (ECDO)			[1]
Mourning Dove (MODO)	2258	37	21
<i>Passenger Pigeon (PAPI)</i>	4		
Black-billed Cuckoo (BBCU)	487	3	5
Yellow-billed Cuckoo (YBCU)	124	1	1
Barn Owl (BNOW)	41		
Eastern Screech-OWL (EASO)	124	1	3
Great Horned Owl (GHOW)	820	25	18
Northern Hawk Owl (NHOW)	15	9	1
Barred Owl (BDOW)	33	4	3
Great Gray Owl (GGOW)	13	9	
Long-eared Owl (LEOW)	133		1
Short-eared Owl (SEOW)	31	1	2
Boreal Owl (BOOW)	3	2	5
Northern Saw-whet Owl (NSWO)	28	2	1
Common Nighthawk (CONI)	314		2
Chuck-will's-widow (CWWI)	1		
Whip-poor-will (WPWI)	90		
Chimney Swift (CHSW)	155		
Ruby-throated Hummingbird (RTHU)	222	5	6
Belted Kingfisher (BEKI)	451	3	9
Red-headed Woodpecker (RHWO)	307	5	7
Red-bellied Woodpecker (RBWO)	52	4	11
Yellow-bellied Sapsucker (YBSA)	631	26	32
Downy Woodpecker (DOWO)	422	24	24

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Hairy Woodpecker (HAWO)	464	33	61
American Three-toed Woodpecker (ATWO)	28	4	2
Black-backed Woodpecker (BBWO)	141	4	7
Northern Flicker (NOFL)	1232	35	30
Pileated Woodpecker (PIWO)	193	14	15
Olive-sided Flycatcher (OSFL)	27	1	
Eastern Wood-Pewee (EAWP)	322	4	4
Yellow-bellied Flycatcher (YBFL)	20		1
Acadian Flycatcher (ACFL)	104(107)	19	45
'Traill's Flycatcher Complex' (TRFC)	172		
Alder Flycatcher (ALFL)	64	1	1
Willow Flycatcher (WIFL)	122	2	1
Least Flycatcher (LEFL)	327	12	13
Eastern Phoebe (EAPH)	2168(2211)	45	27
Great Crested Flycatcher (GCFL)	460	12	5
Western Kingbird (WEKI)	4		
Eastern Kingbird (EAKI)	1924(1929)	24	26
Loggerhead Shrike LOSH)	559(560)		
Northern Shrike (NSHR)	-		
White-eyed Vireo (WEVI)	13		
Yellow-throated Vireo (YTVI)	100(101)		
Blue-headed Vireo (BHVI)	84	3	
Warbling Vireo (WAVI)	203(204)		3
Philadelphia Vireo (PHVI)	42	1	
Red-eyed Vireo (REVI)	734	20	32
Gray Jay (GRAJ)	84		
Blue Jay (BLJA)	531	10	21
Black-billed Magpie (BBMA)	14	2	
American Crow (AMCR)	963	34	18

Cont'd. **Table 1: Card Totals per Species**

<b>SPECIES</b>	<b>Pre-2002</b>	<b>2002</b>	<b>2003</b>
Common Raven (CORA)	343(344)	27(30)	24
Horned Lark (HOLA)	198(200)	6	2
Purple Martin (PUMA)	909	5	3
Tree Swallow (TRES)	6709(6711)	133	191
Northern Rough-winged Swallow (NRWS)	488(489)	4	5
Bank Swallow (BANS)	1563	7	7
Cliff Swallow (CLSW)	1048	27	18
Barn Swallow (BARS)	4228(4231)	16(18)	21
Black-capped Chickadee (BCCH)	768(775)	28	37
Boreal Chickadee (BOCH)	74		2
Tufted Titmouse (TUTI)	14		
Red-breasted Nuthatch (RBNU)	127(128)	3	7
White-breasted Nuthatch (WBNU)	146	1	10
Brown Creeper (BRCR)	118	2	3
Carolina Wren (CARW)	47(48)	2	2
Bewick's Wren (BEWR)	5		
House Wren (HOWR)	2012(2087)	52	47
Winter Wren (WIWR)	45		
Sedge Wren (SEWR)	63(72)		
Marsh Wren (MAWR)	534(573)	3	2
Golden-crowned Kinglet (GCKI)	19	2	
Ruby-crowned Kinglet (RCKI)	29(35)		1
Blue-gray Gnatcatcher (BGGN)	180(184)	2	1
Eastern Bluebird (EABL)	6585(6881)	41	40
Mountain Bluebird (MOBL)	2		
Veery (VEER)	540(541)	9	12
Gray-cheeked Thrush (GCTH)	2		
Swainson's Thrush (SWTH)	206(207)	2	3
Hermit Thrush (HETH)	226	7	16

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Wood Thrush (WOTH)	1170(1171)	138	192
American Robin (AMRO)	7980(8027)	187	173
Gray Catbird (GRCA)	1600(1604)	20	41
Northern Mockingbird (NOMO)	147(153)	12	8
Brown Thrasher (BRTH)	917(922)	5	4
European Starling (EUST)	3136(3240)	11	10
American Pipit (AMPI)	5	3	
Bohemian Waxwing (BOWA)			1
Cedar Waxwing (CEDW)	1231(1236)	22	10
Blue-winged Warbler (BWWA)	18		
Golden-winged Warbler (GWWA)	36		
'Brewster's Warbler' (hybrid) (BRWA)	2		
['Lawrence's Warbler'] (hybrid) (LAWA)	-		
Tennessee Warbler (TEWA)	30	1	
Orange-crowned Warbler (OCWA)	1		1
Nashville Warbler (NAWA)	109	1	1
Northern Parula (NOPA)	7		
Yellow Warbler (YWAR)	2097	8	21
Chestnut-sided Warbler (CSWA)	312	4	14
Magnolia Warbler (MAWA)	146(147)	3	5
Cape May Warbler (CMWA)	5	1	
Black-throated Blue Warbler (BTBW)	54	2	2
Yellow-rumped Warbler (YRWA)	231	4	5
Black-throated Green Warbler (BTNW)	67		5
Blackburnian Warbler (BLBW)	39	2	
Pine Warbler (PIWA)	18(27)		
[Kirtland's Warbler] (KIWA)	-		
Prairie Warbler (PRAW)	49		
Palm Warbler (PAWA)	21		1

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Bay-breasted Warbler (BBWA)	19		
Blackpoll Warbler (BLPW)	5	1	1
Cerulean Warbler (CERW)	87		
Black-and-white Warbler (BAWW)	76		1
American Redstart (AMRE)	548(549)	6	12
Prothonotary Warbler (PROW)	163 (184)		1
Ovenbird (OVEN)	543	56	32
Northern Waterthrush (NOWA)	120(125)		3
Louisiana Waterthrush (LOWA)	17		
[Connecticut Warbler] (CONW)	[1]		
Mourning Warbler (MOWA)	46	1	1
Common Yellowthroat (COYE)	226	5	3
Hooded Warbler (HOWA)	234(235)	1	54
Wilson's Warbler (WIWA)	15	1	1
Canada Warbler (CAWA)	32		
Yellow-breasted Chat (YBCH)	21		
Scarlet Tanager (SCTA)	98	1	5
Eastern Towhee (EATO)	177	1	3
American Tree Sparrow (ATSP)	13		
Chipping Sparrow (CHSP)	1977(1980)	16	16
Clay-colored Sparrow (CCSP)	48		
Field Sparrow (FISP)	430	1	6
Vesper Sparrow (VESP)	541(542)		1
Lark Sparrow (LASP)	9		
Savannah Sparrow (SAVS)	692(694)	10	79
Grasshopper Sparrow (GRSP)	89		
Henslow's Sparrow (HESP)	13		
LeConte's Sparrow (LCSP)	9		2
Nelson's Sharp-tailed Sparrow (NSTS)	3		1

Cont'd. Table 1: Card Totals per Species

SPECIES	Pre-2002	2002	2003
Fox Sparrow (FOSP)	5		4
Song Sparrow (SOSP)	2227(2231)	15	13
Lincoln's Sparrow (LISP)	31	1	1
Swamp Sparrow (SWSP)	292	3	2
White-throated Sparrow (WTSP)	543(546)	8	12
Harris's Sparrow (HASP)	1		
White-crowned Sparrow (WCSP)	22		4
Dark-eyed Junco (DEJU)	194	6	2
Lapland Longspur (LALO)	14		
Smith's Longspur (SMLO)	16	1	
Snow Bunting (SNBU)	-		
Northern Cardinal (NOCA)	502(504)	29	31
Rose-breasted Grosbeak (RGRB)	677	57	107
Indigo Bunting (INBU)	249	3	12
Dickcissel (DICK)	32(35)		1
Bobolink (BOBO)	164(165)	1	2
Red-winged Blackbird (RWBL)	8055(8058)	32	31
Eastern Meadowlark (EAME)	443	4	
Western Meadowlark (WEME)	9		
Yellow-headed Blackbird (YHBL)	50		
Rusty Blackbird (RUBL)	44	1	
Brewer's Blackbird (BRBL)	259	1	1
Common Grackle (COGR)	2902	18	20
Brown-headed Cowbird (BHCO)	3918	88	153
Orchard Oriole (OROR)	88	3	1
Baltimore Oriole (BAOR)	940(943)	19	15(16)
Pine Grosbeak (PIGR)	[1]		1
Purple Finch (PUFI)	135	1	
House Finch (HOFI)	328(332)	7	7
Red Crossbill (RECR)	9		
White-winged Crossbill (WWCR)	10(12)		
Common Redpoll (CORE)	20	3	1
[Hoary Redpoll] (HORE)	-		
Pine Siskin (PISI)	44(47)		
American Goldfinch (AMGO)	1521	21	10
Evening Grosbeak (EVGR)	12		
House Sparrow (HOSP)	1589(1619)	6(7)	6

Note: Brackets [ ] around a name indicate a hypothetical breeding species; brackets around a corresponding card number indicate a nesting or nestings lacking documentation. Where a number is followed by a number in parentheses ( ), used only for non-colonial species, the card number total is on the left, and the nest number total is in parentheses, indicating that more than one nest was described on some of the cards, eg. Bald Eagle, House Sparrow.

**Table 2A: Current Regions – Total of Cards and Species to 2003**

REGION	Card	Spp	REGION	Card	Spp
Algoma (ALGO)	1172	111	Middlesex (MIDD)	2889	139
Brant (BRAN)	684	80	Muskoka DM (MUSK)	1158	110
Bruce (BRUC)	2953	155	Niagara (NIAG)	1997	109
Chatham-Kent (post-2000)(CHAT)	94	42	Nipissing (NIPI)	3725	152
Cochrane (COCH)	1363	131	Norfolk (post-2000) (NORF)	741	75
Dufferin (DUFF)	3332	106	Northumberland (NORT)	3810	125
Dundas** (DUND)	87	26	Ottawa (post-2000) (OTTA)	358	71
Durham RM (DURH)	3192	131	Oxford (OXFO)	1630	104
Elgin (ELGI)	1506	131	Parry Sound (PARR)	2656	137
Essex (ESSE)	2430	118	Peel RM (PEEL)	1060	79
Frontenac (FRON)	1671	149	Perth (PERT)	328	76
Glengarry** (GLEN)	435	65	Peterborough (PETE)	3006	128
Grenville** (GREN)	265	58	Prescott** (PRES)	156	62
Grey (GREY)	4410	129	Prince Edward (PRIN)	1436	110
Haldimand (post-2000) (HALD)	27	16	Rainy River (RAIN)	1316	128
Haliburton (HALI)	1185	107	Renfrew (RENF)	532	93
Halton RM (HALT)	1907	107	Russell** (RUSS)	89	39
Hamilton (post-2000) (HAMI)	19	15	Simcoe (SIMC)	8016	169
Hastings (HAST)	614	99	Stormont** (STOR)	118	36
Huron (HURO)	1201	76	Sudbury (SUDB)	2211	146
Kawartha Lakes (post-2000)(KAWA)	109	52	Thunder Bay (THUN)	2082	151
Kenora (KENO)	2560	171	Timiskaming (TIMI)	1096	104
Lambton (LAMB)	1428	128	Toronto (TORO)	1924	131
Lanark (LANA)	1328	84	Waterloo RM (WATE)	1027	78
Leeds** (LEED)	1503	128	Wellington (WELL)	3280	127
Lennox & Addington (LENN)	717	106	York RM (YORK)	3203	132
Manitoulin (MANI)	1304	138	NWT/Nunavut/Misc.	94	22

\*\* combined counties

**Table 2B: Historical Regions – Total of Cards and Species to 1974 and to 2000**

REGION	Card	Spp	REGION	Card	Spp
Carleton Co. (pre-1975) (CARX)	896	106	Norfolk Co. (pre-1975) (NORX)	2075	124
Durham Co. (pre-1975) (DURX)	2189	131	Ontario Co. (pre-1975) (ONTX)	4300	137
Haldimand Co. (pre-1975) (HADX)	150	63	Ottawa-Carleton (pre-2001)(OTCX)	1390	111
Haldimand-Norfolk (pre-2001)(HANX)	4072	150	Peel Co. (pre-1975) (PEEX)	1464	103
Halton Co. (pre-1975) (HATX)	2311	110	Victoria Co. (pre-2001) (VICX)	1792	125
Hamilt.-Wentworth(pre-2001)(HAWX)	1820	103	Waterloo Co. (pre-1975) (WATX)	837	102
Kent Co. (pre-2001) (KENX)	3793	143	Welland Co. (pre-1975) (WELX)	344	110
Lincoln Co. (pre-1975) (LINX)	887	84	Wentworth Co. (pre-1975) (WENX)	2064	93
Muskoka Dist. (pre-1975) (MUSX)	1179	112	York Co. (pre-1975) (YORX)	7021	141

**Total cards - 128,024**  
**Total nesting species - 286**

**Table 3: Contributors and Card Numbers processed for ONRS 35**

NAME	card	NAME	card	NAME	Card
Addison, E. & K.	1	Binsfield, G.	17	Carlisle, B.	3
Albert, M. A.	33	B.S.C. (Badzinski, D.)	28	Carlson, M.	1
Allair, J. M.	60	B.S.C. (Kurcz, M.)	5	Cartwright, C.	16
Allen, L. A.	1	B.S.C. (McCracken, J.)	10	Catto, M.	15
Allen, M.	15	B.S.C. (Timpf, M.)	20	Chojnacki, M.	2
Allison, K.	1	Bostock, D.	6	Clarke, K. A.	1
Amesbury, J.	4	Bree, D.	1	Clements, B.	153
Anthony, L.	1	Brethour, A.	1	Coady, G.	2
Attia, Y.	1	Bridge, W.	2	Coles, G.	28
Aubin, A.	1	Brunton, D.	1	Collyer, D.	12
Baker, G. N.	14	Bryan, R.	12	Cosby, F.	8
Banting, N.	1	Bryan, S.	27	Cuddy, D.	2
Beacroft, C.	1	Buck, W.	4	Currie, H.	1
Bell, J. T.	2	Burrell, K.	1	Curry, B.	1
Belyea, G.	45	Carley, J.	1	Davidson, A. H.	2

Cont'd. Table 3: Contributors and Card Numbers processed for ONRS 35

NAME	Card	NAME	card	NAME	Card
Dewey, J.	27	Haas, C.	1	Lang, A.	5
Dickinson, C.	1	Hamill, S.	76	Lepage, D.	2
Drew, L.	5	Hamilton, D.	1	Lewington, D.	8
Dunsmore, T.	2	Harris, A.	1	Lipinski, R.	1
Eagles, P.	1	Harris, B.	3	Lougher, B.	1
Eberly, R.	1	Haselmayer, J.	28	Lumsden, H.	16
Edmunds, B.	8	Hasler-Watts, P.	2	Mackenzie, S.	7
Elder, D.	5	Hepburn, R.	1	Mann, B. A.	1
Ellingwood, C.	8	Hodgson, P.	1	Mann, C. L.	2
Ertolahti, A.	18	Hofmann, T.	1	Martin, D.	40
Escott, N.	4	Holder, M.	1	Martin, P	1
Falconer, M.	2	Holt, M.	3	Mathusz, S. A.	2
Fazio, L.	2	Humphries, J.	13	McCaw, R.	4
Featherston, L. C.	1	Iron, J.	1	McCracken, J.	7
Field, J.	6	Irvin, T.	16	McCudden, B. & V.	2
Fleguel, M.	1	James, R. D.	97	McGregor, S.	3
Francis, C. M.	32	Jarvis, T. A.	2	McLaren, P.	1
Francis, F.	6	Jaski, G.	4	McLeod, M.	5
Frank, R.	26	Jazvak, F.	8	Merry, D.	3
Freer, G. M.	1	Johanson, A.	6	Mess, A.	1
Fuller, P.	2	Johnson, J.	34	Miller, M. A.	1
Gage, S.	1	Jones, C. D.	1	Mills, A.	25
Gardiner, D.	1	Karst, J.	8	Morgenstern, B.	1
Garvey, M.	1	Keenleyside, J.	1	Muir, M.	5
Geale, J.	5	Kennedy, A.	1	Murphy, G.	9
Gibson, F.	18	Kerr, D. J.	5	Murphy, S.	6
Gildner, D. T.	6	Kits, J.	11	N. Amer. Birds	7
Goodwin, C. E.	1	Konze, K.	15	Nuttall, L.	2
Goulet, A.	15	Kopysh, N.	6	Obbard, M.	8
Gravel, M.	5	Korol, B.	23	Ohler, M.	2
Gyokery, M.	31	Kozak, S.	2	OMNR-Sylviculture proj.	1126

Cont'd. **Table 3: Contributors and Card Numbers processed for ONRS 35**

NAME	card	NAME	card	NAME	Card
OMNR - Peterborough	44	Schmidt, L.	2	Trottier, J.	4
Ontbirds	7	Semark, G.	40	Trute, L.	4
Peck, G. K.	67	Seymour, K.	1	Tymstra, R.	6
Peck, M. K.	135	Sirois, L.	17	Vasiliauskas, S.	16
Phippen, S.	9	Sleep, D.	8	Walker, J.	11
Pilling, S.	2	Smith, J.	9	Weare, D.	4
Postance, K.	3	Smith, P. D.	3	Webster, S.	2
Poussart, C.	1	Staniforth, L.	1	Wells, B.	1
Read, P.	21	Stewart, E. & W.	1	Whitelaw, B.	1
Reilly, M.	3	Street, M.	1	Whitelaw, C.	15
Reive, B.	1	Sutinen, M.	1	Williams, S.	10
Richardson, L.	4	Szuba, K.	2	Wills, D.	6
Riggs, M.	2	Tannahill, D.	4	Woodliffe, P. A.	1
Risley, C.	1	Ticknor, E.	5	Woolner, K. E.	2
Robinson, A.	2	Tomlinson, D.	20	Yung, W.	11
Rogerson, A. J.	3	Toporowski, R. O.	1		
Romaniuk, S.	12	Tor. Field-Naturalists	1		
Saunders & Dale - TRCI	1	Tozer, R.	1		