

2007 Spring Migration Counts in North Carolina

Marilyn Westphal

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Sixteen North Carolina count areas submitted data for the 2007 spring migration count: five from the mountains, ten from the piedmont/upper coastal plain, and one from the coast. The counts were carried out between 28 April and 26 May. Most of the piedmont counts were completed in late April or early May. Two of the mountain counts were completed in late May because they covered largely high-elevation areas where spring arrives late.

A total of 373 participants counted 86,446 individuals and 228 species in 1,225.75 party-hours. This represents a slight decline in total species and participants from 2006 (232 species and 408 participants) but a slight increase in total birds and party-hours (85,980 birds and 1218.00 party-hours); thus the overall count of birds per party-hour was roughly the same as last year (70.59 in 2006 and 70.52 in 2007).

Similar to last year, 52 species (23% of the total) were found in only one count area, and 28 species (12% of the total) were found in every count area. Relatively few species are adapted to all of the extreme habitat and climate differences that occur in North Carolina. As usual, most of the exclusives were found in the Onslow County count since it is the only count that takes place in the coastal section of the state. Most of the exclusives were either species that are very localized to the mountains or coast or else late departing waterfowl such as Horned Grebe, Ring-necked Duck, Common Goldeneye, and American Wigeon. Uncommon warblers found included Connecticut, Tennessee (rare in spring), and Nashville. The Scissor-tailed Flycatcher from the Southern Pines count and the Barn Owl on the Buncombe County count were also nice additions to the exclusives list. Exclusives are listed in the count details section. Exclusives were found in the following counts:

Table 1. Number of species exclusive to a count

Mountains		Piedmont		Coastal Plain	
Balsam Mountains	3	Forsyth	1	Onslow County	38
Henderson County	1	Greensboro	1		
Buncombe County	2	Jordan Lake	1		
		Falls Lake	1		
		Southern Pines	4		

Trends noted in recent years continued in 2007. This decade will certainly be the first since spring counts began to show the number of Wild Turkeys surpassing those of Northern Bobwhites. Bald Eagle numbers continued to grow: 47 in 2002, 55 in 2003, a dip back to 34 in 2004, back up to 64 in 2005, 81 in 2006, and an impressive increase to 114 this year. This

year's overall increase comes both from expansion of eagles into additional count areas and from the tremendous increase on the Jordan Lake count. Great Blue Heron numbers continue to grow as well, with a record 752 counted this year. Wood Thrush and Eastern Meadowlark numbers declined this year as they have been doing in recent years, and Field Sparrow and Grasshopper Sparrow numbers this year were typical of this decade, but well below previous decades.

Count Area Details

Mountains

Transylvania County—count date 12 May, 105 species, 2663 individuals, 17 participants, 42.00 party-hours.

Weather overcast and cloudy in the morning with heavy rain at the higher elevations in the morning and reaching the river valleys by about 2 PM.

Compiler: Norma Siebenheller (sieb@citcom.net)

Participants: Kathryn and Dennis Allen, Marvin and Michele Barg, Kathy Bartt, Dorothy Bauer, Jim and Joe Beard, John Devlin, Elizabeth Galloway, Jeanne Grimmenga, Janice Hathaway, Jack Hudson, Mike Judd, Ruth Klock, Betty McIlwain, Carolyn and Rick Mills, Beth and Speed Rogers, Norma and Bill Siebenheller, Camille Ziegler

Exclusives: None

Notes: Hampered by the absence of many regular participants due to a variety of causes, and with activities cut short mid-way through the day for most of those in the field due to sudden heavy rain, the local spring bird count nevertheless was relatively successful and even managed to turn up a few surprises along the way. The final species score was 105, well below the recent average of 112 and a far cry from the record 119, but considering the obstacles that were overcome, the outcome was better than might have been expected. One major disappointment was the fact that the storm began on the Parkway just as birders arrived there, and because of it they were unable to find most of the northern species that are specialties of the area. Happy surprises included four Common Nighthawks, a Kentucky Warbler in a new site, two Swainson's Warblers, a lingering Northern Waterthrush, a Common Loon, several late-staying White-throated Sparrows, and a single Pine Siskin.

In all there were 17 people in seven field parties (normal is 35–40 people in as many as 18 parties), and their efforts were supplemented by four parties counting birds at their homes.

Norma Siebenheller

Great Balsam and Plott Balsam Mountains IBA—count date 19 May, 79 species, 2737 individuals, 19 participants in 8 groups, 70.50 party-hours.

Weather: Varied with elevation, cold in the early morning with frost on the ground at the higher elevations, warmer in the afternoon, 33–70°F Calm to light wind.

Compiler: Marilyn Westphal (mjwestphal@unca.edu)

Participants: Bill Fisk, Peggy Franklin, Mark Hamlin, Gail and Herman Lankford, Andrew Laughlin, Craig Lawrence, Tim Lewis, Bob Olthoff, Kitti and Lee Reynolds, Steve Semanchuk, Ray Sharpton, Tom Tribble, Lori Unruh, Connie Ward, Lou Weber, Marilyn Westphal, Stan Wulkowicz

Exclusives: Alder Flycatcher, Least Flycatcher, Black-capped Chickadee

Notes: The second Balsam Mountains Spring Bird Count was held on May 19th with 19 participants in eight teams. Once again Dark-eyed Juncos (346) and Chestnut-sided Warblers (302) dominated the count. This count is conducted in the designated Great Balsam and Plott Balsam Audubon Important Bird Area. Much of the area is high-elevation spruce/fir and mixed forest with numerous large grassy and heath balds. The extensive openings in the forest make this ideal habitat for Chestnut-sided Warblers, but good numbers of Black-throated Blue, Black-throated Green, and Canada Warblers were also counted, as well as large numbers of Golden-crowned Kinglets, Veeries, American Robins, Eastern Towhees, and Blue-headed Vireos. Two Hermit Thrushes were found in the Middle Prong Wilderness. This species has been expanding its range into the Great Balsam Mountains in the past three years. Alder Flycatchers were found at Graveyard Fields and along the Flat Laurel Creek trail at Black Balsam, and Least Flycatchers were found in five of the eight sections of this count. Other interesting species included a Black-billed Cuckoo near Big Witch, two adult and two Peregrine Falcon chicks at Devil's Courthouse and another adult Peregrine west of Richland Balsam, two Yellow-bellied Sapsuckers between Mills River Valley overlook and Graveyard Fields, 27 Black-capped Chickadees found in every section from Graveyard Fields west to the Smokies, and an American Woodcock displaying at dusk at the Cowee Mountains overlook. Late migrants included three Cape May Warblers, one Palm Warbler, and four Blackpoll Warblers.

Marilyn Westphal

Henderson County—count date 12 May, 112 species, 3300 individuals, 12 participants, 44.50 party-hours.

Compiler: Jim Neal (jlbjneal@bellsouth.net)

Participants: Bill Fisk, Mimi Kaufer, Richard Leppingwell, Denne Liberaton, Mike McCurdy, Nora Murdock, Jim Neal, Frances Ogasawara, Janie Owens, Ron Selvey, Simon Thompson, Marilyn Westphal

Exclusives: Connecticut Warbler

Notes: none

Buncombe County—count date 13 May, 117 species, 4462 individuals, 20 participants in 8 groups, 65.50 party-hours.

Weather: Cool, 40–65 F depending on elevation, light to moderate winds, mostly sunny.

Compiler: Marilyn Westphal (mjwestphal@unca.edu)

Participants: Nancy Casey, Bill Fisk, Peggy Franklin, Doug Johnston, Gail and Herman Lankford, Bob Olthoff, Naomi Otterness, Janie Owens, Len Pardue, Kitti and Lee Reynolds, Joanne Rittenberg, Steve Semanchuk,

Terry Seyden, Liz Skiles, Tom Tribble, Lou Weber, Marilyn Westphal, Ruth Young

Exclusives: Barn Owl, Warbling Vireo

Notes: It was a fine day for birding and total species were on the high end of average, but total birds were slightly lower than average. However, warbler numbers, especially those at middle elevations such as Ovenbird, Black-and-white, and Hooded Warblers, were back to normal after a low count in 2006. Black-throated Blue and Chestnut-sided Warbler numbers were also somewhat higher than usual, and Red-eyed Vireo numbers increased greatly over 2006. The early April freeze did not seem to have an effect on songbird numbers in 2007, unlike the late April freeze in 2006 which had a significant effect. Some species showed lower-than-average numbers in 2007 including Eastern Bluebird, American Robin, and Cedar Waxwing.

Unusual species found included a Black-billed Cuckoo and two Barn Owls in the Warren-Wilson/Beetree section by Lou Weber, Janie Owens, and Naomi Otterness, a small flock of Bobolinks off Dillingham Road in the Barnardsville area, and a record seven Ruffed Grouse found in four different count sections.

Marilyn Westphal

Black Mountains—count date 26 May, 64 species, 1605 individuals, 13 participants in 4 groups, 35.00 party-hours.

Weather: Mostly sunny, 40–75°F, calm to light breeze.

Compiler: Marilyn Westphal (mjwestphal@unca.edu)

Participants: Nancy Casey, Bill Fisk, Doug Johnston, Gail and Herman Lankford, Andrew Laughlin, Craig Lawrence, Lindsay Major, Nora Murdock, Steve Semanchuk, Ray Sharpton, Tom Tribble, Marilyn Westphal

Exclusives: None

Notes: On a beautiful day 13 observers in four groups went out Saturday, May 26th for the second annual Black Mountains IBA spring bird count. This area covers the Blue Ridge Parkway from Balsam Gap (mile marker 360) to NC 80 (about mile marker 344), Mount Mitchell State Park, a couple of forest roads (although one was closed), and the Black Mountains campground. The groups spent most of their time hiking along trails in the area, though. Most of the count area is 5000 to 6800 feet in elevation and is largely heavily forested, although there are a few open areas, so the bird diversity is relatively low (64 species found), but some of the species up there are quite abundant. Most common bird was the Golden-crowned Kinglet with 234, or almost seven per hour of birding. At the three high-elevation sections it actually averaged about one every six minutes, and that's almost how they are distributed, too. The other most common birds were: Dark-eyed Junco (208), Black-throated Green Warbler (98), Blue-headed Vireo (96), Canada Warbler (76), Black-throated Blue Warbler (69), Indigo Bunting (68), Winter Wren (66), Red-breasted Nuthatch (62), Veery (56), and Cedar Waxwing (55).

Unusual findings included: four singing Swainson's Thrushes, all within about 2–3 miles along the Blue Ridge Parkway in the same area where a very late bird was found the previous year on the count, which raised some suspicions; a juvenile Bald Eagle flying low over Stepp's Gap; 19 Hermit Thrushes, a population that seems to be steadily growing in the Black Mountains; a good count of 23 Pine Siskins and 15 Common Ravens; and an American Woodcock displaying at dusk at Stepp's Gap.

Marilyn Westphal

Piedmont

Forsyth County—count date 5 May, 122 species, 5454 individuals, 44 participants, 87.05 party-hours.

Compiler: Linda Davis (davisl@mindspring.com)

Participants: Don Adamick, John Carter, Phil Dickinson, David and Susan Disher, Ferenc Domoki, Cynthia Donaldson, Margaret and Gardner Gidley, Bill Gifford, John Haire, Bill and Susan Hammond, John and Elaine Hammond, Myrna Harris, MaryLou Hart, Bill Hollifield, Bill Jackson, Ellen Kirkman, Norwood Lide, Jim Martin, Rick Mashburn, Ron Morris, Ann Newsome, Tara O'Leary, Paul Powers, Sue and Sophie Rupp Randall, Jeremy Reiskind, Chester and Ann Robertson, Shelley Rutkin, Gene Schepker, Lois Schneider, David Shuford, Jim Spencer, Bill Sugg, Chuck and Cindy Thompson, Katharine Thorington, Jeffrey Turner, Gray Tuttle, Yong Yi

Exclusives: Yellow-crowned Night-Heron

Notes: During the Spring Bird Count period the following species deserved special mention:

Cerulean Warbler, observed and identified by Phil Crisp in Reynolda on 2 May.

Gray Cheeked Thrush observed and identified by Ferenc Domoki in Miller Park on 7 May.

Palm Warbler, identified by Jeff Turner and Ellen Kirkman at The Children's Home on 5 May.

Forster's Tern, observed and identified by David and Susan Disher, Paul Powers, Hop Hopkins at Archie Elledge Treatment Plant on 5 May.

Osprey, observed and identified by Phil Dickinson, Don Adamick, Tara O'Leary and Katherine Thorington at Bethabara on 5 May.

Black-billed Cuckoo during count period at Reynolda, reported by Jim Martin, Ferenc Domoki. White-crowned sparrow at Reynolda observed and identified by Jim, Ferenc, and David Shuford on 5 May.

Horned Lark observed and identified 5 May by Bill Jackson, the Hammond teams, Chuck and Cindy Thompson (North team).

Linda Gibson Davis

Greensboro—count date 5 May, 135 species, 8062 individuals, 29 participants, 133.00 party-hours.

Compiler: Herb Hendrickson (hhendrickson@triad.rr.com)

Participants: Carolyn Allen, Don Allen, Pat Bradley, Louise Brown, Dan Chambers, Sue Cole, Phil Crisp, Judi Durr, Larry Gasper, Deb Henderson, Herb Hendrickson, Phillip Kellam, Jane Lewis, Elizabeth Link, Henry Link, Clarence Mattocks, Gregg Morris, Lynn Moseley, Jean Murdick, Lane Oldham, Bill Payne, Sandy Post, Tom Shepherd, Lou Skrabec, Joann Smith, Laurie Sorrell, Emily Tyler, Ann Walter-Fromson, Melissa Whitmire

Exclusives: Tennessee Warbler

Notes: none

Southern Pines—count date 29 April, 140 species, 6634 individuals, 29 participants and 4 feeder-watch, 90.80 party-hours.

Compiler: Susan Campbell (susan@ncaves.com)

Participants: Rex Badgett, Brady Beck, Jeff Beane, Carol Bowman, Kerry Brust, Susan Campbell, Jay Carter, Dick and Lois Dole, John Finnegan, Scott Hartley, Erich Hoffman, Tom Howard, Wayne Irvin, Alicia Jackson, Linda and Charlie Jones, David and Michael McCloy, Carolyn McDermott, Fred Shuker, Dan Pieroni, Todd Pusser, Lisa Richman, Patrick Shaffner, Bruce Sorrie, Lowell and Susan Strine, Rosalyn Walk as well as Charlotte Gantz, Mary Stephenson, Vaud Travis, and Libba Watson at feeders.

Exclusives: Mute Swan, Horned Grebe, Scissor-tailed Flycatcher, Nashville Warbler

Notes: The 2007 Spring Bird Count in Southern Pines was held Sunday, April 29. We had a record-high number of both species and observers. During the course of the day 33 observers in 16 parties tallied 6740 individuals of some 140 species. Our fantastic day of birding was in spite of beautiful weather. Often, without some wind or rain, birding is more of a challenge—if one is attempting to encounter a diversity of species in the spring. But at daybreak it was beautiful with winds light out of the northwest and temperatures in the upper 50s. By late afternoon the mercury had risen just shy of 80° and the winds had picked up with gusts around 18 mph. But the migrants and breeding bird species were abundant across the circle throughout the count.

A single male Scissor-tailed Flycatcher located at Hobby Field (presumably the breeding male for 2006) in Southern Pines was the biggest highlight. But there were plenty of uncommon migrants as well as lingering wintering species. Not only were four different Pied-billed Grebes found with one being on Thagard Lake in Whispering Pines and three at Woodlake, but a late Horned Grebe was also spotted at Woodlake. A female Yellow-bellied Sapsucker was found foraging just outside Whispering Pines. Notable migrant warbler species included: Chestnut-sided and Cerulean at Weymouth Woods State Nature Preserve and a Nashville in Vass. Despite the late date, most parties were able to find numerous White-throated Sparrows, Yellow-rumped Warblers, and Ruby-crowned Kinglets. Conversely, late migrants such as Yellow-billed Cuckoo, Common Nighthawk, and Blackpoll Warbler turned up in more than one area.

As usual the party at Woodlake reported the highest species total, 97. Lake Surf, the largest lake in the county, at this site provides a variety of habitats unequaled in other parts of the circle. However, it is impressive that this year over half of the areas turned up some 70 to 80 species by the end of the day. It is quite likely that the nice weather increased our effort in the field overall. We were very grateful to return to the newly renovated facilities at Weymouth Woods for our midday countdown. Thanks also go to Michael McCloy who compiled all of the count data again this spring.

Susan Campbell

Chapel Hill—count date 5 May, 127 species, 9824 individuals, 44 field participants, 144.00 party-hours.

Weather: low 55, high 66; light rain; wind N 0–5 mph; cloudy.

Compiler: Will Cook (cwcook@duke.edu)

Participants: Mike Andrews, Kim Aycrigg, June Beyman, Jane Brinkley, Norm Budnitz, Derb Carter, Bob Chase, Will Cook, Anson Cooke, Dwayne Cooke, Kent Fiala, Cynthia Fox, Maurice Graves, Steven Graves, Perry Haaland, Loren Hintz, Alan Johnston, Alan Kneidel, Ken Lundstrom, Marty McClellan, Lisa Merschel, David Murdock, Judy Murray, Candice Owens, Jenny Palmer, Steve Quinley, Joan Redman, Deb Reilly, Carl Rothfels, Bob Rybczynski, Harriet Sato, Mike Schultz, Doug Shadwick, Todd Shapley-Quinn, Jacob Socolar, Nathan Swick, Judy Teague, Shelley Theye, Pam Timmons, Ginger Travis, Amalie Tuffin, Jerrold and Joan Walecka, David Welch and feederwatchers Harry and Caroline Pederson and Barbara Roth

Exclusives: none

Notes: The cool, drizzly 2007 Chapel Hill spring count on May 5 recorded an excellent 127 species and 9824 individual birds (10-year average 123.5 species, 11,153 birds). This was the second-highest species count for us in the last 18 years. Though a little below average in number of individuals, this was mostly due to the below-average participation—the 68.2 birds per party-hour is near the average of 69.6. Snowy Egret was the rarest find on the count, only our second. Ginger Travis's team and Jacob Socolar, covering different arms of Jordan Lake by canoe, reported one Snowy each, Ginger from the Morgan Creek arm, and Jacob from the New Hope Creek arm. It's possible there was only one bird, but we cannot know for sure. There was an outstanding array of other goodies—an American Black Duck at Mason Farm (Will Cook's party), 2 Hooded Mergansers at Jordan Lake (Socolar), 2 Common Loons at Jordan Lake (Travis), Little Blue Heron at Jordan Lake (Amalie Tuffin and Shelley Theye), Black-crowned Night-Heron (Travis), Northern Harrier (Cook), Lesser Yellowlegs at Mason Farm and the wastewater plant on Farrington Road (Cook and Nathan Swick), Semipalmated Sandpiper at Mason Farm (Cook), 4 Forster's Terns at Jordan Lake (Travis), White-crowned Sparrow on Dairyland Road (Derb Carter), and Blue-winged, Cape May, and Blackburnian Warblers (Tuffin party). Hooded Mergansers nested in the New Hope Creek arm of Jordan Lake this spring—scouting before the count, Jacob Socolar found five young with one adult. The nesting Yellow-crowned Night-Herons in

Durham (Mike Schultz) were present during count week, but missed on count day. As usual, we set a few record highs: 81 Wood Ducks (77 in 2002), 27 Bald Eagles (25 in 2006), 34 Pileated Woodpeckers (33 in 2002), 119 Black-throated Blue Warblers (114 in 2003), 59 Song Sparrows (57 in 2006), 41 Orchard Orioles (33 in 1979). I reduced the total of Bald Eagles by 15 to account for probable overlap in adjacent areas. Other unusually abundant species included Solitary and Spotted Sandpipers, Belted Kingfisher, Barn Swallow, Yellow Warbler, Blackpoll Warbler, Northern Waterthrush, Common Yellowthroat, Swamp Sparrow, and Rose-breasted Grosbeak (10 at Shelley Theye's feeder!).

We missed Northern Bobwhite for the second year in a row—only our third miss ever, continuing the trend. Other unusually scarce birds included Green Heron (lowest since 1972), Rock Pigeon (lowest since 1975), Chimney Swift (lowest since 1974), European Starling (lowest since 1974), and Indigo Bunting (lowest since 1984).

This year honors for highest species count and individual count both go to the team of Amalie Tuffin and Shelley Theye, who covered the Big Woods Road area near Jordan Lake. They found 88 species, 931 individuals, and were followed by the teams led by Doug Shadwick (86 species, Jordan Lake area) and Will Cook (85 species, Mason Farm).

Charles W. "Will" Cook

Jordan Lake—count date 6 May, 126 species, 6487 individuals, 39 participants, 111.00 party-hours.

Weather: Low 60, high 70; wind 10–20 mph, gusting to 35mph; overcast at dawn, 30–50% cloud cover after 7 AM, no rain.

Compiler: Norm Budnitz (Norman.budnitz@duke.edu)

Participants: Barbara Beaman, Betsy Bogle, Norm Budnitz, Chris Canfield, Barbara Coffman, Patrick Coin, Will Cook, Anson Cooke, Lynn Craycroft, Kent Fiala, Kate Finlayson, Anne Geer, Marty Girolami, Russell Herman, Carl and Loren Hintz, Tom Krakauer, Terry Logue, Phil Manning, Susan McIntyre, Melinda Meade, Kyle Mills, Micky Mills, Robin Moran, Judy Murray, Rick Payne, Lynn Richardson, Robert Rybczynski, Harriet Sato, Margaret Schultz, Mike Schultz, Doug Shadwick, Judy Teague, Ginger Travis, Andy Upshaw, Margaret Vimmerstedt, Phil Warren, Rouse Wilson, Bob Winstead

Exclusives: Ring-necked Duck

Notes: May 6, 2007, started out as a fairly typical spring day weather-wise. At 5:30 AM the sky was overcast, the temperature was 60 °F, and there was no wind. The clouds broke a bit by mid-morning, but then the winds picked up—20 mph, gusting to 30. By noon, the temperature had climbed to 70 °F. A pleasant enough day, but the winds made birding by ear difficult.

We only had 39 observers in 18 parties in the field this year, the fewest since the early 1990s, which means that our coverage of the count circle left out some key areas. We tallied 6487 individual birds (much lower than our 10-year average: 8643), but we did identify 126 species (right on our 10-year average: 126), during 111 party hours in the field (10-year average: 146).

Perhaps the rarest bird of the day was a Peregrine Falcon, reported by Barbara Coffman, Kyle Mills, and Micky Mills. This is only the second time this species has been recorded on our count, the previous report being one bird in 1984! Needless to say, Barbara, Kyle and Micky were justifiably thrilled with their find. Other species of note: two Ring-necked Ducks (Will Cook and Kent Fiala); two Red-breasted Mergansers (one by Tom Krakauer, Lynn Richardson, and Mike Schultz, and one by Phil Warren); two Pied-billed Grebes (one by Will and Kent, and one by Shelley Theye, who couldn't make the count this year, but saw one as she was passing through the area); one Northern Harrier (Patrick Coin, Marty Girolami, and Susan McIntyre); and five Wilson's Snipe (Anne Geer, Andy Upshaw, Rouse Wilson). Each of these species has been seen once or a just a few times in the past 10 years. Krakauer, Richardson, and Schultz found nine sandpipers at Ebenezer Point in the midst of a very large number of motorcyclists and their roaring and rumbling motorcycles. The birds were obviously quite exhausted and allowed for a very close approach. Too close, actually. Tom, Carol, and Mike identified them as Pectorals because of their apparent large size and bright yellow legs. But when Patrick Coin went back after lunch and photographed the same birds (presumably), it was clear from his photos that they were Least Sandpipers. The tricks the mind can play under unusual circumstances! Special thanks to Patrick for his photos and his persistence in getting the correct ID. As has often been the case in recent years, we generated new record-high counts for several species: 170 Great Blue Herons (previous high was 139 in 2005), 53 Black Vultures (42 in 2003), 46 Ospreys (45 in 2002), and a stunning 54 Bald Eagles (34 in 2001). Were there really that many Ospreys and Eagles? Most observers included the times of their sightings and whether the Eagles were immatures or adults, as requested (and appreciated), and your faithful compiler did his best to identify possible overlapping reports. To be honest, since these birds are fairly wide-ranging in their movements up and down the lake, I don't really think there were that many individuals. But even taking the most conservative approach in analyzing the numbers, I cannot justify reporting fewer birds. This will always be a problem for bird counts like these. If any of you have suggestions for practical ways to get more accurate results, I'd appreciate your input.

Some species that were missed this year: American Kestrel, Great Horned Owl, Magnolia and Black-throated Green Warblers, Louisiana Waterthrush, and Swamp Sparrow.

Norm Budnitz

Durham—count date 29 April, 116 species, 6531 individuals, 17 participants, 81.90 party-hours.

Compiler: Mike Schultz (ross.gull@verizon.net)

Participants: Brian Bockhahn, Norm Budnitz, Will Cook, Diana Davis, Tom Driscoll, Brian Murphy, Rick Payne, William Schlesinger, Lois Schultz, Michael Schultz, Doug Shadwick, Jacob Socolar, Deck Stapleton, John Stellwagen, Edith Tatum, Judy Teague, Amalie Tuffin

Exclusives: None

Notes: Rare birds for the count period were Common Raven and Yellow-crowned Night-Heron.

We had a bit of an odd mix of high and low counts. Purple Martin was missing for the first time in the history of the count, and Yellow-rumped Warbler and White-throated Sparrow set record lows!?! Odd for such common species. New high totals were set by Eastern Wood-Pewee, Fish Crow, Northern Parula, Black-throated Blue Warbler, Ovenbird, Northern Waterthrush, Summer Tanager, Northern Cardinal, and Brown-headed Cowbird. The overall good numbers of warblers, including 4 Blackpolls, plus the low number of Yellow-rumps, seem to indicate that warblers in general were a bit ahead of schedule.

Mike Schultz

Wake County—count date 12 May, 119 species, 3407 individuals, 23 participants, 59.00 party-hours.

Compiler: John Connors (John.Connors@ncmail.net)

Participants: Julie Angerman-Stewart, Joe Bearden, Karen Bearden, Brian Bockhahn, Jerome Brewster, Halbert Charmichael, John Connors, Matthew Daw, Alan Eakes, Jaap Folmer, Lena Gallitano, Ann Hicks, Vernon Janke, Mark Johns, Will Kimler, Margaret Marlett, Jim Mulholland, Bob O'Brien, Mike Pollard, Annie Runyon, Harriet Sato, Clyde Smith, Kendrick Weeks

Exclusives: none

Notes: We had dismal weather with intermittent, and sometimes strong showers through the morning, and then clearing in the afternoon. Birds were not singing and lighting was poor. Difficult birding. Participation was low due in part to the weather, but also conflicting schedule with NCSU graduation and the NC Herp Society meeting. Numbers of species were surprisingly high, but this is partly an artifact of gull (Laughing (1). Bonaparte's (2), and Herring (1)) and other reports, including a Wild Turkey (1) and Wilson's Snipe (2), from Falls Lake by Brian Bockhahn.

Some interesting observations include: Great Egret (4) at Lake Wheeler, American Coot (1) at Lake Johnson, Lesser Yellowlegs (3), Greater Yellowlegs (1), and Least Sandpiper (22) at Dairy Ponds; Tree Swallow (3), Swainson's Thrush (3), Veery (4), Loggerhead Shrike (4) found at three sites; 22 species of warbler, though most in low numbers since few were "singin' in the rain." Those seen included: Yellow (6), Chestnut-sided (1), Magnolia (1), Black-throated Blue (4), Black-throated Green (5), Prairie (2), Blackpoll (3), Black-and-white (1), American Redstart (10), Northern Waterthrush (1), and Kentucky (1). Also observed were Savannah Sparrow (2) and Grasshopper Sparrow (7) at Mid-Pines, and a White-throated Sparrow (1) at a feeder; and Eastern Meadowlark (10).

Significant misses include: Mute Swan not recorded, Hooded Merganser not found at Yates Mill Pond; Northern Bobwhite appear to have disappeared from Wake County; nightjars, other than Common Nighthawk, were absent, in fact, none were heard during the count-week period, despite

repeated efforts at Schenck Forest and Anderson Point; Field Sparrow was not recorded for the second time in count history; Rose-breasted Grosbeak, Bobolink, and Baltimore Oriole were also not reported.

Cliff Swallows continue nesting in northern Wake County along the Neuse River bridges. Great Blue Heron colonies are shrinking. Nest trees have been falling and birds have not found other suitable trees over water on reservoirs other than Falls. A recently discovered colony in tall pines along Swift Creek was not surveyed due to weather. Purple Martin colonies are now established at Prairie Ridge Preserve (3 nests), and at NC Museum of Art (1+ nest) in addition to NCSU University Club with a couple dozen nests. Anderson Point nest structure was damaged and not open.

John Connors

Falls Lake—count date 2 May, 120 species, 5281 individuals, 19 participants, 75.75 party-hours.

Weather: Low 64, high 86; wind 0–10 mph; partly cloudy, no precipitation.

Compiler: Brian Bockhahn (cbockhahn4@earthlink.net)

Participants: Jeff Beane, Karen Berry, Brian Bockhahn, Chuck Border, Amy Corbally, Ed Corey, Lena Gallitano, David Lenat, Joan and John Little, Trish MacPherson, Deborah Robertson, Harry Shoffner, Clyde Smith, Josh and Sterling Southern, Deck Stapleton, and Patty Tice.

Exclusives: Common Goldeneye

Notes: The fourth Falls Lake Spring Bird Count was held on May 1, 2007 under mostly sunny skies and perfect temperatures, 64–86 degrees. A record-high total of 19 participants in 12 parties found a record total of 120 species (with three more species recorded during count week). This smashed our 2006 record of 112.

Highlights were numerous; probably the most impressive was a well photographed female Common Goldeneye at a private pond north of Beaverdam Lake, talk about lost. On May 4 there was a count week Common Moorhen in the same pond. Patagonia Rest Stop Syndrome!

First records: Semipalmated Sandpiper at Rollingview, Veery at Rollingview, Savannah Sparrows in Wake Forest (hopefully will become regular somewhere), Common Raven at the US 1 quarry (might they stay to breed?!), Hooded Merganser at north end of Beaverdam Lake, Loggerhead Shrike near Camp Kanata (please breed), Blackpoll Warblers at Rollingview and Sandling Beach and hopefully becoming more regular Kentucky Warbler along Lick Creek.

Second count records: Least Sandpiper at Rollingview, two Hermit Thrush at Holly Point, Bobolink in the B. W. Wells Area, Swainson's Thrush at Blue Jay Point and the park office area, Cedar Waxwings and Palm Warbler in area 4/5, Eastern Screech Owl at Durant Nature Park, which also had our third Great Horned and some nice CW warblers.

Misses: Northern Bobwhite, Cooper's Hawk, Caspian Tern, and Ruby-crowned Kinglet.

Many thanks to everyone who volunteered to count!

Brian Bockhahn

Kerr Lake—count date 1 May, 124 species, 4979 individuals, 10 participants, 73.75 party-hours.

Weather: Low 61, high 90; wind 0–10 mph; no precipitation.

Compiler: Brian Bockhahn (cbockhahn4@earthlink.net)

Participants: Brian Bockhahn, Adam D’Onofrio, Lori Fleming, David Lenat, Fred Lobdell, Grace McCrowell, Paul Scharf, Harry Shoffner, Clyde Smith, and Deck Stapleton

Exclusives: none

Notes: The fourth Kerr Lake Spring Bird Count was held on May 2, 2007 under mostly sunny skies and perfect temperatures, 62–89 degrees. Our regular crew of 10 participants in nine parties found a record total of 124 species. This smashed our 2006 record of 118 (2005—117, 2004—111).

New to spring checklist: new spring records consisted of three parties finding Bobolinks, area 3, 5 and a flock of 58 at Dick Cross WMA in area 2. A Common Tern above the dam was also new to the list.

New to count (prior spring records—E list): Red-breasted Merganser by two parties, seven above dam and one in area 19; Wilson’s Snipe also by two parties, area 2 and area 6; single Great Egret in area 10, Magnolia Warbler below the dam and Northern Waterthrush in area 6.

New to count (prior count week—D list): two American Black Duck above the dam in area 3; two Green Heron in area 3; Least Sandpiper by two parties, one above the dam and 13 at Dick Cross!; Greater Yellowlegs by two parties area 2 and 10; Lesser Yellowlegs by two parties, area 2 and 6; Kentucky Warbler in area 1.

Misses: Sharp-shinned Hawk, Eastern Screech-Owl (that’s three of four missed, where are they breeding up here?) and Swainson’s Thrush (warm weather must have pushed them through).

I will share one magical moment during the wild day I had. I was sick all day and blowing my nose below the dam when three Caspian Terns flew by. I got out and lumbered up the hill below the dam and had seven Red-breasted Mergansers land 20 feet in front of me. Next was a Common Tern that flew by directly in front of me offering great views, and then to my left on the beach was a Least Sandpiper. Thinking my luck would run out soon I pushed the willows and out came a Palm Warbler. It was the best five minutes of my day. If I had been in Patagonia, Arizona I would have expected a Rose-throated Becard to poop on my car at the rest stop.

Many thanks to everyone who volunteered to count!

Brian Bockhahn

Raven Rock State Park—count date 28 April, 111 species, 3797 individuals, 12 participants, 55.50 party-hours.

Weather: low 56, high 77; wind variable at 0–12 mph; clear.

Compiler: Paul C. Hart (Paul.Hart@ncmail.net)

Exclusives: none

Participants: Jim Bateson, Paul Hart, Tom Howard, Webster Lupton, Bobby Lutfy, Karin Reese, Kevin Reese, Mitch Reese, Larry Rose, Brian Strong, Erik Thomas, Kendrick Weeks

Notes: The species total was slightly lower than average, possibly because several usual participants were unable to help count this spring. The wastewater treatment plant in Lillington is still in the midst of construction disarray, but hopefully will be more productive for shorebirds when the new treatment lagoons are completed. Misses included Cooper's Hawk, Solitary Sandpiper, Least Sandpiper, Great Horned Owl, Hairy Woodpecker, Yellow Warbler, and Rose-breasted Grosbeak. Eurasian Collared-Dove was recorded for the second time during the spring count, having been seen the first time in 2004.

Paul C. Hart

Coast

Onslow County—count date 5 May, 157 species, 11,223 individuals, 15 participants, 56.50 party-hours.

Weather: Low 55, high 76, calm, mostly sunny skies.

Compiler: Jim O'Donnell (odj1j1@charter.net)

Participants: Sam Bland, Rich and Susan Boyd, Jack Fennell, John Fussell, Al Gamache, Gilbert S. Grant, Martin Korenek, Ken Lady, Jim and Laura O'Donnell, Steve Shaffes, Mark Shields, Tim Trott, Andy Webb

Exclusives: American Wigeon, Northern Gannet, Brown Pelican, Anhinga, Least Bittern, Tricolored Heron, Cattle Egret, White Ibis, Glossy Ibis, Clapper Rail, Sora, Common Moorhen, Black-bellied Plover, Wilson's Plover, Piping Plover, American Oystercatcher, Black-necked Stilt, Willet, Whimbrel, Marbled Godwit, Ruddy Turnstone, Red Knot, White-rumped Sandpiper, Pectoral Sandpiper, Dunlin, Stilt Sandpiper, Short-billed Dowitcher, Great Black-backed Gull, Caspian Tern, Royal Tern, Sandwich Tern, Least Tern, Black Skimmer, Marsh Wren, Nelson's Sharp-tailed Sparrow, Seaside Sparrow, Painted Bunting, Boat-tailed Grackle

Notes: Onslow County had a great count this year. Participation was down a little but the weather cooperated and made for a great day in the field.

Birds of note: A Swainson's Thrush and an American Woodcock, each a first for this count. Two teams had Anhingas, and a nice list of shorebirds including Pectoral and White-rumped Sandpipers. Birds missed for the first time in 12 years included Belted Kingfisher, Hairy Woodpecker, and White-breasted Nuthatch. Also a very low count of Northern Bobwhite, only six birds, down from a 12-year average of 25. Hard to believe we had three times as many Wild Turkeys as Bobwhites.

Jim O'Donnell

Table 2. 2007 spring counts in North Carolina

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Count type	county	IBA	county	circle	IBA	circle	circle	circle	circle	circle	circle	county	circle	circle	circle	county				
Canada Goose	38		58	108		182	598	166	273	154	285	272	133	87	135	46	2535	0.72	2.59	0.81
Mute Swan								2									2	0.00	0.00	0.00
Wood Duck	11		7	13		25	25	31	81	29	30	11	19	13	10	21	326	0.11	0.31	0.37
American Wigeon																1	1	0.00	0.00	0.02
American Black Duck									1					2		7	10	0.00	0.00	0.12
Mallard	27		34	84		120	185	111	57	40	26	76	34	5	54	32	885	0.51	0.80	0.57
Blue-winged Teal								3			6					6	15	0.00	0.01	0.11
Ring-necked Duck						*				2							2	0.00	0.00	0.00
Lesser Scaup								6								1	7	0.00	0.01	0.02
Scaup sp. Common							1										1	0.00	0.00	0.00
Goldeneye Hooded													1				1	0.00	0.00	0.00
Merganser							2		2				1				5	0.00	0.01	0.00

Date	Transylvania 5/12	Balsam Mts 5/19	Henderson 5/12	Buncombe 5/13	Black Mts 5/26	Forsyth 5/5	Greensboro 5/5	Southern Pines 4/29	Chapel Hill 5/5	Jordan Lake 5/6	Durham 4/29	Wake 5/12	Falls Lake 5/2	Kerr lake 5/1	Raven Rock 4/28	Onslow 5/5	total birds	birds per party-hr		
																		mountains	piedmont	coastal
Red-breasted Merganser						*		4		2				8		12	26	0.00	0.02	0.21
Ruddy Duck						2	7	4								64	77	0.00	0.01	1.13
Duck sp.										4							4	0.00	0.00	0.00
Ruffed Grouse		1		7	2												10	0.04	0.00	0.00
Wild Turkey Northern		1	6	20	6	1	1	1	5	7	15	1	12	5	4	18	103	0.12	0.06	0.32
Bobwhite			2	8			1	18		5	3			13	6	6	62	0.04	0.05	0.11
Common Loon	1						2		2				4	10		7	26	0.00	0.02	0.12
Pied-billed Grebe	1							4		2	1			1		1	10	0.00	0.01	0.02
Horned Grebe								1									1	0.00	0.00	0.00
Northern Gannet																395	395	0.00	0.00	6.99
Brown Pelican																229	229	0.00	0.00	4.05
Double-crested Cormorant	2		1	1		2	71	107	135	360	722	15	139	326	6	132	2019	0.01	2.14	2.34
Anhinga																3	3	0.00	0.00	0.05
Least Bittern																5	5	0.00	0.00	0.09
Great Blue Heron	6		1			10	51	20	230	170	94	42	44	63	12	9	752	0.02	0.84	0.16
Great Egret							2		10	1		4		1		46	64	0.00	0.02	0.81

Date	Transylvania 5/12	Balsam Mts 5/19	Henderson 5/12	Buncombe 5/13	Black Mts 5/26	Forsyth 5/5	Greensboro 5/5	Southern Pines 4/29	Chapel Hill 5/5	Jordan Lake 5/6	Durham 4/29	Wake 5/12	Falls Lake 5/2	Kerr lake 5/1	Raven Rock 4/28	Onslow 5/5	total birds	birds per party-hr		
																		mountains	piedmont	coastal
Snowy Egret									2							20	22	0.00	0.00	0.35
Little Blue Heron									1							2	3	0.00	0.00	0.04
Tricolored Heron																19	19	0.00	0.00	0.34
Cattle Egret																12	12	0.00	0.00	0.21
Green Heron	3		12	4		6	14	20	4	3	6	6		2	2	9	91	0.07	0.07	0.16
Black-crowned Night-Heron									1							1	2	0.00	0.00	0.02
Yellow-crowned Night-Heron						8			*		*						8	0.00	0.01	0.00
White Ibis																5	5	0.00	0.00	0.09
Glossy Ibis																1	1	0.00	0.00	0.02
Black Vulture	4		1	1		8	35	7	31	53	35	11	36	14	4	4	244	0.02	0.27	0.07
Turkey Vulture	35	24	6	47	1	52	19	64	49	193	76	11	89	79	57	88	890	0.40	0.78	1.56
Osprey						1	4	4	11	46	21	3	28	10	1	17	146	0.00	0.15	0.30
Bald Eagle					1		4	2	27	54	8	7	7	3		1	114	0.00	0.13	0.02
Northern Harrier			1						1	1							3	0.00	0.00	0.00
Sharp-shinned Hawk	1		1	2	1	*	1	1		2			2		1		12	0.02	0.01	0.00
Cooper's Hawk	1		1	1		16	5	4	2	6	2	3		2			43	0.01	0.05	0.00
accipiter sp.								1									1	0.00	0.00	0.00

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Red-shouldered Hawk	3	2	3	6		9	22	23	22	17	23	15	12	10	20	12	199	0.05	0.20	0.21
Broad-winged Hawk	1	10		4	6	2	1	3		4			1	1	1	34	0.07	0.01	0.02	
Red-tailed Hawk	10	4	4	6	1	10	19	15	13	22	20	13	6	11	9	6	169	0.09	0.16	0.11
Buteo sp. American Kestrel			5			2	1	2				1					11	0.02	0.01	0.00
Peregrine Falcon	1	5								1							7	0.02	0.00	0.00
Clapper Rail																19	19	0.00	0.00	0.34
Sora Common Moorhen																2	2	0.00	0.00	0.04
American Coot	3					*	1	12		5	3	1				132	157	0.01	0.02	2.34
Black-bellied Plover																98	98	0.00	0.00	1.73
Wilson's Plover																11	11	0.00	0.00	0.19
Semipalmated Plover						2										1163	1165	0.00	0.00	20.58
Piping Plover																4	4	0.00	0.00	0.07
Killdeer	2		19	7		24	32	43	37	17	15	16	19	28	33	35	327	0.10	0.30	0.62
American Oystercatcher																14	14	0.00	0.00	0.25

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
																		mountains	piedmont	coastal
Black-necked Stilt																3	3	0.00	0.00	0.05
Spotted Sandpiper			7	4		74	42	24	39	17	7	4	17	45	12	4	296	0.04	0.32	0.07
Solitary Sandpiper				6		98	61	15	28	7	6	13	1	7		3	245	0.02	0.27	0.05
Greater Yellowlegs							7					1		5	10	73	96	0.00	0.03	1.29
Willet																44	44	0.00	0.00	0.78
Lesser Yellowlegs						2	4		2			3		10		164	185	0.00	0.02	2.90
Whimbrel																18	18	0.00	0.00	0.32
Marbled Godwit																1	1	0.00	0.00	0.02
Ruddy Turnstone																69	69	0.00	0.00	1.22
Red Knot																12	12	0.00	0.00	0.21
Sanderling							1									325	326	0.00	0.00	5.75
Semipalmated Sandpiper									1				1			1065	1067	0.00	0.00	18.85
Least Sandpiper			3			9	1	1	14	9		22	1	14		214	288	0.01	0.08	3.79
White-rumped Sandpiper																4	4	0.00	0.00	0.07
Pectoral Sandpiper																1	1	0.00	0.00	0.02

Date	Transylvania 5/12	Balsam Mts 5/19	Henderson 5/12	Buncombe 5/13	Black Mts 5/26	Forsyth 5/5	Greensboro 5/5	Southern Pines 4/29	Chapel Hill 5/5	Jordan Lake 5/6	Durham 4/29	Wake 5/12	Falls Lake 5/2	Kerr lake 5/1	Raven Rock 4/28	Onslow 5/5	total birds	birds per party-hr		
																		mountains	piedmont	coastal
Dunlin																1078	1078	0.00	0.00	19.08
Stilt Sandpiper																2	2	0.00	0.00	0.04
Short-billed Dowitcher																1370	1370	0.00	0.00	24.25
Wilson's Snipe						1	1	6		5		2		2		1	18	0.00	0.02	0.02
American Woodcock		1			1			2								1	5	0.01	0.00	0.02
Laughing Gull												1				474	475	0.00	0.00	8.39
Bonaparte's Gull										2		2	1	87		9	101	0.00	0.10	0.16
Ring-billed Gull						178	28	16	38	234	33	58	547	72		145	1349	0.00	1.37	2.57
Herring Gull						3						1				188	192	0.00	0.00	3.33
Great Black- backed Gull																5	5	0.00	0.00	0.09
Least Tern																92	92	0.00	0.00	1.63
Caspian Tern														11			11	0.00	0.01	0.00
Common Tern						1								1		41	43	0.00	0.00	0.73
Forster's Tern									4							24	28	0.00	0.00	0.42
Royal Tern																231	231	0.00	0.00	4.09
Sandwich Tern																46	46	0.00	0.00	0.81
Tern sp.										2							2	0.00	0.00	0.00

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Black Skimmer																51	51	0.00	0.00	0.90
Rock Pigeon	9	9	37	10		70	88	3	18	16	9	62	17	10	14	53	425	0.23	0.35	0.94
Eurasian Collared-Dove			2												2	5	9	0.01	0.00	0.09
Mourning Dove	108	4	136	90	10	93	217	134	248	141	119	98	111	140	140	182	1971	1.23	1.64	3.22
Yellow-billed Cuckoo	3		1	6		2	1	3	12	8	9	5	5	12	4	12	83	0.04	0.07	0.21
Black-billed Cuckoo		1		1		*											2	0.01	0.00	0.00
Barn Owl				2													2	0.01	0.00	0.00
Eastern Screech-Owl						2		3		1			2		1	1	10	0.00	0.01	0.02
Great Horned Owl						1	1	2			1	1	1	2			9	0.00	0.01	0.00
Barred Owl	2	3		3		4	4	2	20	4	11	2	3	8	4	1	71	0.03	0.07	0.02
Common Nighthawk	4					*		7				2				5	18	0.01	0.01	0.09
Chuck-will's-widow								28		2			3	5	2	22	62	0.00	0.05	0.39
Whip-poor-will	1							10	10	11	3		5	3	2	4	49	0.00	0.05	0.07
Chimney Swift	31	23	74	69	19	354	411	102	69	84	102	56	11	4	66	14	1489	0.77	1.43	0.25
Ruby-throated Hummingbird	32	3	4	14	3	6	17	20	43	13	24	12	14	19	10	5	239	0.20	0.20	0.09

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Belted Kingfisher	5		1	9		12	11	13	19	7	6	13	4	7	9		116	0.05	0.11	0.00
Red-headed Woodpecker						*	8	16	23	11	20	2	17	14	3	21	135	0.00	0.13	0.37
Red-bellied Woodpecker	27	5	17	33		81	94	107	183	44	86	59	53	53	56	23	921	0.29	0.93	0.41
Yellow-bellied Sapsucker		2		1				1									4	0.01	0.00	0.00
Downy Woodpecker	13	6	17	13	6	24	44	26	78	16	28	25	21	14	16	3	350	0.19	0.33	0.05
Hairy Woodpecker	6	13	4	6	2	4	1	4	20	7	5	3	9	8			92	0.11	0.07	0.00
Red-cockaded Woodpecker								16								1	17	0.00	0.02	0.02
Northern Flicker	6	5	5	13		24	10	21	20	7	14	5	11	6	4	8	159	0.10	0.14	0.14
Pileated Woodpecker	15	10	14	13	5	1	4	28	34	8	10	9	12	14	13	13	203	0.20	0.15	0.23
Eastern Wood-Pewee	2	14	3	22	5	9	8	28	14	25	10	6	16	17	13	55	247	0.16	0.17	0.97
Acadian Flycatcher	2		9	12	9		2	8	31	7	8	15	11	13	4	13	144	0.11	0.11	0.23
Alder Flycatcher		5															5	0.02	0.00	0.00
Willow Flycatcher	10		28														38	0.13	0.00	0.00
Least Flycatcher		17															17	0.06	0.00	0.00

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
<i>Empidonax</i> sp.											2						2	0.00	0.00	0.00
Eastern Phoebe	16	4	21	32	6	18	24	22	51	29	23	15	25	12	27		325	0.28	0.28	0.00
Great Crested Flycatcher	7	3	10	4		17	32	134	79	66	39	37	64	52	57	93	694	0.09	0.66	1.65
Eastern Kingbird	9		9	15		13	31	103	39	70	9	43	34	68	36	24	503	0.12	0.51	0.42
Scissor-tailed Flycatcher								1									1	0.00	0.00	0.00
Loggerhead Shrike								8				4	1		16		29	0.00	0.03	0.00
White-eyed Vireo	7	4	15	4		7	7	67	21	29	68	4	26	62	30	32	383	0.11	0.36	0.57
Yellow-throated Vireo			1	3				19	14	6	7	1	9	19	14	6	99	0.01	0.10	0.11
Blue-headed Vireo	23	180	12	79	96	*	7	4	1	3	5	1	10	7		2	430	1.38	0.04	0.04
Warbling Vireo				2													2	0.01	0.00	0.00
Red-eyed Vireo	14	39	49	149	15	56	103	54	189	130	209	83	209	257	99	17	1672	0.94	1.58	0.30
Blue Jay	53	16	79	64	2	101	138	155	132	59	115	41	73	61	85	28	1202	0.76	1.09	0.50
American Crow	150	75	160	143	30	166	222	234	320	234	158	76	211	154	154	82	2569	1.98	2.19	1.45
Fish Crow						4	32	69	49	23	37	26	49	34	3	23	349	0.00	0.37	0.41
Common Raven		27	1	4	15	4					*		1				52	0.17	0.01	0.00
Crow sp.								26							10		36	0.00	0.04	0.00

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Horned Lark			1					1							2		4	0.00	0.00	0.00
Purple Martin	9		13	5		16	132	125	34	50		82	2	52	71	148	739	0.10	0.64	2.62
Tree Swallow	45		14	46	3	10	62	5	38	69	37	3	17	9	5	36	399	0.38	0.29	0.64
Northern Rough-winged Swallow	16		31	34		76	106	50	77	71	20	16	49	35	19	8	608	0.29	0.59	0.14
Bank Swallow						*	11	1		11							23	0.00	0.03	0.00
Cliff Swallow			24			66	9		2	230	8	24	142	6			511	0.09	0.55	0.00
Barn Swallow	109		62	68	6	213	216	93	175	236	36	95	42	30	68	133	1582	0.87	1.37	2.35
swallow sp.											35						35	0.00	0.04	0.00
Carolina Chickadee	67	20	62	74	16	81	132	137	279	133	135	84	85	82	46	14	1447	0.85	1.36	0.25
Black-capped Chickadee		27															27	0.10	0.00	0.00
Chickadee sp.		11															11	0.04	0.00	0.00
Tufted Titmouse	65	19	66	103	9	91	125	195	325	163	169	80	164	130	64	40	1808	0.93	1.71	0.71
Red-breasted Nuthatch		31		15	62		1										109	0.38	0.00	0.00
White-breasted Nuthatch	29	8	5	22	1	24	27	29	38	3	10	15	11	14	4		240	0.23	0.20	0.00
Brown-headed Nuthatch				4		20	36	82	67	34	22	24	41	44	13	20	407	0.01	0.43	0.35

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Brown Creeper		14		6	7		1										28	0.10	0.00	0.00
Carolina Wren	55	6	84	123	6	79	178	214	373	185	184	128	145	105	72	44	1981	0.97	1.89	0.78
House Wren	32	2	11	15	1	23	22	3	48	5	19	12	3	2	2		200	0.22	0.16	0.00
Winter Wren		20		28	66												114	0.40	0.00	0.00
Marsh Wren																1	1	0.00	0.00	0.02
Golden-crowned Kinglet		118		17	234												369	1.31	0.00	0.00
Ruby-crowned Kinglet				2		11	2	17	7	1	12			3	1		56	0.01	0.06	0.00
Blue-gray Gnatcatcher	5	2	41	42		28	68	194	331	145	258	66	164	144	85	81	1654	0.32	1.68	1.43
Eastern Bluebird	59	2	43	47	2	74	135	152	169	155	103	47	123	99	123	18	1351	0.54	1.34	0.32
Veery	4	68	1	31	56	13	5	1	4	2		4	1				190	0.57	0.03	0.00
Gray-cheeked Thrush						*												0.00	0.00	0.00
Swainson's Thrush			2	2	4	26	5		8	4	2	3	2			1	59	0.03	0.06	0.02
Hermit Thrush		2		7	19	2		5					2		1		38	0.10	0.01	0.00
Wood Thrush	24	13	16	51	6	33	65	25	103	37	52	22	30	54	11	3	545	0.39	0.49	0.05
American Robin	98	176	165	214	35	440	468	78	220	56	58	107	59	21	80	20	2295	2.44	1.80	0.35
Gray Catbird	41	57	51	48	22	75	106	64	117	37	38	30	18	15	27	33	779	0.78	0.60	0.58

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Northern Mockingbird	38		53	50	1	49	154	187	149	75	59	32	58	86	119	61	1171	0.50	1.10	1.08
Brown Thrasher	23	6	27	16		38	46	62	61	28	18	19	25	56	38	19	482	0.26	0.44	0.34
European Starling	132	6	177	137	5	152	453	141	158	55	110	127	87	77	214	140	2171	1.62	1.79	2.48
Cedar Waxwing	56	16	99	56	55	149	267	98	156	57	73	38	2	14	5		1141	1.00	0.98	0.00
Blue-winged Warbler									1		3						4	0.00	0.00	0.00
Tennessee Warbler							4										4	0.00	0.00	0.00
Nashville Warbler						*		1									1	0.00	0.00	0.00
Northern Parula	22	19	9	9	4	44	46	52	132	40	84	22	63	39	43	18	646	0.22	0.64	0.32
Yellow Warbler	3		2	14		29	23	8	28	5	11	6	5	12			146	0.07	0.14	0.00
Chestnut-sided Warbler	7	302	6	54	30	9	5	1		1		1	*				416	1.41	0.02	0.00
Magnolia Warbler			2			2	4	1				1	*	1			11	0.01	0.01	0.00
Cape May Warbler		3		2		1			1			1					8	0.02	0.00	0.00
Black-throated Blue Warbler	9	104	2	86	69	65	52	33	119	40	34	4	53	25	18		713	0.96	0.50	0.00
Yellow-rumped Warbler	3		2	5		241	188	67	85	131	96	4	72	164	31	4	1093	0.04	1.23	0.07

Date	Transylvania 5/12	Balsam Mts 5/19	Henderson 5/12	Buncombe 5/13	Black Mts 5/26	Forsyth 5/5	Greensboro 5/5	Southern Pines 4/29	Chapel Hill 5/5	Jordan Lake 5/6	Durham 4/29	Wake 5/12	Falls Lake 5/2	Kerr lake 5/1	Raven Rock 4/28	Onslow 5/5	total birds	birds per party-hr		
																		mountains	piedmont	coastal
Black-throated Green Warbler	5	95	8	63	98	12	12		2		4	5	2		1		307	0.95	0.04	0.00
Blackburnian Warbler	4	29	5	29	27	1			1								96	0.33	0.00	0.00
Yellow-throated Warbler	3	3	4	2			1	41	26	33	52	10	22	40	31	17	285	0.04	0.29	0.30
Pine Warbler			5	2		9	44	65	141	161	106	47	115	73	44	47	859	0.02	0.91	0.83
Prairie Warbler				1		*	8	66	32	21	24	2	51	52	32	55	344	0.00	0.33	0.97
Palm Warbler		1	2			5	1	1	2	5	5		1	2			25	0.01	0.02	0.00
Blackpoll Warbler	10	4	22	19		32	21	1	30	16	4	3	2	8	1		173	0.19	0.13	0.00
Cerulean Warbler	1			4			1	1									7	0.02	0.00	0.00
Black-and-white Warbler	8	31	8	67	14	13	15	52	31	15	18	1	12	10	28	2	325	0.45	0.22	0.04
American Redstart	6	10	20	28		26	35	21	61	42	17	10	4	7	14	2	303	0.23	0.27	0.04
Prothonotary Warbler						4	5	15	51	4	17	1	8	24	25	26	180	0.00	0.17	0.46
Worm-eating Warbler	3		3	10	1	4	2	2	2	1	4		*		2	16	50	0.06	0.02	0.28
Swainson's Warbler	2							1							1	6	10	0.01	0.00	0.11
Ovenbird	16	69	17	109	29	9	10	67	124	77	68	15	78	97	40	12	837	0.85	0.66	0.21

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Northern Waterthrush	1		9			2	42	1	22	4	15	1		1	1		99	0.04	0.10	0.00
Louisiana Waterthrush	6			2		2	2	5	16		10	7	8	3	14		75	0.03	0.08	0.00
Kentucky Warbler	1		1	3		2		3	5	1	8	1	3	1	6		35	0.02	0.03	0.00
Connecticut Warbler			1														1	0.00	0.00	0.00
Common Yellowthroat	21	41	44	5		28	4	65	173	65	102	25	62	53	44	36	768	0.39	0.71	0.64
Hooded Warbler	30	17	8	84	2	6	8	29	39	13	27	2	36	33	32	8	374	0.50	0.26	0.14
Canada Warbler		89	1	79	76	1	3										249	0.87	0.00	0.00
Yellow-breasted Chat	1		10	2		2	8	23	40	32	45	5	24	39	20	22	273	0.05	0.27	0.39
Summer Tanager						7	4	47	106	82	37	36	94	49	33	19	514	0.00	0.56	0.34
Scarlet Tanager	13	25	5	49	8	60	53	4	49	36	24	13	12	34	4		389	0.35	0.33	0.00
Eastern Towhee	125	215	132	150	49	110	135	180	237	83	116	61	72	50	34	48	1797	2.38	1.22	0.85
Bachman's Sparrow								4								3	7	0.00	0.00	0.05
Chipping Sparrow	19	4	21	40	1	20	48	179	156	158	62	41	85	159	62	15	1070	0.30	1.10	0.27
Field Sparrow	6	8	23	21		12	21	21	20	11	38		16	27	28		252	0.21	0.22	0.00
Savannah Sparrow			7	2		1	1	8	7	5		2	13	10	10	5	71	0.03	0.06	0.09

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	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Grasshopper Sparrow			1			3	5	6			7	7		2	1		32	0.00	0.04	0.00
Nelson's Sharp-tailed Sparrow																2	2	0.00	0.00	0.04
Sharp-tailed Sparrow sp.																2	2	0.00	0.00	0.04
Seaside Sparrow																3	3	0.00	0.00	0.05
Song Sparrow	116	38	220	201	14	52	92	3	59	2	24	4	1	6	4		836	2.09	0.28	0.00
Swamp Sparrow			2			3	2	2	22		4		1	3	4		43	0.01	0.05	0.00
White-throated Sparrow	5		2			45	19	135	39	14	58	1	19	45	41		423	0.02	0.47	0.00
White-crowned Sparrow						*	1		1		17			2			21	0.00	0.02	0.00
Dark-eyed Junco	8	346		107	208		1				2						672	2.37	0.00	0.00
Northern Cardinal	110	9	171	134	5	201	383	414	624	273	393	206	259	213	156	121	3672	1.52	3.54	2.14
Rose-breasted Grosbeak	11	41	3	37	2	37	17	4	23	8	1		2	2			188	0.33	0.11	0.00
Blue Grosbeak	4		8			7	10	47	44	49	28	14	25	31	17	36	320	0.04	0.31	0.64
Indigo Bunting	47	46	93	159	68	62	76	52	112	124	109	41	77	93	30	47	1236	1.46	0.88	0.83
Painted Bunting																16	16	0.00	0.00	0.28
Bobolink	26		54	6			2		35	5	23		12	66	76	110	415	0.30	0.25	1.95

Date	Transylvania	Balsam Mts	Henderson	Buncombe	Black Mts	Forsyth	Greensboro	Southern Pines	Chapel Hill	Jordan Lake	Durham	Wake	Falls Lake	Kerr lake	Raven Rock	Onslow	total birds	birds per party-hr		
	5/12	5/19	5/12	5/13	5/26	5/5	5/5	4/29	5/5	5/6	4/29	5/12	5/2	5/1	4/28	5/5		mountains	piedmont	coastal
Red-winged Blackbird	115		136	136		59	101	100	154	36	86	42	9	56	50	136	1216	1.37	0.79	2.41
Eastern Meadowlark	31		20	16		8	22	64	16	10	23	10	7	41	33	6	307	0.24	0.27	0.11
Common Grackle	46		82	68	4	207	412	207	318	141	270	124	136	97	205	143	2460	0.71	2.40	2.53
Boat-tailed Grackle																101	101	0.00	0.00	1.79
Brown-headed Cowbird	8	2	34	18		53	95	53	176	120	144	43	73	67	74	39	999	0.22	1.02	0.69
Orchard Oriole	2		12	8		8	14	36	41	25	17	7	23	27	16	19	255	0.08	0.24	0.34
Baltimore Oriole	3		4	13		25	13	2	3	2			1		5		71	0.07	0.06	0.00
House Finch	73		37	42		74	97	66	149	43	25	69	15	7	49	15	761	0.54	0.67	0.27
Pine Siskin	1	9		4	23												37	0.13	0.00	0.00
American Goldfinch	114	37	98	118	15	124	272	138	399	148	199	114	228	97	34	1	2136	1.35	1.99	0.02
House Sparrow	6		15	46		17	24	60	71	25	38	19	15	11	62	20	429	0.24	0.39	0.35
total species	105	79	112	117	64	122	135	140	127	126	116	119	120	124	111	157	228			
total birds	2663	2737	3300	4462	1605	5454	8062	6634	9824	6487	6531	3407	5281	4979	3797	11223	86446			

