

# 1999 Spring Bird Count

---

Peggy B. Ferebee  
Natural Science Center  
4301 Lawndale Drive  
Greensboro, NC 27455

H. T. Hendrickson  
Department of Biology -UNCG  
P. O. Box 26174  
Greensboro, NC 27402-6174

The 1999 Spring Count showed a major increase in participation over 1998: 16 count areas with 1,165 field hours in 1999 compared to 14 count areas with 814 field hours in 1998. This resulted in an increase in the number of birds reported: 75,781 individuals of 235 species in 1999 compared to 51,361 individuals of 199 species in 1998. We also had a record number of owling hours. Unfortunately owls still remained elusive. Avery County and Greenville, North Carolina, did not participate this year. Chapel Hill, Raleigh, and Columbia returned after being absent last year. Highlands is a new count. The weather in most count areas was dry and cool in the morning, with a warming trend. Some areas did report windy periods.

Because the number of hours spent in the field went up considerably this year compared to the last four years, we used the number of birds seen per field hour rather than raw numbers to determine if there had been a real change. The accompanying chart shows the actual numbers reported.

As usual in every count, some species declined over last year. Wood Duck, Chimney Swift, Killdeer, Fish Crow, Prothonotary Warbler, Common Nighthawk, Field Sparrow, and Grasshopper Sparrow had the smallest numbers since we started reporting the count in 1992. Eastern Meadowlark numbers dropped this year after showing a promising rise last year. Also dropping this year after an increase last year were Common Snipe, American Woodcock, Chipping Sparrow, and Savannah Sparrow. Song Sparrow, White-throated Sparrow, White-crowned Sparrow, and Pine Siskin numbers were also down. After years of steady increases, Canada Goose, Wild Turkey, and Horned Lark numbers are down. Many species will vary erratically in number from year to year and this count is no exception. At a low point are Pileated Woodpecker, Blue Jay, Ruby-crowned Kinglet, White-eyed Vireo, Yellow-throated Warbler, Swainson's Warbler, Yellow-rumped Warbler, and American Goldfinch. Cape May Warblers continue their steady decline.

We had a number of species that showed up in record numbers: Great Blue Heron, Red-shouldered Hawk, Sharp-shinned Hawk, Cooper's Hawk, Bank Swallow, Northern Raven, Blue-headed Vireo, Rose-breasted Grosbeak, Dark-eyed Junco, and Bobolink. A number of warbler species were also at high numbers: Blue-winged, Chestnut-sided, Magnolia, Bay-breasted, Blackpoll, and Canada. The Bald Eagle continues to increase, with 25 reported. Rough-winged, Barn and Cliff Swallows are up over last year. Big increases were shown by Swainson's Thrush, Worm-eating Warbler, Purple Finch, and Orchard Oriole. Northern Parula, Yellow Warbler, Black-throated Blue Warbler, American Redstart, Kentucky Warbler, and Swamp Sparrow are also

up. After several years of apparent decline, Eastern Wood-Pee-wee and Acadian Flycatcher showed an increase in numbers.

### Compilers' Comments

**CHNC-Chapel Hill, NC** Center Franklin and Columbia Streets, Chapel Hill. May 2, 0500-1930 h. Temperature range 45-70°F. No precipitation, wind 10-15 mph northeast with partly cloudy skies.

Participants: Compiler: Will Cook, 418 Sharon Rd., Chapel Hill, NC 27514: Dick and Pat Ballard, Anne Beckwith, Norm Budnitz, Sandy Cash, Bob Chase, Ramona Conyers, Anson Cooke, Dwayne Cooke, Tom Driscoll, Beth Duncan. Paul Ferster, Kent Fiala, Cynthia Fox, John Frederick, Maury and Marie Graves, Perry Haaland, Ken Harden, Ruth Harris, Walton Haywood, Pat and Pete Hobson, Fran Hommersand, Alan Johnson, Eleanor and Fred Kilgour, Ken Knapp, Roger Kohn, Judy Murray, Monica Nees, Oliver Orr, Franchesca Perez, Mangus Persmark, Jeff Pippin, Kevin Powell, Jay Rabb, Russell and Ruth Roberson, Terry Roberts, Kathy Roggenkamp, Barbara Roth, Mike and Lois Schultz, Doug Shadwick, Jonathan Steere, Elvin Strowd, Pam Timmons, Les Todd, Joanna Vondrasek, Haven Wiley, Bobbie Wilkerson.

Overall this was an average count, both in number of species and number of individuals. The cool, windy weather hindered birding by ear, but we still managed to find plenty of warblers. The best bird was our first record of the Tricolored Heron. Other goodies were our second "Brewster's" Warbler, Common Snipe, Sedge Wren, and Gray-cheeked Thrush. We set or tied record high counts for Great Blue Herons, Brown Thrasher, Turkey Vulture, Cooper's Hawk and Blue-winged Warbler. Numbers of Canada Goose, Veery, Brown Thrasher, Yellow-rumped Warbler and Pine Warbler were also higher than usual. Unusually scarce this year were Rock Dove, Mourning Dove, owls (probably due to the wind), Chimney Swift, E. Wood-Pewee, Acadian Flycatcher, American Redstart, Yellow-breasted Chat, Summer Tanager, Red-winged Blackbird, Common Grackle, and (everyone's favorite) Brown-headed Cowbird.

**DUNC-Durham, NC.** Center 1 mile north and 1 mile east of junction of Eno River and U.S. 501. Temperature 39-65°F, no precipitation. Wind calm with clear skies.

Participants: Compiler: Michael Schultz, 5504 Woodberry Rd., Durham, NC 27707; Norm Budnitz, Sandy Cash, Will Cook, Anson Cooke, Catherine Cooke, Tom Driscoll, Ken Knapp, Lois Schultz, Michael Schultz, Doug Shadwick, Benjamin Steere, Jonathan Steere, Carol Williamson, Bruce Young.

**GRNC-Greensboro, NC.** May 1, 0600-1845 h. Center the intersection of U.S. 220 and Pisgah Church Road. Temperature 45-68°F, no precipitation. Winds strong all day, gusting to 25-30 mph. Sky partly cloudy.

Participants: Compiler: Donald Allen, 2611 David Caldwell Dr., Greensboro, NC; Carolyn Allen, Donald Allen, Louise Brown, Dennis Burnette, Lynn Burnette, Charles Campbell, Chris Carter, Phil Crisp, Judith Durr, Dolores Foutch, Wally Foutch, Larry Gasper, Herbert Hendrickson, Sally

Howell, Barbara Jones, Phillip Kellam, Donna Lazeration, Elizabeth Link, Henry Link, Clarence Mattocks, James Mattocks, Lynn Moseley, Jean Murdick, Elaine Oldham, Sue Scott, Wally Sills, Barbara Smith, Laurie Sorrell, Wilford Sorrell, Emily Talbert, Laura Walker.

The 1999 Spring Count for Greensboro was marked by steady, high winds throughout the day. The thrashing of vegetation and the sound of the wind certainly complicated the finding and identification of birds. Despite this challenge the species total was higher than ordinary. The number of individuals, however, was down from the last several years.

**HPNC-Highlands, NC.** Center Highlands, NC. May 8, 0700-1700 h. Temperature 45-70°F with no precipitation. Little wind, with the skies overcast most of the day, clearing later.

Participants: Compiler: Cynthia Strain, PO Box 1238, Highlands, NC 28741; Bonnie Barton, Shirley Bohnert, Martha Brenna, Pat Brown, Pat and Charlie Davis, J.J. and Joann Ides, Frances Graves, Walker Harris, Molly Leonard, Marcia Leslie, Marianne McKay, Herman Moll, Verna Montgomery, Mary Osmar, G. Allen Palmer, Pat and John Pittari, Joe and Marilyn Riva, Fritzi E. Seifert, Maryanne Shea, Cynthia Strain, David Wood.

**ICNC- Iredell County, NC.** Center Chipley Ford Bridge at South Yadkin River. May 2, 0630-1800 h. Temperature 48-71°F with no precipitation. Wind 16-23 mph NE with sunny skies.

Participants: Compiler: Sam Cathey, 130 Park Street, Statesville, NC 28677; Penny Benbow, Sam Cathey, Cynthia Dickerson, Lois Goforth, Thad Goforth, Lislott Harberts, Lee Hollifield, Richard Holshouser, Larry Marlin, Joel McConnell, Sue McConnell, Susan Miller, Dick Mize, Janice Powell, Allein Stanley, Garnet Underwood, Ron Underwood, Laura Webb.

**JLNC-Jordan Lake, NC.** Center former crossing of New Hope River and SR 1700, now under water. May 9, 05:00-10:00 h. Temperature 55-80°F with no precipitation. Wind calm to slight breeze over land, and up to 10 mph NE on the water. Sky clear in the morning and about 10% cumulus clouds in the afternoon.

Participants: Compiler: Barbara Roth, 347 Carolina Meadows Villa, Chapel Hill, NC 27514. Co-compiler: Norman Budnitz, 4115 Garret Rd., Durham, NC 27705; Patsy Baily, Barbara Beaman, Eve Becker, Kyle Blankenship, Barbara Brooks, Norman Budnitz, Chuck Byrd, Robert Chase, Barbara Coffman, Bobbie Collins-Perry, Will Cook, Anson Cooke, Jefferson Dalby, Emily DeVoto, Shelia Donn, Tom Driscoll, Beth Duncan, Cynthia Fox, Martha Girolami, Bryan Goldston, Maurice Graves, Perry Haaland, Stephan Hall, Rachel Harden, Russell Herman, Loren Hintz, Michael Hosey, Sam Kalat, John Kent, Eleanor Kilgour, Frederick Kilgour, Betty King, Kenneth Knapp, Roger Kohn, Janet Krakauer, Tom Krakauer, Jane Lewis, Barbara Logue, Terry Logue, Phil Manning, Melinda Meade, Jill Midgett, Lynn Milich, Kyle Mills, Michael Mills Sr., Judy Murray, Rick Payne, Francesca Perez, Kevin Powell, Barbara Roth, Mark Schultz, Douglas Shadwick, Jennifer Shoemaker, Ginger Travis, Andy Upshaw, Margaret Vimmerstedt, Chris Weigle, Bruce Young.

Compiler's Comments: We had a successful count this year, with 58 observers in 21 parties who counted for about 150 hours. Our species total was 131, an average number, as was the total number of individual birds, 8484. Our record species total was 146, in 1992, when we experienced more shorebirds, gulls, terns and warblers. That year we had 29 species of warblers; this year we had only 24 species.

Among our more unusual species were three Little Blue Herons, seen during previous spring counts only in 1978, 1984, 1987, and 1996. These were observed by two parties, with two herons being in calico plumage. Also found were 6 Great Egrets, not found since 1991. One Snowy Egret was also located, previously seen only in 1978 and 1984.

A scaup species was located on the lake. Lesser Scaup had been seen before the lake was there, but seldom since. One odd occurrence was the appearance of a Common Merganser, which has been seen in all the odd years since 1991 in the same area of the lake. We cannot determine if this is the same male bird.

One Northern Harrier was found, the first since 1992. A number were seen before that but they are rapidly losing their habitat.

Among shorebirds, two Semipalmated Sandpipers were counted, not seen since 1992. The only other sandpipers were the Spotted and the Solitary.

Notable were the numbers of cavity-nesting birds in which we had highs. The Red-headed Woodpeckers were surprising in that they were not located at the usual sites, some of which were barren. This merits further study, to question the observers as to exactly where these sites were and how the habitats might be changing.

The chickadees and titmice have been increasing quite steadily over the years. And this is not due to more feeders, as other people have found in their areas. Here the majority of our count areas are away from populated areas, except for the occasional farm. Instead, many of the abandoned fields around the lake area are growing up into forests. The number of Pine Warblers illustrates this. We certainly had an excellent Magnolia Warbler fallout - 19 vs. a previous high of 6.

The Bachman's Sparrows have lost their habitat, at least for the time being. Many of the areas clear-cut by Weyerhaeuser and other companies are fast growing up in young pines. We did not find a single Savannah or Grasshopper Sparrow. Their habitats seem doomed as development constantly takes place. The meadowlarks, however, were hanging on, particularly in the south part of the circle near the Deep River, where there are large, uncut hay fields. That's where the Bobolinks were found.

People have been commenting on the paucity of hummingbirds this spring. This was not reflected in the count, which was average for this species. The Wood Thrush and the tanagers seem to be holding their own in this area to date. Breeding bird censuses would provide more information here since some of the above birds may have been in transit.

This time we had only one area which had not been counted before, the Beaver Creek arm of Jordan Lake. It was covered by a 9-hour kayak workout, with the result that the Great Egrets and one Little Blue Heron were located, as well as other water birds and warblers. There was even a Wild Turkey, for a good count despite a difficult day paddling. In contrast, some parties had to pull

out at the last moment so some areas were not covered. With 58 birders out, though, I think we had good coverage of most of the habitats.

New bedroom communities continue to develop in the northern part of our circle. Industrialization increases in the Cape Fear River basin in the south. I think we will have to expect a gradual change in our bird populations, no matter how valiant our efforts to prevent it.

**MJNC-Mount Jefferson, NC.** Center as in previous years. May 8, 0610-1100 h. Temperature 52-70°F with no precipitation. Light breeze in the morning becoming gusty in the afternoon, with a clear sky.

Participants: Compiler: Vaughn W. Morrison, 262 Laurel Mountain Estates, Todd, NC 28684; George and Paula Capra, Bill Hofmann, Janet Kelly, Lenore Ketchum, Howard Langridge, Merrill Lynch, John MacConnell, Vaughn Morrison, Les Saucier, Shawn and Connie Wolfe.

**NRNC-New River, NC.** May 8, 0500-1100 h. Center 36°31'N 81°12'W. Temperature 45-65°F with no precipitation. Wind 0-5 mph NW with skies clear to partly cloudy.

Participants: Compiler: James Coman, 9124 NC Hwy 93, Piney Creek, NC 28663; Harrol Blevins, Jason Blevins, Velma Blevins, James Coman, J.H. Coman, Caroyln Comte, Henrietta Cox, Joyce Dixon, Kathryn Higgins, Jim Keighton, Caroyln Sprinkle, Connie Wolfe, Shawn Wolfe.

**RANC-Raleigh, NC.** May 8, 0600-14:45. Center Lake Wheeler Road by Farmer's Market. Temperature 65-85°F with no precipitation. Wind intermittent, 5-10 mph. Sky started clear then became partly cloudy.

Participants: Compiler: John Connors, 1227 Mordecai Drive, Raleigh, NC, 27604; J. Angerman-Stewart, S. Balsdon, J. Beardon, K. Beardon, H. Carmichael, W. Cook, K. Draves, K. Fiala, L. Gallitano, B. Hader, H. Hammond, D. Hardy, B. Hasse, E. Hasse, R. Herman, T. Hewitt, A. Hicks, K. Knapp, W. Kimler, M. Marlatt, J. Mulholland, M. Nees, B. O'Brian, M. Pollard, T.L. Quay, W. Rowland, K. Russell, R. Shaw, R. Silverman, C. Smith, R. Van Hoy, S. Wellendorf, B. Wells.

Compiler's Comments: Hurricane Fran heavily affected much of Wake County's woodlands in 1996, and the mix of downed timber, stump sprouts, and natural regeneration of forest has had an impact on wildlife, including birds. Also, Yates Millpond and Lake Raleigh remain drained as a consequence of storm damage. It is hard to determine how these changes affect bird populations, but the numbers of Brown Thrasher and Eastern Towhees were the highest in years. Northern Parulas, Prothonotary Warblers, and Scarlet Tanagers were down. Hooded Warblers were not reported! Good finds included Cattle Egret, Northern Harrier, Long-billed Dowitcher, Sedge Wren, Nashville and Swainson's Warbler, 3 Canada Warblers, and 140 Bobolinks. An isolated nest of Great Blue Herons was constructed at Greenview Pond in southern Wake (it later fledged three young). The numbers for Field Sparrows and Loggerhead Shrikes remain low. Bobwhite was not reported. There is real concern that these and a few other species will be lost as breeders in Wake County.

**RVNC-Raven Rock State Park, NC.** Center Intersection of NC 210 and SR 1434. May 8, 0600-1205 h. Temperature 64-83°F with no precipitation. Wind 0-23 mph W with skies mostly clear.

Participants: Compiler: Paul C. Hart, Raven Rock State Park, Lillington, NC 27545; Jim Bateson, David Brown, Molly Fullwood, Paul Hart, Scott Hartley, Tom Howard, Bobby Lufty, Mitch Reece, Larry Rose, Mary Stevens, Sarah Stevens, Erik Thomas.

Compiler's Comments: The count was held a little later than normal this year. The 111 species counted, however, was just above the 10-year average of 110. Good finds included an immature Bald Eagle being chased by an Osprey (Mitch Reece), Swainson's Warblers (David Brown, Bobby Lufty), a late Northern Harrier (Erik Thomas), and a new apparent breeding site for Cliff Swallows (Mary Stevens, Molly Fullwood). Holding the count a little later accounts for the larger than normal total of Blackpoll Warblers (10). Misses included American Woodcock, Wild Turkey, and Yellow Warbler (two years in a row).

**SMNC-Stone Mountain, NC.** May 8, 0600-1700 h. Temperature 60-82°F with no precipitation. Wind 5-10 mph with skies clear to partly skies.

Participants: Compiler: John G. McConnell, 2819 Silas Creek Road, Lansing, NC 28643-9006; Jim Billings, Greg P. Church, Meg Short (and 5 others unnamed).

**SPNC-Southern Pines, NC.** Center same as last year near Skyline, NC. May 2, 0430-2100 h. Temperature 48-64°F with no precipitation. Wind 10 mph N with gusts to 16mph, the NNE 15 mph with gusts to 21. Sky was partly cloudy.

Participants: Compiler: Susan Campbell, 144 Pine Ridge Dr., Whispering Pines, NC 28327; Jackie Britcher, Kerry Brust, Dick Burk, Marion Burk, Susan Campbell, J.H. Carter, Dick Dole, Lois Dole, Elizabeth Evans, Charlotte Gantz, Barbara Gearhart, Scott Hartley, Dean Holzgraft, Wayne Irvin, Tom Howard, Marion Jones, Al McDonald, Dan Pieroni, Robert Perkins, George Rainoff, Alan Schultz, Megan Schultz, Mary Stephenson, Libba Watson.

**WSNC-Winston Salem, NC.** Center intersection of Silas Creek Parkway and Business I-40 in Winston-Salem. Temperature 60-74°F with no precipitation. Wind mild and skies party cloudy.

Participants: Compiler: David Disher, 4145 Chatham Hill Drive, Winston-Salem, NC 27104; Kay Bergey, Pam Burke, Regina Burt, Zack Bynum, John Carter, Lee Carter, Peg Cochrane, Ferenc Damoki, Linda Davis, Doug Deneve, David Disher, Susan Disher, Cynthia Donaldson. Gardner Gidley, Margaret Gidley, Billy J. Hammond, Susan Hammond, Bert Hollifield, Hop Hopkins, Royce Hough, Lois Jones, Nancy Jordan, Pete Jordan, Ray Kandt, Anna Kapitov, Barbara Kendrick, Leon Kendrick, Peggy Kinlaw, Annette Lance, Jim Martin, Mary Ellen Martin, Jim May, Sue Moore, Tom Mowbray, Ed Mulvey, Margaret Mulvey, Mary Jo Murphy, Ann Pollard, Ed Poole, Kay Poole, Paul Powers, Susan Pullen, Lloyd Ramsey, Ann Robertson, Chester Robertson, Liz Schmid, Tom Schmid, Jackie Shelton, David Shuford, Ramona Snavelly, Paul

Spain, Jim Spencer, Bill Sugg, Jay Wilhelmi, Camilla Willcox, Ann Williams, Bob Witherington.

Compiler's Comments: The weather was perfect. The large numbers of Blackpoll Warblers indicated that the end of migration was near. The 66 Double-crested Cormorants were a new high for the count. A count first was seen during count period. A Wild Turkey was seen walking down the street of a residential area. This bird may be the result of efforts to re-establish populations in neighboring counties.

**CASC-Charleston, SC.** Center same as Christmas Count. April 25, 1200-2400. 60-70°F with rain in the morning and scattered mist in the afternoon. Wind NE 20-35 mph with gust to 35+. Sky overcast and cloudy.

Participants: Compiler: Edwin Blitch, III, 96 Wyecreek Ave., Charleston, SC. 29412-2525; Edwin L. Blitch, Edwin L. Blitch III, Edwin Blitch IV, Bob Chinn, Calvin Clyde, Allen Crane, Doreen Cubie, Hal Currie, Dennis Forsythe, Donna Forsythe, Andrew Harrison, Julian Harrison, Drew Heffron, Paul Hinchcliff, Herbert MacMurphy, David C. McLean, David C. McLean Jr., Perry Nugent, Gloria Pennell, Cecelia Post, Kathleen Post, Will Post, Tonya Spires.

**CGSC-Congaree Swamp, SC.** May 8, 0600-1100. Temperature 60-82°F with no precipitation. Wind variable N to W 5-12 mph. Sky partly cloudy to clear.

Participants: Compiler: Robin Carter, 4165 E. Buchanan Dr., Columbia, SC 29206; Robin Carter, Dennis Forsythe, Donna Forsythe, Heidi Hoerman, Jack Stewart, Lula Stewart.

**SPSC-Spartanburg, SC.** Center at Spartanburg Airport. May 8, 0530-2230 h. 63-77°F with no precipitation. Wind 7-16 mph, partly cloudy.

Participants: Compiler: Lyle Campbell, 126 Greengate Lane, Spartanburg, SC 29307; John Allen, Robbie Allen, Barney Altman, Frankie Altman, John Barry, Susan Barry, Beth Bartel, Tim Brown, David Campbell, Lyle Campbell, Matthew Campbell, Sarah Campbell, Alan Chalmers, Edith Clark, Marion Clark, Matthew Coleman, Vince Connors, Pat Fowler, Roy Fowler, Teresa Glen, Conway Henderson, J. B. Hines, Myra Hines Joel Jones, Micky Marotte, Jim Miller, Margaret Miller, Susan Monk, Bell Moody, Nora Moore, Mary Anne Myers, Gill Newberry, Ken Pearson, Lisa Pearson, Bob Powell, Doug Raynor, Crystal Schirmer, Walton Scott, Jenny Scott, Mac Shealey, Tina Taylor.

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Common Loon			*	1		1						2					4
Pied-billed Grebe														11			11
Northern Gannet														3			3
Brown Pelican														110			110
Dbl.-cr. Cormorant	156342	56				157			2	15		24	66	172	1	8	999
Anhinga														2	1		3
Least Bittern														2			2
Great Blue Heron	23	90	10	4	11	36	2	4	25	13		11	7	19	13	16	284
Great Egret		4				6		1	1					93	1		106
Snowy Egret						1								90			91
Little Blue Heron						3								18			21
Tricolored Heron	1	1												40			42
Cattle Egret		1							1					4	7		13
Green Heron	11	1	9		12	16		2	5	7		10	8	26	2	*	109
Black-cr. Nt.-Heron														2			2
Yel.-cr. Nt.-heron													2		11		13
White Ibis														37			37
Glossy Ibis														2			2
Wood Stork														1			1
Mute Swan									1			1					2
Canada Goose	227	84	449	9	52	53	4	33	213	87	2	116	204	11	5	54	1603
Wood Duck	35	42	13	4	8	51		5	20	17		27	20	14	5	15	276
Green-winged Teal				1													1
Am. Black Duck			2											1		4	7
Mallard	64	37	211	31	10	50		2	77	21		58	78	33		99	771
Mottled Duck														2	2		4
Northern Pintail			2														2
Blue-winged Teal		10										1	73				84
Ring-necked Duck												4					4
Lesser Scaup			1									16	9				26
Scaup (sp.)						1											1
Black Scoter														22			22
Hooded Merganser														1			1



Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Com. Merganser						1											1
Red-br. Merganser			5					1						11			17
Ruddy Duck																	0
Black Vulture	26	26	*	1	5	26	1	10			12		10	43	10	9	179
Turkey Vulture	131	40	35	12	37	93	25	98	16	21	22	26	37	155	25	34	807
Osprey	5	9	5	2	3	19	1	*	2	2		2		46	1	1	98
Swallow-tailed Kite														1			1
Mississippi Kite														3	18		21
Bald Eagle	11	3	1			6				1		1		2			25
Northern Harrier						1			1	1				1			4
Sharp-shin. Hawk	4		4	1	2	1	2	2	1		1	2	2	2			24
Cooper's Hawk	5	1	2		1	4	2	5	5			1	3			2	31
<i>Acciper</i> sp.	1									1		1					3
R.-shoulder. Hawk	26	15	5		6	32			15	7		9	11	3	6	14	149
Brd.-winged Hawk	2	3	4	4	3	4	*	4		3	3	4	2			2	38
Red-tailed Hawk	34	19	27	3	11	24	8	11	18	18	1	21	25	17	6	13	256
<i>Buteo</i> sp.						1											1
Amerian Kestrel	1		4		2		1	5	1		2	2	3	5		1	27
Merlin			1		2									1			4
Peregrine Falcon														1			1
Ruffed Grouse				1			1	4			1						7
Wild Turkey		3		2	4	2	3	54			9		*	4		3	84
Northern Bobwhite	5	2	1	1	13	21		2		25		5	12	13	6	10	116
Black Rail																	0
Clapper Rail														61			61
King Rail														5			5
Virginia Rail									1								1
Sora														1			1
Common Moorhen														32			32
American Coot			3		1	2						4		45			55
Black-bld. Plover														157			157
Semipalm. Plover													1	50			51
Killdeer	30	27	25		26	49		14	17	39		17	24	18	3	16	305

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Am. Oystercatcher													36				36
Greater Yellowlegs								1		4			98			1	104
Lesser Yellowlegs					2					5		1	5	22		1	36
Solitary Sandpiper	10	3	12		15	8		2	10	6		7	22	2		9	106
Willet													75				75
Spotted Sandpiper	16	4	15	3	20	32		13	31	23		26	30	20		11	244
Whimbrel													357				357
Marbled Godwit													1				1
Ruddy Turnstone													78				78
Red Knot													150				150
Sanderling												1	6				7
Semipal. Sandpiper						2			1				1	30		3	37
Western Sandpiper								2	1				12				15
Least Sandpiper									15	9		27	30	7		1	89
Baird's Sandpiper													*				0
Dunlin													102				102
Sh.-bill. Dowitcher													770				770
L.-billed Dowitcher									1								1
Common Snipe	1		2													2	5
Am. Woodcock		1	1		1												3
Laughing Gull													804				804
Bonaparte's Gull			2			7							8				17
Ring-billed Gull	8	134	128			126			16			2	1	92			507
Herring Gull			2											21			23
Gull-billed Tern														10			10
Caspian Tern			2			1						3		15			21
Royal Tern														39			39
Sandwich Tern														11			11
Common Tern														4			4
Forster's Tern			2											70			72
Least Tern														46			46
Black Skimmer													309				309
Rock Dove	22	28	47		7	36		24	457	66		81	72	15	6	24	885

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Mourning Dove	177	74	158	23	106	190	31	61	357	200	15	163	165	147	56	89	2012
Eur. Collared-Dove															1		1
Com. Ground-Dove														4			4
Yel.-billed Cuckoo	7	1	1	1	3	61		3	1	7		1	3	5	40	*	134
East. Screech-Owl			1	1		1	1	3		5		1	1	6	1	2	23
Great Horned Owl		2		1		4	3			1		1	5	1		1	19
Barred Owl	2	7	2	2	3	14	*		3	2			2	5	8	2	52
Com. Nighthawk					2			1	1				4			1	9
Chuck-will's-widow					1	6			3	7		8	4	55	5	23	112
Whip-poor-will	7				1	36			1	10		9	3	17	4	10	98
Chimney Swift	104	45	219	4	51	144	8	37	149	189	6	238	141	23	33	88	1479
Ruby-thr. Hummer	26	13	6	29	8	20	14	34	14	14		9	11	2	6	5	211
Belted Kingfisher	10	6	13	3	6	8	2	5	15	7	1	11	10	14	1	4	116
Red-head. Woodp.	7	6	*	1	1	25		3	7	3		8	1	45	15	2	124
Red-bel. Woodp.	127	54	48		29	160	5	15	98	48		52	54	77	32	31	830
Yel.-bel. Sapsucker	1			1												*	2
Downy Woodpecker	40	18	18	2	7	53	6	15	26	14		17	18	8	4	7	253
Hairy Woodpecker	14	4	5	1	2	9	1	4	6	4		5	4	2		6	67
Red-ckd Woodp.												17		11			28
Northern Flicker	27	12	23	3	18	20	2	5	19	9		20	21	14		4	197
Pileated Woodp.	11	3	2	10	4	20	6	22	4	9	3	6	1	16	9	2	128
E. Wood-Pewee	7	1	2	8		54	3	20	11	40	2	11	13	4	18	10	204
Acadian Flycatch.	17	10	4	3		22	2	9	31	32	2	8	1	12	22	*	175
Willow Flycatcher													2				2
Least Flycatcher				2			2	1									5
Eastern Phoebe	39	11	21	29	21	45	23	43	18	30	3	15	32			32	362
Gt. Cr. Flycatcher	36	23	19	2	12	105	3	8	23	74	1	59	24	456	68	3	916
Eastern Kingbird	51	24	33		34	100	*	42	61	64		67	35	23	54	53	641
Horned Lark			3		9							4			2	*	18
Purple Martin	28	40	51		292	47		2	38	22	3	94	78	82	89	42	908
Tree Swallow	32	29	203	5		24	1	53	1			111	3	235		4	701
Rough-w. Swallow	45	10	102	11	9	19	11	43	22	21		90	32	32	13	5	465
Bank Swallow	5	1	2			1						77					86

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Cliff Swallow	3	12	1			125				6			40			6	193
Barn Swallow	108	60	495	20	57	240	9	89	90	200		418	61	453	22	43	2365
Blue Jay	137	88	140	16	47	174	15	53	121	86	11	91	174	68	43	61	1325
American Crow	287	70	237	38	121	267	56	131	195	137	33	193	139	91	61	98	2154
Fish Crow	24	12	6			21			34	14		46	2	40	12		211
Common Raven			*	2			1	22					6				31
Bl.-cap. Chickadee				1													1
Carol. Chickadee	282	121	152	51	27	202	29	61	119	76	4	76	55	61	8	37	1361
Tufted Titmouse	253	143	128	41	29	276	26	55	131	75	2	91	103	92	49	36	1530
Red-br. Nuthatch				11													11
W.-br. Nuthatch	21	14	13	18	4	12	2	23	14	1		15	16	1		6	160
Br.-he. Nuthatch	36	16	14		7	56			18	9		44	17	51	5	7	280
Brown Creeper				5													5
Carolina Wren	355	123	82	22	19	276	12	39	206	98	2	81	70	102	73	39	1599
House Wren	32	9	8	2	10	5	7	26	8	3		3	17			1	131
Winter Wren				1			1	1									3
Sedge Wren	1								1					3			5
Marsh Wren														8			8
Golden-cr. Kinglet				3													3
Ruby-cr. Kinglet	15	26	10	1	2	4	1	1				11	1	1		1	74
B-g. Gnatcatcher	229	172	44	5	19	263	4	107	125	98	4	67	56	87	32	16	1328
Eastern Bluebird	234	43	139	12	105	200	16	73	64	156	13	158	65	59	24	67	1428
Veery	9	1	5	3	2	2	3		5			2	12	1	1	1	47
Gray-cheek. Thrush	1																1
Swainson's Thrush	5	1	16		2	8	1		3	1			24		1		62
Hermit Thrush	1	2	3		1							2	1	1			11
Wood Thrush	60	32	37	20	5	97	16	13	36	46	3	41	44	5	21	7	483
American Robin	258	100	675	54	182	90	28	71	328	189	14	155	525	6	21	115	2811
Gray Catbird	57	28	24	30	13	27	22	17	25	23		46	49	8	3	8	380
N. Mockingbird	198	59	138		96	108	*	13	85	127	5	77	61	114	52	92	1225
Brown Thrasher	75	23	39	10	20	52	5	25	35	40	1	44	46	22	11	56	504
American Pipit					6												6
Cedar Waxwing	225	89	122	7	88	209		20	56	63		91	304	15		51	1340

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Loggerhead Shrike					5				1	9		6		5	8		34
Eur. Starling	338	150	530	12	168	146	26	86	267	282	33	134	280	97	29	129	2707
White-eyed Vireo	38	27	2	4	2	28	2	12	19	18	1	27	16	68	40	*	304
Blue-headed Vireo	1	2	3	47	1	4	14	5		1		3	5	2			88
Yellow-thr. Vireo	5	10	1			16	5	35	9	14		8			5	4	112
Warbling Vireo								1	11								12
Red-eyed Vireo	209	186	100	62	20	346	20	67	130	91	23	45	105	67	26	11	1508
Brewster's Warbler	1																1
Blue-winged Warb.12		2	3		3				1			2					23
Golden-wi. Warb.			2	1				4									7
Tennessee Warbler								2									2
Nashville Warbler									1					1			2
Northern Parula	65	47	21	25	7	100	*	39	32	46	4	22	19	45	32	1	505
Yellow Warbler	11	6	6	2	8	13	6	44	4			7	19		3	2	131
Chest.-sided Warb.	6	1	5	43	2	3	47	4	*			3	17				131
Magnolia Warbler	1			1		19	4	2	1				15			*	43
Cape May Warbler			1						*				4		1		6
B.-thr. Blue Warb.	50	10	39	42	3	26	18	16	24	10	2	23	33		10	1	307
Y.-rumped Warb.	351	325	227	16	38	38	10	91	30	21		260	87	309		7	1810
B-thd Green Warb.	2	6	15	24	3	2	9	7	2		4	6	3			1	84
Blackburnian Warb.	1		1	2	2				1				6				13
Yellow-thr. Warb.	22	23				99			10	27	2	13	1	27	8	3	235
Pine Warbler	154	78	39	3	7	265		1	69	41		86	27	78	37	2	887
Prarie Warbler	52	24	9		4	59	1	5	4	39		24	11	76		7	315
Palm Warbler	2	10	2		2	1	2	2		1		1					23
Bay-breasted Warb.					1	3		1	*				11				16
Blackpoll Warbler			2	2	3	29		5	13	10		3	63			2	132
Cerulean Warbler			1	1	3						1						6
Blk.-&-white Warb.	34	29	21	43	1	18	12	21	17	15	2	29	14		2	2	260
American Redstart	35	22	26	2	8	59	13	6	30	28	1	10	24		12	3	279
Prothonotary Warb.	14	17	1	1		27			6	14		1	6	25	16	*	128
Worm-eating Warb.	2	7	9	1		6			1			1	3			1	31
Swainson's Warbler									1	2					10		13

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
Ovenbird	70	18	22	25	3	130	24	58	26	41	3	32	3		1		456
N. Waterthrush	6	3	2			1		1		4		1	1	1	4	1	25
L.a. Waterthrush	11	1	2	1		16	2	1	8	10		5			1	*	58
Waterthrush sp.			2														2
Kentucky Warbler	5	3	1	1		5	6	2	5	4			1	8	4	1	46
Com. Yellowthroat	99	107	22	3	10	99	17	31	55	61		34	28	84	22	17	689
Hooded Warbler	37	9	2	16		31	14	19		19	1	21	3	17	11	*	200
Wilson's Warbler													*				0
Canada Warbler			1	4			4	1	3			1	3				17
Yellow-br. Chat	35	24	18		17	72		6	15	26		15	13	16	17	7	281
Summer Tanager	36	23	7		2	123		1	27	58		22	5	35	21	8	368
Scarlet Tanager	42	8	12	15	10	74	19	24	15	7	5	6	51			6	294
Northern Cardinal	504	202	247	52	101	303	41	62	195	166	7	153	240	253	87	103	2716
Rose-br. Grosbeak	10		11	37	7	7	15	7	9	1		3	18			6	131
Blue Grosbeak	35	7	8	1	14	76		1	11	37		23	15	20	14	15	277
Indigo Bunting	152	40	35	38	57	213	63	134	48	75	16	38	81	8	46	36	1080
Painted Bunting														60	4		64
Eastern Towhee	175	79	60	78	21	112	40	74	91	46		60	64	154	16	12	1082
Bachman's Sparrow												1		5			6
Chipping sparrow	127	29	36	21	51	108	10	41	35	129	3	84	21	1	2	29	727
Field Sparrow	58	35	27	12	30	28	1	45	3	42	8	21	18	2	14	28	372
Savannah Sparrow	6	3	8	2	1			1	7	4		4	3	8		9	56
Grasshopper Spar.	5	1	3		11			4	3	6		1	7			5	46
"Sh-tailed Spar., sp."														1			1
Seaside Sparrow														8			8
Song Sparrow	9	12	61	48	19	6	28	79	4		3	2	66	3		2	342
Lincoln's Sparrow									*								0
Swamp Sparrow	9	23	2			2			2					3			41
White-thr. Sparrow	214	248	71	3	26	16	1	4	3	4	4	42	15	14		*	665
White-cr. Sparrow	14	2			2								*				18
Dark-eyed Junco		1		58	1		33	11					1				105
Bobolink	40		25		9	14			140	180		2	*	1	2002	60	2473
Red-w. Blackbird	72	40	89	2	24	85	20	163	89	58		108	83	398	35	71	1337

Species	CHNC	DUNC	GRNC	HPNC	IRNC	JLNC	MJNC	NRNC	RANC	RVNC	SMNC	SPNC	WSNC	CASC	CGSC	SPSC	Total
E. Meadowlark	39	11	17		74	84	3	34	26	37	2	54	19	3	9	34	446
Rusty Blackbird		1	1		3												5
Boat-tailed Grackle														297			297
Com. Grackle	276	187	609	2	224	302	23	56	283	212		164	372	310	44	76	3140
Br.-head. Cowbird	63	115	38	3	22	102	13	32	38	99	15	59	64	62	13	34	772
Orchard Oriole	16	13	1		2	41		13	18	31		30	10	127	30	2	334
Baltimore Oriole	8		10	1	6	3		39	5				18				90
Purple Finch				10	2											*	12
House Finch	171	22	64	1	35	58	7	16	86	41		67	68	4	7	44	691
Pine Siskin				28													28
Am. Goldfinch	305	105	198	104	74	257	69	157	148	22	2	70	166		2	20	1699
House Sparrow	59	50	38	1	57	38	2	10	49	71	3	29	23	9	22	27	488
No. of Species	127	122	136	107	118	132	89	115	124	111	52	131	127	167	96	108	235
No. of Individ.	8681	4984	7370	1496	2941	8488	1079	3155	5682	4811	326	5233	5481	9982	3716	2356	75781
Total Field Hours	145	54.5	89.5	47	39	150	50	67.5	64.5	59.8	25	98	134	78.25	20	43.8	1165.6
Hours on foot	100	41.5	62.3	35.3	12	113	44	49.5	52.5	34	9.5	52	116	40	8.5	28.8	798.55
Hours by car	38	13	27.3	11.8	27	21.3	6	15	12	25.8	15.5	46	18.3	24	11.5	14	326.3
Hours by boat	7	0	0	0	0	13.5	0	0	0	0	0	0	0	8.25		1	29.75
Hours by bicycle		0	0	0	0	2	0	0	0	0	0	0	0	0			2
Hours by ATV		0	0	0	0	0	0	3	0	0	0		0	6			9
Hours Owling	1.8	1.5	5	0	0	6	0	0.25	1	1.25	0	5	3.5	2.5	1	4	32.8
Total Field miles	419	168	375	163	174	324	95	189	129	327	???	372	226	341.6	165	295	3761.4
Miles on foot	85.5	39	47	13.5	12	74.3	20	44	37	29		33	58.5	29	5	21	547.8
Miles by car	329	12.9	328	149	162	237	75	131	92	298		339	167	276.6	160	272	3027.5
Miles by boat	5	0	0	0	0	9	0	0	0	0		0	0	30		2	46
Miles by bicycle		0	0	0	0	4	0	0	0	0		0	0	0			4
Miles by ATV		0	0	0	0	0	0	14	0	0			0	6			20
Miles Owling	0	0.5	42	0	0	23	0	0	11	4		17	4	22.5	17	29.5	170.5
Date	2-May	25-Apr	1-May	8-May	2-May	9-May	8-May	8-May	9-May	8-May	8-May	2-May	8-May	25-Apr	8-May	8-May	