2002 Spring Bird Count

Peggy Ferebee

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This year's count covered 14 count circles, down from 16 last year. High Point, NC, Columbia, SC and Irmo, SC did not report this year. Stone Mountain, NC was added this year. The total field hours reported this year were 928.4, down from 1103 last year. This resulted in fewer birds being counted: 66,427 individuals of 188 species compared to 72,549 individuals of 232 species last year. The lack of counts from coastal areas contributed to the lower species total and lower number of shorebirds, gulls, terns and other species such as the Great Crested Flycatcher that such areas usually report. Many areas reported rain or overcast skies, which also may have affected the outcome. Some species were reported at record lows: Broad-winged Hawk, American Coot, Greater Yellowlegs, Wilson's Snipe, Eastern Kingbird, Fish Crow, White-eyed Vireo, Grasshopper Sparrow and Orchard Oriole. American Kestrels, Tree Swallows, and Blue Grosbeaks also were down. Northern Bobwhites continued their decline but Eastern Meadowlarks held steady. We actually had some good warbler numbers, except for a few species such as Cape May and Yellow-throated Warblers. We also had a record number of Great Blue Herons thanks to a productive rookery in Chapel Hill. House Finches were up but so were Purple Finches and American Goldfinches. Some of the other species with higher numbers this year include Field Sparrow, Savannah Sparrow, Bobolink, Dark-eyed Junco, and Northern Oriole.

BCNC–Asheville, NC. Circle center on Bull Mountain near Ox Creek Road. May 12. Weather partly cloudy, temperature 55°–75°F.

Participants: Compiler Marilyn Westphal, Hendersonville, NC. Sally Coburn, Kat Dunham, Lou Dwarshuis, Peggy Franklin, Charlotte Goedsche, Marilyn Kolton, Peggy Lasher, Tim Lewis, Esther Pardue, Len Pardue, Kitti Reynolds, Lee Reynolds, Les Saucier, Tom Tribble.

Compiler's comments: The second annual Buncombe County Spring Migration Count took place Sunday, May 12th with 15 participants. The Buncombe County count area covers elevations ranging from 2,000 to over 5,000 feet and captures a wide range of species including several near the southern edge of their breeding range. The most interesting species found were a Black-billed Cuckoo, a Hermit Thrush (late migrant?), and a flock of 52 Bobolinks. Other interesting finds were 28 Tree Swallows found in four of the seven sections in the count area. The breeding range of the Tree Swallow has been expanding south in North Carolina for the past few years and more are found breeding here every year. A total of 270 Cedar Waxwings were also counted, with all sections finding at least a few. This total greatly exceeds the number found on last year's count (39).

CPNC–Chapel Hill, NC. Center Franklin and Columbia. May 12, 05:00–19:30 h. Temperature 59°–87°F with SW wind 5–10 mph, under mostly sunny skies.

Participants: Compiler Will Cook, P.O. Box 3066, Durham, NC 27715. Kim Aycrigg, Scott Barnes, Todd Bishop, Brian Bockhahn, Audrey Booth, Norm Budnitz, Chris Canfield, Bob Chase, Will Cook, Anson Cooke, Dwayne Cooke, Paul Ferster, Kent Fiala, Kate Finlayson, John Frederick, Jill Froning, Marie Graves, Maurice Graves, Steven Graves, Perry Haaland, Lois Ann Hobbs, Phil Johnson, Alan Johnston, Eleanor Kilgour, Fred Kilgour, Betty King, Jim Lansing, Roy Lindholm, Ken Lundstrom, Kate MacQueen, Carolyn Mercer, Emily Minor, David Murdock, Judy Murray, Oliver Orr, Stephen Perry, Magnus Persmark, Liz Pullman, Toni Rexrode, Dori Rhodes, Mac Robinson, Josh Rose, Barbara Roth, Harriet Sato, Doug Shadwick, Mike Skakuj, Hersch Slater, Lee Sloane, Hal Snyder, Kirsten Snyder, Marsha Stephens, Edith Tatum, Judy Teague, Shelley Theye, Pam Timmons, Ginger Travis, Amalie Tuffin, Lee Van Malssen, Carol Williamson.

Compiler's comments: The Chapel Hill Spring Bird Count on May 12, 2002 had a near record amount of observer effort (190.4 party-hours), which produced a record high count of individuals and many record high counts of individual species. The total of 122 species is average, but the total of 13,706 birds beats the old record by almost 2000.

Several unusual species were found, the best of which were two Semipalmated Sandpipers at the Farrington Road wastewater plant (Stephen Perry and Brian Bockhahn), two Caspian Terns (Doug Shadwick) and one Forster's Tern (Ginger Travis) at Jordan Lake, and a Swainson's Warbler at New Hope Creek (Kent Fiala). Other birds we usually miss included the American Black Duck and Wild Turkey.

Record highs were many, thanks in part to the high level of participation. Even with that taken into consideration, though, we had an excellent count. Great Blue Herons continue their steep ascent, thanks in large part to the breeding colony at Cub Creek, Jordan Lake, found by Alan Johnston. This year's total of 243 is over 100 more than the previous record of 138, set last year. In the recent past, 10-20 Great Blues was a normal count. We also set record highs for Great Egret, Turkey Vulture, Wood Duck, Mallard, Wild Turkey, Ruby-throated Hummingbird, Red-headed, Red-bellied, Downy, and Pileated Woodpeckers, Eastern Wood-Pewee, Great Crested Flycatcher, Blue-headed Vireo, Fish Crow, Carolina Chickadee, White-breasted and Brown-headed Nuthatches, Carolina Wren, Blue-gray Gnatcatcher, American Robin, Brown Thrasher, Pine Warbler, Prothonotary Warbler, Ovenbird, Louisiana Waterthrush, Eastern Towhee, Chipping Sparrow, Song Sparrow, Northern Cardinal, Indigo Bunting, Brown-headed Cowbird, and House Finch. The record high counts for woodpeckers may be related to the large number of dead trees from Hurricane Fran. We've been setting many record highs lately for them during the Christmas Bird Counts.

We didn't set any record lows, though we missed Bobolink for the first time since 1971, and had very low numbers of Northern Bobwhites (continuing the long decline), Solitary Sandpiper (Spotteds were numerous), and Kentucky Warbler (missed at Mason Farm this year).

DUNC–Durham, NC. Center 1 mile north and east of junction of Eno River and US 501. April 28, 05:30–16:00 h. Temperature 64°–82°F with light rain in the morning. Wind variable and gusty at times, 0–15 mph, under an overcast sky.

Participants: Compiler Michael Schultz, 5504 Woodberry Road, Durham. NC 27707. Patsy Bailey, Lynn Bossong, Norm Budnitz, Sandy Cash, Will Cook, Dwayne Cooke, Rachel Harden, Janet Krakauer, Tom Krakauer, Stephen Perry, Toni Rexrode, Josh Rose, Harriet Sato, Lois Schultz, Michael Schultz, Doug Shadwick, Jonathan Steere, Matt Steere, Sarah Steere, Edith Tatum, Carol Williamson.

Compiler's comments: In general this was a lackluster count. Our species total of 115 was the lowest in 10 years. However, the individual total was only slightly below average. Cliff Swallows, Ovenbirds, Northern Waterthrushes and Indigo Buntings were in record high numbers for this count. Yellow-rumped Warblers were surprising low at 1450. This is about a quarter of the number that we usually record. The 1992 count had a similar low count but other than that we have to go back in the '70s to find similar low counts. Bobwhites and Eastern Meadowlarks continue in meager numbers reflecting their severe habitat loss in our region.

GRNC-Greensboro, NC. Center the intersection of Highway 220 N and Pisgah Church Road. May 4, 06:45–20:00 h. Temperature 49°–58°F. Precipitation 0.28 inches. Wind calm in the morning with light intermittent rain and up to 4–5 mph in the afternoon. Sky was cloudy all day.

Participants: Compiler Donald Allen, 2611 David Caldwell Drive, Greensboro, NC, (336) 288-3045. Carolyn Allen, Donald Allen, Louise Brown, Dennis Burnette, Lynn Burnette, Chris Carter, Sue Cole, Phil Crisp, Scott DePue, Larry Gasper, Herbert Hendrickson, Phillip Kellam, Elizabeth Link, Henry Link, Jean McCoy, Gregg Morris, Lynn Moseley, Jean Murdick, Jean Murphy, John Rucker, Laurie Sorrell, Emily Talbert.

Compiler's comments: Count day was a cool, cloudy, and rainy day. Thus, it was no surprise that both the number of birds and bird counters were less than could have been hoped for. Showers, at times, were heavy and birds and birders sought shelter. This combination of factors resulted in a disappointing count with diminished numbers of species and individual birds.

HCNC–Hendersonville, NC. Circle center near the corner of US 64 and Rugby Road. May 11. Temperature 60°–75°F. Weather partly cloudy. 10 parties, 18 observers.

Participants: Compiler Jim Neal, Hendersonville, NC. Ken Anderson, Helen Bell, James Craig, Larry Farer, Bet Fontaine, Peggy Franklin, Charlotte Goedsche, Rick Hensley, Barbara Neal, James Neal, Frances Ogasawara, Bob Olthoff, Janie Owens, Skylar Segsan, Ron Selvey, Simon Thompson, Marilyn Westphal, Jennifer Wren.

Comments: A total of 110 species were found on the Henderson County Spring count on May 11th. The extensive flat river valleys combined with the mountain forest produced a wide variety of species. The group found an amazing 26 species of warblers including Cerulean, Bay-breasted, and, most surprisingly, a Prothonotary. Even more surprising, the Prothonotary stuck around for three days in the marshy area along the French Broad River where it was found. Another unusual bird for Henderson County was a Sedge Wren also found near the river. The Henderson Count also produced a high number of Cedar Waxwings (214), Northern Bobwhites (17), and Field Sparrows (50). Most of the Bobwhites and Field Sparrows were found in areas that are protected from development, which clearly shows the need to protect open field habitat.

HRNC–Hanging Rock State Park, NC. Center at Visitor Center at Park. April 27, 08:00–14:30 h. Temperature 54°–63°F. No precipitation but overcast all day. Wind 5–10 mph, gusty on ridges.

Participants: Compiler Craig Standridge, Hanging Rock State Park, PO Box 278, Danbury, NC, 27016. Charles Buer, Linda Davis, Rebecca Deaton, Phil Dickinson, David Disher, Susan Disher, Sara Jo Durham, Henry Fansler, Karen Hildrith, Hop Hopkins, Judy Jordan, Margaret McJannett, Sean McLean, Ed Mulvey, Margaret Mulvey, Indira Santiago, Liz Schmid, Tom Schmid, David Shuford, Craig Standridge.

WSNC–Winston-Salem, NC. Center intersection of Silas Creek Parkway and Business I-40. May 4, 06:00–18:00 h. Temperature 59°–65°F with mild to heavy precipitation. Mild winds, variable 0–5 mph. Sky cloudy and rainy.

Participants: Compiler David Disher, 4145 Chatham Hill Dr., Winston-Salem, NC 27104. Kay Bergey, Pam Burke, Noel Bynum, Peg Cochrane, Doug DeNeve, Phil Dickinson, David Disher, Susan Disher, Gardner Gidley, Margaret Gidley, Bill Gifford, Billy J. Hammond, John Hammond, Susan Hammond, Patty Hauser, Bert Hollifield, Hop Hopkins, Royce Hough, Sheryl Jefferies, Lois Jones, Ray Kandt, Ellen Kirkman, Jim Martin, Jim May, Tom Mowbray, Ed Mulvey, Margaret Mulvey, Ann Newsome, Paul Powers, Mary Riddle, Ann Robertson, Chester Robertson, Liz Schmid, Robin Schmid, Tom Schmid, Jackie Shelton, Ramona Snavely, Sebastian Sommer, Jim Spencer, Bill Suggs, Karen Tally, Tom Tomlinson, Jeff Turner, Gray Tuttle, Abby Whitaker.

ICNC-Iredell County, NC. Center Chipley Ford Road Bridge at South Yadkin River. May 12, 06:30–18:00 h. Temperature 62°–82°F with no rain. Wind SSW 0–10 mph and sky cloudy to partly cloudy.

Participants: Compiler Sam Cathey, 130 Park Street, Statesville, NC 28677. Sam Cathey, Anne Davidson, Doug DeNeve, Pam DeNeve, Cynthia Dickerson, Lois Goforth, Thad Goforth, Jack Greene, Jay Greene, Lee Hollifield, Bo Howes, Larry Marlin, Marianne Murphy, Janice Powell, John

Robertson, Neal Scroggs, Allen Stanley, Garnet Underwood, Ron Underwood, Jonathan Worely.

JLNC–Jordan Lake, NC. Center at former crossing of New Hope River and Pea Ridge Rd. (Rt. 1700), now under water. May 5, 05:00–20:00 h. Temperature 56°–70°F with no precipitation. Wind light and variable to 10 mph, with the sky overcast all morning and clearing in the afternoon.

Participants: Compiler Norman Budnitz, 4114 Garrett Drive, Durham, NC. George Altshuller, Miao-Fang Altshuller, Allison Bailey, Brian Bockhahn, Mary Bratton, Barbara Brooks, Norman Budnitz, Peter Burke, Chris Canfield, Harold Carter, Bob Chase, Barbara Coffman, Patrick Coin, Bobbie Collins-Perry, Will Cook, Anson Cooke, Dwayne Cooke, Kate Finlayson, John Frederick, Jill Froning, Marty Girolami, Russell Herman, Judy Hinderliter Smith, Carl Hintz, Loren Hintz, Tom Howard, Katherine Kay, Betty King, Kate Krulia, Barbara Logue, Terry Logue, Phillip Manning, Melinda Meade, Kyle Mills, Mickey Mills, Robin Moran, Karen Morse, Douglas Pawlak, Shannon Pawlak, Rick Payne, Robert Perkins, Stephen Perry, Joshua Rose, Barbara Roth, Peggy Schultz, Douglas Shadwick, Mark Smith, Joshua Southern, Sterling Southern, Brian Strong, Trudy Talnor, Shelley Theye, Ginger Travis, Andy Upshaw, Margaret Vimmerstedt, Carol Williamson, Rouse Wilson, Jeremy Wrenn.

Compiler's comments: May 5 was a cool, mildly breezy day, overcast in the morning but clearing by the afternoon. Sixty observers in 26 parties counted 11,412 individuals (a new record) of 133 species (a bit over our average of 128), during 197 hours in the field (also a new high). The combination of this thorough coverage and the fact that many of our observers are repeaters familiar with the birds and their count areas has resulted in many new records.

Of the more unusual species, the 11 Willets top the list. They were seen by Patrick Coin, George and Miao-Fang Altshuller, Marty Girolami and Steve Perry-the first record for this species for this count! A Horned Grebe in breeding plumage was seen by Mark Smith and Brian Strong. Three parties reported Great Egrets-Harold Carter, Will Cook and Bobbie Collins-Perry, and Phil Manning and Rick Payne. Andy Upshaw and Rouse Wilson had an American Kestrel, and Norm Budnitz and Carol Williamson had a speeding Merlin. Several unusual duck species were reported—an American Black Duck by Sterling Southern, and 4 Ring-necked Ducks and 1 Bufflehead by Cook and Collins-Perry. Brian Bockhahn found 2 Whiterumped Sandpipers. Budnitz and Williamson had a Laughing Gull sitting with a Ring-billed at the dam. A male Yellow-bellied Sapsucker was found by Loren Hints, Margaret Vimmerstedt and Carl Hintz. Katherine Kay and Robin Moran got a 30-second look at a Swainson's Warbler that unfortunately did not sing for them. Chris Canfield and Kate Finlayson had the opposite problem with a singing Gray-cheeked Thrush that would not let himself be seen.

RANC-Raleigh, NC Center at Wake County Farmer's Market on Lake Wheeler Road. May 11, 06:00–15:00 h. Temperature 60°–75°F with rain in

the morning. Wind 5–10mph. Sky overcast with intended showers and breezy in the morning, clearing in afternoon.

Participants: Compiler John Connors, 1227 Mordecai Drive, Raleigh, NC 27604; John Argentati, Larissa Bailey, Karen Bearden, Joe Bearden, Halbert Carmichael, Salinda Daley, Jorie Favreau, Nathan Favreau, John Finnegan, Lena Gallitano, Susan Gilbert, Lisa Gosselin, Diane Hardy, Anne Hicks, Vernon Janke, William Janke, Will Kimler, Jim Mulholland, Bob O'Brien, Mike Pollard, Laura Potter, Kevin Potter, Susan Rogers, Will Rowland, Harriet Sato, Roger Shaw, Clyde Smith, Julie Angerman-Stewart, Kendrick Weeks, Bob Winstead.

Compiler's comments: The weather was perfect, observers were enthusiastic but migration was slow. Migration was actually slow throughout the spring season, although a cold front arriving on May 13 provided the season's first weeklong fall-out, a day after our official count. I noted Blackpolls, Redstarts, Yellow Warblers and a Magnolia Warbler in my downtown Raleigh yard on the morning of the 13th, the first I had seen this year. Complaints that the count is too late to record migrants were not entirely warranted. We just need help and timing of the appropriate weather systems.

Great Blue Herons are rapidly expanding as breeding birds in our area. At Greenview Pond the colony has expanded from one nest ('99), to two nests ('00), to eight nests ('01), this year with over 20 young ready to fledge. In addition, single nests were found at Yates Mill Pond and along Crabtree Creek near the Buckeye Trail Greenway.

Northern Bobwhites were found at a number of sites where they have been absent for years. These included Schenk Forest, near the NCSU Vet School, at Lake Benson, and along the Neuse River Greenway by Milburnie Dam.

Cliff Swallows continue to nest along Crabtree Creek near the Buckeye Trail. This year there are two nests rather than one. Blue-headed Vireos apparently are nesting both at Umstead and Falls Lake State Parks. A Nashville Warbler was observed by Kendrick Weeks and Joe Pursley at Umstead State Park.

For the first time ever Field Sparrows were not recorded during our count! This is worrisome. Restoration of brush lands and meadow at Anderson Point and Greenview Pond over the next year hopefully will provide some much-needed habitat for this declining species.

MJNC–Mt. Jefferson, NC Center at 36°28'N, 81°27'W. May 11, 06:00–17:00 h. Temperature 55°–74°F with rain in the morning, heavy at times. Wind 5–15 mph with an overcast sky.

Participants: Compiler Vaughn Morrison, 262 Laurel Mountain Estates, Todd, NC 28684; John MacConnell, Beth Morrison, Merrill Lynch, Ida Lynch.

SMNC-Stone Mountain, NC Center at Traphill. May 11, 13:30–15:00 h. Temperature 52°-68°F with no precipitation. Wind NE-S 10–15 mph. Mostly cloudy skies.

Participants: Compiler John MacConnell, 2918 Silas Creek Road, Lansing, NC 28643; Kay Bergey, Pam Burke, Noel Bynum, Peg Cochrane, Doug DeNeve, Phil Dickinson, David Disher, Susan Disher, Gardner Gidley, Margaret Gidley, Bill Gifford, Billy J. Hammond, John Hammond, Susan Hammond, Hattie Hauser, Bert Hollifield, Hop Hopkins, Royce Hough, Sheryl Jefferies, Lois Jones, Ray Kandt, Jim Keighton, Ellen Kirkman, Jim Martin, Jim May, Tom Mowbray, Ed Mulvey, Margaret Mulvey, Ann Newsome, Paul Powers, Mary Riddle, Ann Robertson, Chester Robertson, Liz Schmid, Robin Schmid, Tom Schmid, Jackie Shelton, Ramona Snavely, Sebastian Sommer, Jim Spencer, Bill Suggs, Karen Tally, Tom Tomlinson, Jeff Turner, Gray Tuttle, Abby Whitaker

RVNC–Raven Rock State Park, NC. Center at junction of NC 210 and SR 1434. April 27, 05:30–17:30 h. Temperature 57°–77°F with trace of precipitation. Wind SE 0–16 mph. Cloudy skies in the morning, cloudy with showers in the evening.

Participants: Compiler Paul C. Hart, Raven Rock State Park, 3009 Raven Rock Road, Lillington, NC 27546; Karin Breiwitz, David Brown, John Bumgarner, Susan Bumgarner, Paul Hart, Scott Hartley, Tom Howard, Barry Jones, Bobby Lutfy, Kevin Reese, Mitch Reese, Susan Rogers, Larry Rose, Mary Stevens, Sarah Stevens, Erik Thomas.

Compiler's comments: The total of 123 species is a new record for the count, surpassing the record of 122 set in 1989 and tied in 2000. Seen during count week but not count day were Rose-breasted Grosbeak and Warbling Vireo. The vireo, the first known record for the park, was a singing male at the park superintendent's residence the morning after count day. About the only species that was likely in the count circle on count day but missed was American Woodcock. This year the Cape Fear River was covered by canoe from the park to Lillington, largely accounting for the good totals of species such as Osprey (14), Great Blue Heron (29) and Prothonotary Warbler (43). Encouragingly, Loggerhead Shrike numbers continue to grow, with a count high total of 27! The number of non-migratory Canada Geese continues to expand, with 151 counted. Not only are geese being seen on local farm ponds, but also they have now taken up residence on the Cape Fear River.

SPSC–Spartanburg, SC Center at junction of County Roads 539 and 590. May 11, 06:00–22:30 h. Temperature 63°–66°F. 0.01 inch precipitation. Wind NE 5.7–14.7 mph, with 80–90% cloud cover.

Participants: Compiler Lyle Campbell, 126 Greengate Lane, Spartanburg, SC 29307; Patrick Baldwin, Laura Bannon, Anna Brown, Tim Brown, Lyle Campbell, Sarah Campbell, Elaine Cheek, Matthew Coleman, Teresa Coleman, Tom Moore Craig, Glen Englehardt, Roy Fowler, Pat Fowler, Dennis Funk, Ron Gahagan, Onoosh Gahagan, Teresa Glen, John Green, Catherine Griffith, Lauren Griffith, Bennett Grizzard, Conway Henderson, Marvin Jackson, Connie Jenne, Ron Jenne, Herb Kay, Mickey Marotte, Mary Ann Myers, Mike Miller, Angela Miller, Jim Miller, Margaret Miller, Bill Moody, Nancy Owens, Ken Pearson, Lisa Pearson, Bob Powell, Sandra

Powell, Walton Scott, Ginny Scott, Mac Shealy, Laurel Sulliven, James West, Dan Wooten, Nancy Wooten

Compiler's comments: The Spartanburg Count this spring was marked by a strong front that came through two days before May 11, providing encouragement for all our migrants to move north. Consequently, our warbler count was very low. The county count of nightjars was also low, and we recorded no Wood-Peewee. On the other hand, we had some very odd birds, of which the Snowy Egret was the most notable. We had fewer field and feeder workers this year, meaning several normally productive areas were not covered.

Table 1. 2002 Spring Bird Count

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours
Canada Goose	54	440	215	318		205	78	151		362	151		243	32	2249	242.24
Wood Duck	8	77	16	34		24	4	40	2	18	29		21	7	280	30.16
American Black Duck		1						1							2	0.22
Mallard	51	111	51	218		55	5	80	1	96	64		65	29	826	88.97
Mallard x Black Duck				1											1	0.11
Blue-winged Teal						1									1	0.11
Northern Pintail										2					2	0.22
Ring-necked Duck								4							4	0.43
Bufflehead								1							1	0.11
Red-breasted Merganser										2			1		3	0.32
Ruddy Duck													1		1	0.11
Ruffed Grouse	1														1	0.11
Wild Turkey	16	10	6	2	2	8	4	4	3		4			11	70	7.54
Northern Bobwhite	7	3	4			17	8	17			13		2	2	73	7.86
Common Loon								1						1	2	0.22
Pied-billed Grebe				1							1		2		4	0.43
Horned Grebe								1							1	0.11
Double-crested Cormorant	1	133	547	47				538	1	41	28		14	3	1353	145.73

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Bird
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Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours	1
Great Blue Heron	1	243	88	24			8	104	2	67	29			4	570	61.40	
Great Egret		10		2				8			4		1		25	2.69	
Snowy Egret														1	1	0.11	
Little Blue Heron			1										1		2	0.22	
Cattle Egret											1				1	0.11	
Green Heron	2	16	4	12		7	6	14		7	14		8	2	92	9.91	
Black-crowned Night-Heron							1								1	0.11	
Yellow-crowned Night-Heron													11	2	13	1.40	
Black Vulture		43	35	10	4	1	7	18	1	1	1		4	31	156	16.80	
Turkey Vulture	27	173	57	42	27	29	19	210	22	11	36	17	23	4	697	75.08	
Osprey	1	11	11	1				45		1	14		*	1	85	9.16	
Bald Eagle		11	1					31		1	3				47	5.06	
Northern Harrier							1				2		1		4	0.43	
Sharp-shinned Hawk	2	4	3	3			1	3					1	*	17	1.83	-
Cooper's Hawk	1	4	4	2		1	3	4	2	1	1		3	*	26	2.80	İ
Accipiter sp.			2								1				3	0.32	7
Red-shouldered Hawk	2	43	10	3		1	7	40		11	15		6	2	140	15.08	o
Broad-winged Hawk	1	1	1	1		3			1		2				10	1.08	
Red-tailed Hawk	6	31	20	7	1	1	10	26	3	8	24	3	9	14	163	17.56	
American Kestrel	3	1				2		1		2	3		1		13	1.40	(
Merlin								1							1	0.11	

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours	The Chat, Vol.
American Coot				1											1	0.11	
Killdeer		54	14	17		14	11	39	2	13	51		16	10	241	25.96	68,
Greater Yellowlegs				2		1				2	1				6	0.65	No
Lesser Yellowlegs	1		1							3			3		8	0.86	1,
Solitary Sandpiper		1	14	20		5	2	16		8	11		21	*	98	10.56	Winter
Willet								11							11	1.18	ntei
Spotted Sandpiper	10	23	12	41		5	5	39	3	16	28		21	3	206	22.19	- 2
Semipalmated Sandpiper		2								6					8	0.86	2004
Least Sandpiper				5		4		3		13			15		40	4.31	-
White-rumped Sandpiper								2							2	0.22	
Wilson's Snipe											1				1	0.11	
Laughing Gull								1							1	0.11	
Bonaparte's Gull				13											13	1.40	
Ring-billed Gull		4	52	160				206		23			303		748	80.57	
Caspian Tern		2	3					6					1		12	1.29	
Forster's Tern		1													1	0.11	
Rock Pigeon	3	68	59	15		19	51	47	10	121	75		47	6	521	56.12	
Mourning Dove	127	393	130	151	7	117	98	259	13	111	277		166	118	1967	211.87	
Black-billed Cuckoo	1						1								2	0.22	
Yellow-billed Cuckoo	3	16		*		2	5	13		3	2		2	1	47	5.06	

Eastern Screech-Owl

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours	00
Great Horned Owl		7	1				1	3			3		2	1	18	1.94	
Barred Owl	1	17	6	1			2	4	1	4	4		4	1	45	4.85	
Common Nighthawk				1			3			1				2	7	0.75	
Chuck-will's-widow							3	5		2	4		1	2	17	1.83	
Whip-poor-will		29					1	28			3			4	65	7.00	
Chimney Swift	80	255	88	33		53	53	150	8	100	140		54	60	1074	115.68	
Ruby-throated Hummingbird	9	61	26	2		4	15	25	7	16	13		5	10	193	20.79	
Belted Kingfisher	5	11	8	7		9	7	11		4	10		10	2	84	9.05	
Red-headed Woodpecker		41	14	3			4	25		5	5		1	1	99	10.66	
Red-bellied Woodpecker	30	240	52	60	8	23	35	170	4	73	77		43	24	839	90.37	
Yellow-bellied Sapsucker								1						2	3	0.32	
Downy Woodpecker	12	102	21	18	1	7	12	54	4	21	20	2	14	16	304	32.74	
Hairy Woodpecker	3	19	9	1	1			32	1	7	2	1	4	3	83	8.94	
Northern Flicker	15	43	10	22	4	19	5	33	1	26	17		33	7	235	25.31	7
Pileated Woodpecker	13	33	5	2	5	15	8	21	2	6	17		1	8	136	14.65	1
Eastern Wood-Pewee	29	85	4	5	1	10	7	32	1	11	16		3		204	21.97	Spi
Acadian Flycatcher	10	64	3	3		8	3	22	2	19	24		1	3	162	17.45	3111
Alder Flycatcher										1					1	0.11	ָ ט
Willow Flycatcher						16			2						18	1.94	2
Least Flycatcher									1						1	0.11	
Eastern Phoebe	46	82	25	14	1	34	33	56	8	12	29	3	24	28	395	42.55	unı

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours
Great Crested Flycatcher	8	76	27	22	14	7	12	110	1	47	89	1	25	2	441	47.50
Eastern Kingbird	9	57	23	9		12	15	85	8	17	54		13	14	316	34.04
Loggerhead Shrike							2			1	27				30	3.23
White-eyed Vireo	4	52	30	2	2	19	13	53	3	18	30		3		229	24.67
Yellow-throated Vireo	6	25	14	1	1	5	1	16	1	4	6				80	8.62
Blue-headed Vireo	27	13	2	3	10	13		16	6	2	1	1			94	10.12
Warbling Vireo	3										*				3	0.32
Philadelphia Vireo													1		1	0.11
Red-eyed Vireo	128	339	142	53	34	84	40	280	28	51	105	5	44	9	1342	144.55
Blue Jay	70	239	70	80	19	77	53	166	5	52	101	2	74	81	1089	117.30
American Crow	196	414	114	167	24	153	93	442	65	113	225	6	140	111	2263	243.75
Fish Crow		55	17	24				16		18	17		6		153	16.48
Common Raven				*		3			2			1	3		9	0.97
Horned Lark											4				4	0.43
Purple Martin	1	49	26	291		5	58	54		22	60		19	25	610	65.70
Tree Swallow	28	6	21	56		10		31	14	1	2		1		170	18.31
Northern Rough-winged Swallow	16	40	10	75		27	2	53	12	22	26		62		345	37.16
Bank Swallow				1				33			1			4	39	4.20
Cliff Swallow		2	48	11				184					75		320	34.47
Barn Swallow	31	95	84	233	1	78	96	305	27	67	116		139	18	1290	138.95

2002
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Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours	32
Carolina Chickadee	71	482	95	88	30	85	42	310	4	91	94		65	57	1514	163.08	
Tufted Titmouse	78	512	119	92	25	49	69	352	10	94	107	6	71	59	1643	176.97	
Red-breasted Nuthatch	4				5						1				10	1.08	
White-breasted Nuthatch	8	75	10	9	10	3	9	22	5	16	4		21	7	199	21.43	
Brown-headed Nuthatch	1	97	33	22			9	93		21	18		16	18	328	35.33	
Brown Creeper							1								1	0.11	
Carolina Wren	49	447	117	101	23	92	31	290	10	126	123	1	82	43	1535	165.34	
House Wren	21	35	16	9		10	6	9	6	5	4		14	4	139	14.97	
Winter Wren	5														5	0.54	
Sedge Wren						1									1	0.11	
Golden-crowned Kinglet	7				1										8	0.86	
Ruby-crowned Kinglet			9	12	6			6	1		7		7		48	5.17	
Blue-gray Gnatcatcher	22	477	212	32	6	16	20	257	2	67	90		14	11	1226	132.06	
Eastern Bluebird	51	285	99	103	1	44	105	259	8	45	160		61	73	1294	139.38	7
Veery	7			5			3		2	3	1		10		31	3.34	1
Gray-cheeked Thrush								1					2		3	0.32	зþі
Swainson's Thrush	1	4		13		3	3	2		1			36		63	6.79	8111
Hermit Thrush	1			2							4		*		7	0.75	, 5
Wood Thrush	38	160	32	51	4	31	20	72	8	12	36	2	37	7	510	54.93	2
American Robin	151	418	175	442		177	152	104	40	169	134	4	380	156	2502	269.50	
Gray Catbird	18	86	62	73	1	23	29	62	25	17	40	1	68	17	522	56.23	unı

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours
Northern Mockingbird	58	291	73	103		66	79	139	5	49	153		60	85	1161	125.05
Brown Thrasher	20	144	37	29	1	36	33	97	2	28	67		36	37	567	61.07
European Starling	229	328	186	362		214	149	144	40	71	412	2	577	119	2833	305.15
American Pipit			3										1		4	0.43
Cedar Waxwing	270	177	17	248		214	231	116	9	41	71		140	28	1562	168.25
Blue-winged Warbler				1											1	0.11
Tennessee Warbler					3							1			4	0.43
Northern Parula	9	98	40	28	3	14	8	93	1	17	26		18	*	355	38.24
Yellow Warbler	16	14	17	14		12	1	7	10	5	6	1	15		118	12.71
Chestnut-sided Warbler	31			7		19	2	3	6				9		77	8.29
Magnolia Warbler		3		3	1	1	2	4	1			2	5		22	2.37
Cape May Warbler				1		2							1		4	0.43
Black-throated Blue Warbler	38	39	8	47	18	3	3	57	2	6	7	1	31	*	260	28.01
Yellow-rumped Warbler	2	46	140	209	56	12	15	253	1	6	170		102	*	1012	109.00
Black-throated Green Warbler	20	3	1	3	19	19		6	1				14		86	9.26
Blackburnian Warbler	28				3	1				1					33	3.55
Yellow-throated Warbler	5	28	15			5	3	72		5	29		3		165	17.77
Pine Warbler	1	272	57	29	18	3	7	335		26	29		9	13	799	86.06
Prairie Warbler		33	36	1			2	117		2	38		1		230	24.77
Palm Warbler		1	14	1				2			2		9	3	32	3.45

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours	3.4
Bay-breasted Warbler		3				1							1		5	0.54	
Blackpoll Warbler	17	20		3		2	1	16	1	2			3	1	66	7.11	
Cerulean Warbler	16					1									17	1.83	
Black-and-white Warbler	47	32	5	13	14	19	4	58	7	4	30	1	10		244	26.28	
American Redstart	24	83	19	11	2	31	8	40	4	13	39		6	*	280	30.16	
Prothonotary Warbler		47	23			1		21		3	43		3		141	15.19	
Worm-eating Warbler	14	1	2	3	18	6		1					1		46	4.95	
Swainson's Warbler		1						1			1				3	0.32	
Ovenbird	88	138	45	23	17	30	1	234	3	14	36	7	3		639	68.83	
Northern Waterthrush		14	10	1		11		4	1		7		4		52	5.60	
Louisiana Waterthrush		30	10	1	1	1	2	12	1	6	22	1		*	87	9.37	
Kentucky Warbler	4	3	1			2	1	3	4		5		1		24	2.59	
Common Yellowthroat	10	149	98	45		46	8	143	9	62	52		28	4	654	70.44	
Hooded Warbler	53	70	3	3	49	38		62	12	4	25	1	8		328	35.33	2002
Wilson's Warbler													1		1	0.11	92
Canada Warbler	20			1		1			3				1		26	2.80	Spring
Yellow-breasted Chat		57	46	8		14	11	75		7	33		1	3	255	27.47	3ui.
Summer Tanager		106	10	4			4	138		21	30			3	316	34.04	$^{r}B_{l}$
Scarlet Tanager	35	67	12	13	5	25	7	74	16	9	17	2	26	1	309	33.28	Bird
Eastern Towhee	112	361	102	88	18	154	40	198	21	59	63	6	87	26	1335	143.80	Co
Chipping Sparrow	31	275	87	40	4	16	34	218	5	6	142		47	11	916	98.66	unt

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours
Field Sparrow	9	26	34	22		50	30	36	9	3	37	2	9	9	276	29.73
Savannah Sparrow			14	14				5	1	1	52		9		96	10.34
Grasshopper Sparrow	1	7	1			4	21		1	1	2		3		41	4.42
Song Sparrow	195	29	21	57		191	19	6	25	3			48	10	604	65.06
Swamp Sparrow		3	17					4			5		2		31	3.34
White-throated Sparrow	2	14	94	45	5	2	1	45		1	99		40	13	361	38.88
White-crowned Sparrow	1		8	4		1							1		15	1.62
Dark-eyed Junco	32		1		1	2			14			2		*	52	5.60
Northern Cardinal	126	1001	212	239	29	98	112	432	12	201	190		178	91	2921	314.63
Rose-breasted Grosbeak	14	3		7				18	15	2	*		17	9	85	9.16
Blue Grosbeak		49	26	9		5	22	94		19	31		4	4	263	28.33
Indigo Bunting	164	278	116	35	4	152	46	264	10	37	61	4	38	15	1224	131.84
Bobolink	52			129			1	155	1		82		5		425	45.78
Red-winged Blackbird	116	125	97	78		61	36	131	40	72	110		70	29	965	103.94
Eastern Meadowlark	15	27	16	9		23	75	55	5	4	67		22	10	328	35.33
Rusty Blackbird			1												1	0.11
Common Grackle	73	390	462	485		103	218	367	20	199	363		283	100	3063	329.92
Brown-headed Cowbird	19	161	91	50		13	18	187	3	35	110	2	34	30	753	81.11
Orchard Oriole	7	31	28	13		4	4	55	5	6	20		6	2	181	19.50
Baltimore Oriole	9	1		6		1	1		6	2	1		18	1	46	4.95
Purple Finch							2						11	9	22	2.37

Species	BCNC	CPNC	DUNC	GRNC	HRSP	HCNC	ICNC	JLNC	MJNC	RANC	RVNC	SMNC	WSNC	SPSC	Total	Birds per Hundred Hours
House Finch	69	394	62	73		80	49	117	6	65	71		79	66	1131	121.82
Pine Siskin	13			*		12			6						31	3.34
American Goldfinch	102	556	232	410	3	127	102	390	78	99	88	1	421	63	2672	287.81
House Sparrow	15	110	75	26		9	39	42	20	32	106		17	10	501	53.96
No. of species	111	122	115	121	54	110	106	133	94	113	122	32	131	87	188	
No. of individuals	3874	13702	5965	6461	571	3705	2863	11487	843	3609	6009	92	5281	1979	66441	7157
Total field hours	46.05	190.4	61.5	83.25	25	46	38.5	197.25	20	65	60.75	1.5	101.25	38	928.4	
Hours on foot	15	132.8	52	58	25	28.75	18.5	141.75	13	55.5	29.25	0	79.75	31	665.3	
Hours by car	31.05	51.1	8	25.25	0	17.25	20	46	7	9.5	26	1.5	21.5	7	240.1	
Hours by bike	0	0	0	0	0	0	0	2	0	0	0	0	0	0	2	
Hours by boat	0	6.5	0	0	0	0	0	7.5	0	0	5.5	0	0	0	19.5	
Hours owling	0	3.75	1.5	0	0	0	0	4.5	0	2	1.25	0	3	2.5	18.5	
Total field miles	309	435	120.75	294	16.8	179.25	229.6	379.5	117	125	366	25	282.25	139	2709.15	
Miles on foot	13	114.5	36.5	36.5	16.8	21.75	13.3	112	7	47	21	0	40.25	19	485.6	
Miles by car	296	315	84.25	257.5	0	157.5	216.3	256.5	110	78	337	25	240	129	2206.05	
Miles by bike	0	0	0	0	0	0	0	5	0	0	0	0	0	0	5	
Miles by boat	0	5.5	0	0	0	0	0	6	0	0	0	0	0	0	11.5	
Miles owling	0	5	1	0	0	0	0	14.25	0	10	0.5	0	3	25.5	59.25	
Date	12 May	12 May	28 Apr (04 May	27 Apr	11 May	12 May	05 May	11 May	11 May	27 Apr	11 May	04 May	11 May		