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### **THE WINTER BIRD COUNT FOR 2017-2018**

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Fifty-one Christmas Bird Counts (CBCs) were conducted this year; an increase of two from last year, and at the average of counts per year since 2000. The Kansas CBC period ran from 10 December 2017 through 7 January 2018. Temperature conditions varied from a frigid low of -9° F (-12.8°C, St. Marys) to 66° F (18.9°C, Kanopolis), with a modest average high of 43.9°F (6.6°C). Thirty-five (69%) of the counts recorded highs greater than 40°F (4.4°C), while only 9 (18%) counts had high temperatures below the freezing mark.

The 609 observers (average 11.9/count), is up from 560 last year (562 average since 2000). The 268 parties (average 5.3/count) is up from last year's 242 parties (average 4.9/count); with most physiographic provinces represented from within the state. As usual, Manhattan had the most participants with 53 (up from 45 last year) followed by Lawrence with 32 (26 last year). All other counts had fewer than 30 observers. Participants volunteered a total of 1,954.7 party-hours (average 38.3/count), up from last year's 1,621.5 party-hours (average 33.1/count). They compiled 13,627.5 party miles (average 267.2/count), an increase from last year's totals of 12,298.1 party-miles (average 251/count). Feeder watchers dropped from 66 last year to 52 this year, though they produced an additional 95 hrs (145.5 last yr) of observation. Both owling hours and miles were up from last year, 60.3 hrs (38.9 last year), and 550 miles (299 last year) respectively.

The 180 species recorded, averaging a respectable 79 per count, is second only to 2004 when 181 species were observed. It would have been a new record, if the two count week species, Surf Scoter and Long-billed Dowitcher were observed on the count day at Quivira National Wildlife Refuge (QNWR).

Slate Creek Wetlands (SCW) led with 106 species, followed by Lawrence with

103, the only counts reaching the century mark. Counts with at least 90 species included: QNWR and Parsons each with 99; Udall/Winfield (98); Wilson (96); Arkansas City (93); El Dorado, Linn, and Wichita each with 92; Melvern (91); and Cheyenne Bottoms, Emporia, and John Redmond each with 90. Three counts recorded below 60 species: Olsburg with 58; SE Kansas Mined Lands with 50; and the Tall-grass Prairie Preserve with 43.

The total number of individuals, 4,849,229 was greater than last year's 4,166,842. It is well below the average of 6,215,211 since 2000. Two counts recorded greater than a million birds this year comprising over 50% of the total number observed: Cheyenne Bottoms with 1,613,676 individuals (33.3% of total) and Udall/Winfield with 1,062,916 (22% of total). An additional six counts exceeded 100,000 individuals: SCW with 285,669; Wilson with 219,473; Halstead/Newton with 152,864; Linn with 122,882; Webster with 116,862; and Arkansas City with 105,841. The Tallgrass Prairie Nature Preserve had the fewest number of individuals with 2,815, followed by SE Kansas Mined Lands (3,883), Clark (3,708), Fort Riley (4,138), and Junction City (4,503).

Red-winged Blackbird was the most abundant species, as usual, with 2,409,956 (49.7% of this year's total), and slightly down from last year's total, of 2,432,977 individuals. Brown-headed Cowbird represented the species with the second highest numbers with 761,711 individuals (10,561 last year). Snow Goose was next highest numbers with 421,040 individuals (78% unidentified, 20% white form, and 2% blue form), followed by European Starling with 367,655 individuals; Mallard with 168,547 (up from 111,258 last year); Canada Goose with 139,688 (up from 127,318 last year); and blackbird species with 129,874 individuals (down from 353,435 last year).

This was the year for rare and unusual species, with a total of 47 species and two forms reporting less than 10 individuals. The highlight species includes the following: two White-tailed Kite (Fort Riley); Pygmy Nuthatch (Scott Lake); Cassin's Sparrow (Cimarron National Grasslands, CNG); Bohemian Waxwing (Syracuse); Blue-gray Gnatcatcher (Oskaloosa/Perry); two Woodhouse's Scrub Jay (CNG); Lesser Goldfinch (CNG); three American Bittern, two at SCW, and one at Lawrence; Lewis's Woodpecker (Garden City); two Evening Grosbeak (CNG); Rufous-crowned Sparrow (Red Hills); an Eared Grebe and Barrow's Goldeneye, both at Wilson Lake.

Numbers for species of conservation concern included: 63 Trumpeter Swans (down from 138 last year); 229 Greater Prairie-Chickens a nice increase from 110 last year (average 167/yr since 2000, 186/yr since 1995), and for the first time since 2011, Lesser Prairie-Chickens (33) were recorded (average 9/yr since 2000, 10/yr since 1995). The 96 Loggerhead Shrikes is an increase by one from last year, above the average of 74 since 2000, and the 82 average since 1995. The 19 Northern Shrikes is a slight increase from last year's 13, slightly above the average of 15 per year since 2000, 17 since 1995. Scaled Quail dropped for the third year in a row, going from 68 individuals, to 43, and only two this year, well below the average of 45 since 2000. The 878 Northern Bobwhite, though lower than the 968 individuals last year, is still

above the average of 809 since 2000, but below the 991 since 1995. Bald Eagle slightly decreased from the 795 reported last year to 746, still well above the average of 642 since 2000. Northern Harrier increased for the fourth year in a row to 1,362, which is above the 1,085 average since 2000. The Ferruginous Hawk increased from 27 last year to 45, but still below the average of 59 since 2000. Rough-legged Hawk numbers jumped considerably from 134 reported last year to 251. Golden Eagles increased to 13 (10 last year), on average since 2000, slightly above the average of 11 since 1995. The 1,202 Rusty Blackbirds is up from last year's 627, and was above the 1,000 average since 2000. The Brewer's Blackbird count of 31,930 is well above last year's total of 9,023, and above the average of 7,714 since 2000.

The Red-shouldered Hawk continues shattering new all-time high records each year with 170 observed this year, breaking last year's 129. Red-shouldered Hawks have averaged 48 individuals since 2000. Red-tailed Hawk (all forms) numbers increased for the fourth consecutive year to 4,619 (4,024 last yr, average 3,116 since 1995). Harlan's Hawk was up from last year's 70 to 117 this year. The 80 Merlin was above last year's 70. Prairie Falcons increased from last year's 70 to 92. Lawrence reported a Peregrine Falcon.

After breaking records the past few years, including the most common dove/pigeon observed during the CBC season, the Eurasian Collared-Dove had a sharp decline this year, by over 50%, from 15,426 last year to 7,388 individuals. Rock Pigeon also showed a decline from last year's 10,224 to 7,527 individuals. Considering the sharp decrease, this year's totals are still above the collared-dove average since the 1997-1998 CBC, 4,029 per/yr, and the average of 4,700 since 2000. Birds were reported throughout the state, and on all but three counts: Fort Riley (second year in a row); Olsburg; and SE Kansas Mined Lands. Twenty-two counts reported increases from last year, 11 of which were all-time highs, while 24 showed decreases. As expected, the same counts as in the past have the highest numbers, but the general pattern was a sharp decrease in numbers. As usual, Garden City had the highest totals for any individual count with 1,543 (7,785 last year), and slightly above the average of 1,403/yr since 2000. Other high counts included CNG with 1,231 (1,528 last year, 659 average since 2000); Syracuse with 1,165 (all-time high, but infrequently run count); Scott Lake with 907 (1,651 last year, average 696 since 2000); and Dodge City with 637 (2,252 last year, average 877 since 2009-2010 CBC). Eleven counts (up one from last year) reported White-winged Dove, with only 239 individuals, down from the all-time of 505 last year. They have averaged 123/yr since 2000. Garden City had a high of 129 (349 last year) individuals.

Nine dead Eurasian Collared-Dove's from Finney County in January 2016 were submitted to Kansas Department Wildlife, Parks, and Tourism (KDWPT) for analysis and determined to have Pigeon Paramyxovirus serotype 1 (PPMV-1), which has been reported in pigeon and dove populations within the U.S. where occasional outbreaks occur (Kurtis Meier, KDWPT, pers. comm.). This may explain the sudden drop in numbers of doves and pigeons this year.

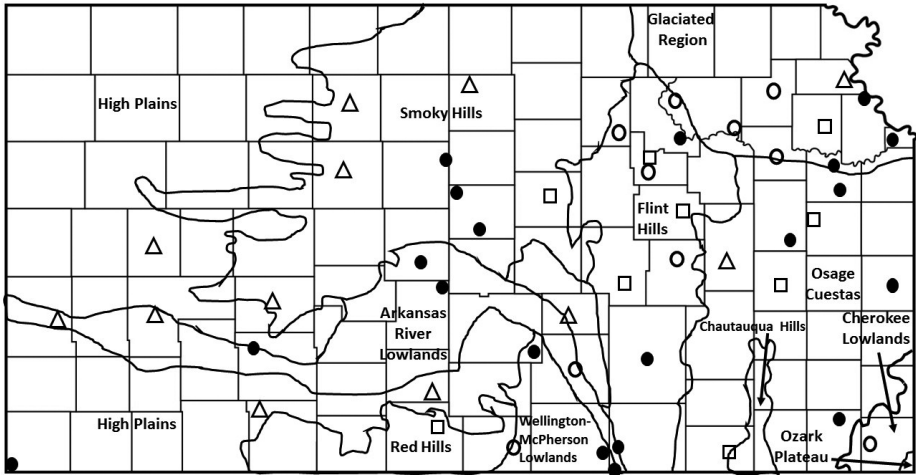
Red-headed Woodpeckers decreased from 430 individuals to 221 this year, below the average of 263 per/yr since 2000. The 121 Pileated Woodpeckers, is an all-time record, above last year's 111, well above the average of 65 since 2000, and 57 since 1995. The 1,274 Downy Woodpeckers is up from last year's 1,110 individuals and near the 1,267/yr average since 2000.

The 3,847 Eastern Bluebirds was a slight increase from last year's 3,464. Mountain Bluebirds increased from 687 to 751 individuals. The remaining thrushes showed declines: Townsend's Solitaire dropped from 37 to 31 this year; 75 Hermit Thrush (91 last year); and 40,090 American Robins (68,450 last year). A Gray Catbird was reported at Scott Lake; and five Brown Thrashers, one each at Emporia, Fort Riley and Wichita, and two at Topeka.

Harris's Sparrow showed an increase for the second consecutive year with 12,729 individuals, a modest gain from last year's 11,188 individuals. This is above the average of 10,572 since 2000, and above the 11,347 since 1995. Savannah Sparrows decreased from 867 last year to 404 this year (296 average since 2000).

The Northern Cardinal increased slightly from 4,460 individuals to 4,960, which is above the average of 4,751 since 2000. The American Goldfinch decreased from last year's 3,941 to 2,768, well below the average of 5,060 since 1995. Northern irruptive species were generally fewer this year: with 102 Red-breasted Nuthatches (172 last year); 70 Purple Finches (249 last year), well below the average of 143/yr since 2000; and 318 Red Crossbill (only five last year). No Common Redpolls were reported for the second consecutive year. Pine Siskins increased from last year's 22 to 357, well below the average of 518/yr since 2000. The House Finch numbers decreased from 2,328 individuals last year to 1,968, below the average of 2,886 since 2000.

We examined meadowlarks this year to ascertain their winter distribution. Twenty CBCs recorded both Eastern and Western meadowlarks (Figure 1). Interestingly, this was a pattern generally observed across the state, with the exception of the northwest Smoky Hill and High Plains geographic regions, which recorded mostly Western Meadowlarks. Northeastern Kansas CBCs tend to report Eastern Meadowlarks, but they also recorded more undifferentiated meadowlarks. Though CNG reported Eastern Meadowlark this year, this is only the second time they were reported, the last during 1998 (Thompson, M.C. and E.A. Young. 1999. The Winter Bird Count for 1998. Kansas Ornith. Soc. Bull. 50[1]:1-20). Generally, winter distribution, as expected, follows breeding distribution (Thompson, M.C., C.A. Ely, B. Gress, C. Otte, S.T. Patti, D. Seibel, and E.A. Young. 2011. Birds of Kansas. University Press of Kansas, Lawrence, Kansas.).



**Figure 1. Winter distribution of Eastern and Western Meadowlarks during the 2017-2018 Christmas Bird Count. Solid circles = both species recorded; open circles = only meadowlark species recorded; squares = only Eastern Meadowlark recorded; and triangles = only Western Meadowlark recorded.**

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 117th CBC, 30 Kansas counts were submitted to Audubon, which was 59% of the total counts conducted last year (Young, E.A., M.C. Thompson, C. Otte, B. Otto. 2017. The Winter Bird Count for 2016-2017. Kansas Ornith. Soc. Bull. 68[1]:1-28; and National Audubon Society. 2017. Count Circles, Codes, and Compilers in the 117th Christmas Bird Count. Web page: [https://www.audubon.org/sites/default/files/117-compilers\\_list\\_for\\_a\\_year\\_final\\_10\\_nov\\_17.pdf](https://www.audubon.org/sites/default/files/117-compilers_list_for_a_year_final_10_nov_17.pdf). Accessed 17 April 2018). High national counts from Kansas included: 400,000 Snow Goose at Waconda Lake; 4,780 Lapland Longspur at Hays; and 1,377 Harris's Sparrow at Udall/Winfield (Ortego, B. 2017. The 117th Christmas Bird Count U.S. High Counts. Web page: <https://www.audubon.org/news/117th-christmas-bird-count-us-high-counts>. Accessed 17 April 2018). Unfortunately, also listed was 695 Brown Thrashers from Sawyer, an obvious oversight, since only three were reported in Kansas last year, one each at Garden City, Sedan, and Wichita.

### COUNT DATA

**Anthony.** 37.152203° N -98.030160° W. Center as described in 2015. 22 December 2017; 8:00 a.m. to 5:15 p.m.; 22°F to 44°F. Wind N 0 to 15 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 76-95%. Eight observers in 4 parties. Total party-hours 31 (4 on foot, 27 by car), plus 1 hour owling. Total party-miles 253 (3.5 on foot, 249.5 by car), plus 1 mile owling. Total 75 species; 70,422 individuals.

Jeff Calhoun, Tom Ewert, Elsie Fisher, Kevin Groeneweg, Karl Herold, Mary Herold (compiler-herold4us@gmail.com), Dale Randall, Eddie Stegall.

**Arkansas City.** 37.038346° N -97.039315° W. Center as described in 1978. 23 December 2017; 7:30 a.m. to 5:30 p.m.; 18°F to 41°F. Wind N to E 0-10 mph. Still water open, moving open; cloud cover, a.m. 0-25%, p.m. 26-50%. Ten observers in 4 parties. Total party-hours 35 (7.5 on foot, 27.5 by car), plus 1 hour owling. Total party-miles 277.2 (7.1 on foot, 270.1 by car), plus 11 miles owling. Total 93 species; 105,841 individuals.

Duane Anderson, Henry Armknecht, Kevin Groeneweg, Patti Marlett, Dave Reed, Ben Sandstrom, Faith Shepley, Shawn Silliman, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

**Baldwin.** 38.782355° N -95.269002° W. Center as described in 1986. 17 December 2017; 7:30 a.m. to 5:15 p.m.; 41°F to 51°F, Wind W to SW 5-15mph. Still water open, moving water open; cloud cover, a.m. overcast, light rain, p.m. 76-95%. Ten observers in 6 parties, plus 1 at feeders. Total party-hours 43.25 (5.25 on foot, 38 by car), plus 1 hour at feeders, and 1.5 hours owling. Total party-miles 354.5 (3.5 on foot, 351 by car), plus 10 miles owling. Total 84 species; 12,143 individuals.

Jan Boyd, Roger Boyd (compiler-rboyd@bakeru.edu), Bill Busby, Cal Cink, Joe Hoelscher, Scott Kimball, Martha Long, Barbara Pressgrove, Martin Pressgrove, Gary Sanden, Claudia Vines.

**Benedictine Bottoms.** 39.609167° N -95.134161° W. Center as described in 2006. 30 December 2017; 7:30 a.m. to 3:00 p.m.; 10°F to 12°F. Wind N 5-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. 26-50%, p.m. overcast. Snow 0.5 inches. Four observers in 3 parties. Total party-hours 22 (1 on foot, 21 by car). Total party-miles 120.5 (0.5 on foot, 120 by car). Total 60 species; 22,231 individuals.

John Bollin (compiler-bolinj@umkc.edu), Galen Pittman, John Schukman, Gregory Stempien.

**Black Wolf.** 38.769021° N -98.362339° W. Center as described in 1993. 6 January 2018; 7:30 a.m. to 6:00 p.m.; 9°F to 39°F. Wind E to S 0-18 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 51-75%. Fifteen observers in 4 parties, plus 1 at feeders. Total party-hours 29 (6 on foot, 23 by car), plus 2 hours at feeders, and 1 hour owling. Total party-miles 322.5 (5.5 on foot, 317 by car), plus 2 miles owling. Total 68 species; 8,962 individuals.

Levi Beaver, Laura Beaver, Ken Brunson, Leeann Brunson, Janie Galliard, Bryon Grauerholz, Leon Hicks, David Klema, Caleb Kroker, Bob Kruger, Robert Penner, Ellen Rader, Jenn Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Roger Schultz, Carolyn Schwab.

**Bonner Springs/Lansing.** 39.179439° N -94.900504° W. Center as described in 1995. 17 December 2017; 7:15 a.m. to 5:30 p.m.; 45°F to 49°F. Wind S 0-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, light rain, p.m. 76-95%. Five observers in 5 parties. Total party-hours 28.25 (4.75 on foot, 23.5 by car), plus 0.5 hours owling. Total party-miles 214 (3 on foot, 211 by car), plus 10 miles owling. Total 76 species; 6,274 individuals.

John Bolin, Mark Corder, Galen Pittman (compiler-galenpitt@gmail.com), David Seibel, John Schukman.

**Cheyenne Bottoms.** 38.434582° N -98 682986° W. Center as described in 2014. 18 December 2017; 8:00 a.m. to 5:00 p.m.; 21°F to 57°F. Wind S to SW 0-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty-three observers in 6 parties. Total party-hours 32.25 (2 on foot, 31.25 by car), plus 0.5 hours owling. Total party-miles 358.5 (2.0 on foot, 356.5 by car), plus 0.5 miles owling. Total 90 species; 1,613,676 individuals.

Jean Aycock, Levi Beaver, Natalie Busby, Karole Erikson, Barry Jones, Ellen Jones, Pam Martin, Elsi Miller, Jenny Muller, Melissa Nech, Terry Nech, Linda Penner, Robert Penner, Jenn Rader, Mike Rader, Keith Reif, Dan Rogers, Gene Schneweis, Kim Schneweis, Kyle Schumacher, Susan Smith, Jason Wagner, Curtis Wolf (compiler-cjwolf@fhsu.edu).

**Cimarron National Grasslands.** 37.117119° N -101.896033° W. Center as described in 2015. 30 December 2017; 8:00 a.m. to 4:40 p.m.; 8°F to 17°F. Wind N to SE 10 to 21 mph. Still water partly open, moving water party open; cloud cover, a.m. overcast, light snow, p.m. overcast, light snow. Snow 0.25 inches. Twelve observers in 5 parties. Total party-hours 34.9 (9.5 on foot, 25.4 by car). Total party-miles 282.4 (9 by foot, 273.4 by car). Total 79 species; 17,954 individuals.

Danny Akers, Jeff Calhoun, Kathy Dunning, Ron Huebner, Jack Hurd, Tony Leukering, Larry Mays, Kurtis Meier, Scott Seltman, Max Thompson (compiler-maxt@cox.net), Jimmy Woodward, Eugene Young.

**Clark County.** 37.398144° N -99.913001° W. Center as described in 2010. 28 December 2017; 8:00 a.m. to 5:30 p.m.; 28°F to 45°F. Wind S 0 to 10 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 0-25%. Snow 0.5 inches. One observer in 1 party. Total party-hours 9.5 (1 on foot, 8.5 by car), plus 1 hour owling. Total party-miles 101 (1 on foot, 100 by car), plus 20 miles owling. Total 65 species; 3,708 individuals.

Galen Pittman (compiler-galenpitt@gmail.com).

**Council Grove.** 38.685573° N -96.506701° W. Center as described in 2010. 6 January 2017. 7:00 a.m. to 4:00 p.m.; 15°F to 33°F. Wind S 5-10 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 26-50%. Eleven observers in 3 parties, plus 2 at feeders. Total party-hours 25 (4 on foot, 21 by car), plus 2 hours at feeders, 1 hour owling. Total party-miles 237 (6 on foot, 231 by car), plus 12 miles owling. Total 77 species; 23,691 individuals.

Glenn Caspers, Jessica Hastings, Steve Howard, Steve Jennings, Jim Malcolm (compiler-iambirding@prodigy.net), Elmer Schroeder, Katherine Schroeder, Courtney Ross.

**Dodge City.** 37.777060° N -100.012287° W. Center as described in 1985. 31 December 2017; 8:00 a.m. to 5:30 p.m.; 3°F to 13°F. Wind E to NE 5-13 mph. Still water partly open, moving water frozen; cloud cover, a.m. 51-75%, p.m. 0-25%.

Seventeen observers in 5 parties, plus 1 at feeders. Total party-hours 37.25 (7.5 on foot, 29.75 by car), plus 2 hours at feeders, and 1.5 hours owling. Total party-miles 367 (7 on foot, 360 by car), plus 30 miles owling. Total 75 species, 73,369 individuals.

Woody Ahumada, Irma Ailon, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Tom Ewert, Colton Farra, Kevin Groeneweg, Pete Janzen, Johnny Juarez, Christi McMillen, Kurt Meier, Mike Ramsey, Pam Ramsey, Sara Shane, Tom Shane, Alicia Trejo, Mike Umscheid, Cassie Wells.

**El Dorado Lake.** 37.841944° N -98.818611° W. Center as described in 2003. 15 December 2017; 8:15 a.m. to 5:00 p.m.; 30°F to 51°F. Wind NW to WSW 2-25 mph. Still water open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 4 parties. Total party-hours 28.5 (7.75 on foot, 20.75 by car), plus 2 hours owling. Total party-miles 266.75 (10.25 on foot, 256.5 by car), plus 5 mile owling. Total 92 species, 10,103 individuals.

Jacob Christianson, Vickie Cikanek, Vickie Cooper, Tom Ewert, Charley Green, Kevin Groeneweg, Bob Hoopes, Patty Marlett, Atcha Nolan (compiler-qanolan@cox.net), Carolyn Schwab, Steve Taylor.

**Emporia.** 38.448579° N -96.079284° W. Center as described in 1985. 17 December 2017; 7:30 a.m. to 5:45 p.m.; 39°F to 57°F. Wind S 0-7 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 76-95%. Twelve observers in 5 parties, 1 at feeders. Total party-hours 36 (17.5 on foot, 18.5 by car), plus 8 hours at feeders, and 1.5 hours owling. Total party-miles 231 (8 on foot, 223 by car), plus 3 miles owling. Total 90 species; 27,348 individuals.

Henry Armknecht, Roger Ferguson, Sherry Ferguson, Bill Jensen (compiler-wjensen1@emporia.edu), Ben Kerbs, Marvin Kuehn, Kay McKnab, Paul McKnab, Alexis Powell, Molly Reichenborn, Mallory Reynolds, Caite Schoeck, Kyle Sharp.

**Fort Riley.** 39.16° N -96.775° W. Center as described in 2008. 15 December 2017; 7:00 a.m. to 3.00 p.m.; 28°F to 52°F. Wind S to SW 5-15 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 5 parties. Total party-hours 38 (15.5 on foot, 22.5 by car). Total party-miles 169 (12 on foot, 157 by car). Total 75 species; 4,138 individuals.

Tom Duckworth, Mike Houck (compiler-mike.p.houck.civ@mail.mil), Jeff Keating, Brian Monser, Gibran Suleiman, Steve Wahle.

**Garden City.** 37.916637° N -100.801463° W. Center as described in 2001. 10 December 2017; 7:45 a.m. to 5:30 p.m.; 25°F to 63°F. Wind N to NW 0-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Ten observers in 5 parties, plus 6 at feeders. Total party-hours 32 (4.75 on foot, 27.25 by car), plus 11 hours at feeders. Total party-miles 290.25 (5.25 on foot, 285 by car). Total 69 species; 76,424 individuals.

Henry Armknecht, Jeff Calhoun, Barbara Campbell, Bob Campbell, Carole Geier, Kurtis Meier, Art Nonhof, Kurt Osterbuhr, Ron Osterbuhr, Mike Ramsey (compiler-ramsey.hmbcr@sbcglobal.net), Pamela Ramsey, Sara Shane, Tom Shane.



**Halstead/Newton.** 38.043040° N -97.472938° W. Center as described in 1970. 14 December 2017; 7:00 a.m. to 5:00 p.m.; 26°F to 60°F. Wind S to SSW 15-28 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 4 parties. Total party-hours 35.5 (15.5 on foot, 20 by car). Total party-miles 279.1 (12.1 on foot, 267 by car). Total 65 species; 152,864 individuals.

Fred Bartel, Bob Dester, Gregg Friesen, Brad Guhr, Lorna Harder (compiler-lornajhh@gmail.com), Harvey Hiebert, Steven Johnson, Eric Massanari, Dwight Platt, Carolyn Schwab, Bob Simmons, Rod Wedel.

**Hays.** 38.834547° N -99.401859° W. Center as described in 1987. 16 December 2017; 8:00 a.m. to 4:00 p.m.; 26°F to 50°F. Wind W to S 5-10 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Ten observers in 6 parties. Total party-hours 25 (8.25 on foot, 16.75 by car), plus 2.5 hours owling. Total party-miles 276.75 (8.75 on foot, 268 by car), plus 48 miles owling. Total 65 species; 7,935 individuals.

Medhavi Ambardar, Andree Brisson, Greg Farley (compiler-gfarley@fhsu.edu), Yass Kobayashi, David Levering, Jenn Rader, Mike Rader, Kyle Schumacher, Jim Strine, Nick Varvel.

**Holton.** 39.463006° N -95.725506° W. Center as described in 2011. 30 December 2017; 8:00 a.m. to 4:00 p.m.; 5°F to 9°F. Wind, N to S 5 to 10 mph. Still water partly open, moving water frozen; cloud cover, a.m. 76-95%, p.m. overcast. Twelve observers in 4 parties. Total party-hours 20.6 (0.6 on foot, 20 by car). Total party-miles 165.1 (0.1 on foot, 165 by car). Total 62 species; 9,939 individuals.

Judy Billings, Doris Burnett, Randy Carman, Denise Eulert, Joanna Laucousiere, Terry Mannell, Debbie McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Chad Phillips, Tara Porter, Janeen Walters.

**Jetmore.** 38.022688° N -99.885631° W. Center as described in 1999. 6 January 2018; 7:00 a.m. to 5:30 p.m.; 8°F to 48°F. Wind S to SW 5-15 mph. Still water partly open, moving water frozen; cloud cover, a.m. 0-25%, p.m. 76-95%. Five observers in 3 parties. Total party-hours 33.5 (5 on foot, 28.5 by car). Total-party miles 255.5 (4.5 on foot, 251 by car). Total 75 species; 40,832 individuals.

Doris Burnett, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Barry Jones, Kurt Meier, Scott Seltman.

**John Redmond Reservoir.** 38.274807° N -95.820825° W. Center as described in 1993. 16 December 2017; 7:30 a.m. to 4:00 p.m.; 30°F to 50°F. Wind S to SE 5-20 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Thirteen observers in 7 parties, plus one at feeders. Total party-hours 40.5 (11.5 on foot, 29 by car), plus 1 hour at feeders, and 1.5 hours owling. Total party-miles 307.5 (8.5 on foot, 299 by car), plus 6 miles owling. Total 90 species; 43,527 individuals.

Henry Armknecht, Tom Cannon, Julie Carey, Bob Culbertson (compiler-rculbertson@kaws.org), Carol Culbertson, Vic Elam, Wes Fleming, Jenny Gearheart, Matt Gearheart, Eugene Goff, Lou Menard, Tim Menard, Dan Williamson.

**Junction City.** 39.000566° N -96.880836° W. Center as described in 1992. 26 December 2017; 7:45 a.m. to 4:30 p.m.; 4°F to 12°F. Wind N 4-16 mph. Still water partly open, moving partly open; cloud cover, a.m. overcast, light snow, p.m. 76-95%. Snow 2 inches. Three observers in 2 parties, plus 1 at feeders. Total party-hours 13 (2.75 hours on foot, 10.25 hours by car), plus 1 hour at feeders, and 1 hour owling. Total party-miles 142.1 (4 miles on foot, 138.1 by car), plus 12 miles owling. Total 62 species; 4,503 individuals.

Jeff Keating, Robert Kruger, Chuck Otte (compiler-otte2@cox.net).

**Kanopolis Reservoir.** 38.609862° N -97.852696° W. Center as described in 1983. 11 December 2017; 8:00 a.m. to 4:30 p.m.; 37°F to 66°F. Wind N to NW 10-20 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Nine observers in 5 parties. Total party-hours 31.75 (13.75 on foot, 18 by car). Total party-miles 224.5 (11.5 on foot, 213 by car). Total 82 species; 10,086 individuals.

Kevin Groeneweg, Bob Hoopes, Dave Klema, Robert Kruger (compiler-robertkru@gmail.com), Ellen Rader, Mike Rader, Roger Schultz, Carolyn Schwab, Scott Seltman.

**Lawrence.** 38.99333° N -95.31111° W. Center as described in 1981. 16 December 2017; 7:30 a.m. to 5:30 p.m.; 35°F to 62°F. Wind SE 0-15 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Thirty-two observers in 12 parties, plus 4 at feeders. Total party-hours 105 (37.5 on foot, 59 by car, 8.5 by ATV), plus 10 hours at feeders, and 13.5 hours owling. Total party-miles 483.5 (40.5 on foot, 418 by car, 25 by ATV), plus 51 miles owling. Total 103 species; 46,127 individuals.

Bob Antonio, Jill Barringer, Kelly Barth, Roger Boyd, Bill Busby, Pam Chaffee, Cal Cink, Wayne Dahl, Lisa Grossman, Peter Grund, Bob Hagen, Bill Hays, Susan Iverson, Eric Kilburg, Matt Longbough, Mick McHugh, Anna Otto, Duane Otto, Margarita Otto, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Nick Pumphery, Christopher Rogers, Stan Roth, Bob Rucker, Dawn Sharp, Kylee Sharp, Pat Wakeman, Phil Wedge, Joyce Wolf, Ron Wolf, Molly Zahn. The 2017 Lawrence CBC is dedicated to the memory of Cynthia and Ed Shaw.

**Leavenworth-Atchison.** 39.389810° N -95.011063° W. Center as described in 1992. 23 December 2017; 7:30 a.m. to 5:00 p.m.; 20°F to 27°F. Wind N to NE 0-11 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Seven observers in 5 parties plus 1 at feeders. Total party-hours 38.5 (8 on foot, 30.5 by car), plus 2 hours at feeders, and 1 hour owling. Total party-miles 238 (7 on foot, 231 by car), plus 3 miles owling. Total 77 species; 38,323 individuals.

John Bollin III, David Bryan, Linda Bryan, Kathy Carroll, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com), Dave Williams.

**Linn County.** 38.28691° N -94.75225° W. Center as described in 2016. 21 December 2017; 7:15 a.m. to 5:10 p.m.; 50°F to 60°F. Wind SE to S 5-10 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 76-95%. Ten observers in 6 parties. Total party-hours 49.25 (9 on foot, 40.25 by car), plus 0.25

hour owling. Total party-miles 330.75 (2.75 on foot, 328 by car), plus 1 mile owling. Total species 92; 122,882 individuals.

Henry Armknecht, Jan Boyd, Roger Boyd (compiler-rboyd@bakeru.edu), Joe Hoelscher, Scott Kimball, Mick McHugh, Janet Reynolds, Rose Reynolds,, Ruth Reynolds, John Zempel, Linda Zempel.

**Manhattan.** 39.188659° N -96.580997° W. Center as described in 1993. 16 December 2017; 7:10 a.m. to 5:15 p.m.; 31°F to 64°F. Wind SW to S 6 to 20 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Fifty-three observers in 25 parties, plus 6 at feeders. Total party-hours 123.7 (47.9 on foot, 75.8 by car), plus 10.65 hours at feeders, and 3 hours owling. Total party-miles 563.45 (51.05 on foot, 512.4 by car), plus 21.5 miles owling. Total 88 species; 39,133 individuals.

Susan Adamchak, Liam Berigan, Susan Blackford, Alice Boyle, Doris Burnett, Chuck Bussing, Ted Cable, Greg Clark, Elizabeth Dodd, Michael Donnelly, Taylor Drummond, Kevin Fay, Clyde Ferguson, Ann Feyerharm, Gary Haden, Joe Hawes, Chod Hedinger, Angela Hubler, Cindy Jeffrey, Julia Jilck, Lowell Johnson, Jim Koelliker, Marilyn Koelliker, Andres Leon, Brandon Magette, Debbie Marshall, Mark Mayfield (compiler -- markherb@ksu.edu), Barry Michie, Bob Mohr, Joe Mosier, Jerry Mosier, Marge Muenzenberger, Amber Myers, Barb Newhouse, Kathleen Oldfather, Ed Pembleton, Sil Pembleton, David Rintoul, Austin Roe, John Row, Sam Schermerhorn, Tom Schermerhorn, Jim Shroyer, Pat Silovsky, Caroline Skidmore, Dylan Smith, Gayla Snyder, Gerry Snyder, Nikki Strobe, Vernon Tabor, Elizabeth Vanderlip, Bram Verheijen, Mary Kate Wilcox, Sarah Winnicki, Patricia Yeager.

**Marion.** 38.377227° N -97.074830° W. Center as described in 1993. 6 January 2018; 8:00 a.m. to 5:00 p.m. 12°F to 37°F. Wind S to SE 2-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Fifteen observers in 4 parties, plus 1 at feeders. Total party-hours 33 (9 on foot, 24 by car), plus 2 hours at feeders. Total party-miles 284.5 (9 on foot, 275.5 by car). Total 74 species; 35,235 individuals.

Henry Armknecht, Benjamin Becker, Kent Becker, Todd Becker, Jeremy Birket, Tom Ewert (compiler-trewert@yahoo.com), Kevin Groeneweg, Bob Hoopes, Clyde Jost, John Mallory, Patty Marlett, Cheryl Miller, Atcha Nolan, Nick Varvel, Rod Wedel, Gerald Wiens.

**Melvern Reservoir.** 38.497600° N -95.790205° W. Center as described in 2013. 16 December 2017; 7:45 a.m. to 3:00 p.m.; 36°F to 58°F. Wind S 5-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Seven observers in 3 parties, plus 2 at feeders. Total party-hours 22 (3 on foot, 19 by car), plus 1 hour at feeders, and 1 hour owling. Total party-miles 251 (6 on foot, 245 by car), plus 15 miles owling. Total 91 species; 33,300 individuals.

Jennifer Alridge, Steve Howard, Steve Jennings, Jim Malcom (compiler-iambirding@prodigy.net), Elmer Schroeder, Katherine Schroeder, Mike Thomas.

**Olsburg.** 39.428262° N -96.64407° W. Center as described in 1991. 15 December 2017; 7:30 a.m. to 5:10 p.m.; 30°F to 48°F. Wind SW to NE 2-5 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Five observers in 2 parties, plus 2 at feeders. Total party-hours 17.2 (2.2 on foot, 15 by car), plus 6 hours at feeders. Total party-miles 163.1 (1.1 on foot, 162 by car). Total 58 species; 13,682 individuals.

Susan Adamchak, Bill Edwards, Ruth Hooper, Cindy Jeffrey (compiler-cinraney@ksu.edu), Gary Jeffrey, Jay Jeffrey, Patricia Yeager.

**Oskaloosa/Perry Lake.** 39.201493° N -95.403925° W. Center as described in 1980. 17 December 2017; 7:00 a.m. to 5:00 p.m.; 41°F to 51°F. Wind S 0-6 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Eighteen observers in 8 parties. Total party hours 54.75 (6.5 on foot, 48.25 by car), plus 2.25 hours owling. Total party-miles 320.5 (5.5 by foot, 315 by car), plus 14.5 miles owling. Total 87 species; 24,949 individuals.

Bob Antonio, Judy Billings, Pam Chaffee, Dena Friesen, Susan Iversen, Jennifer Jones, Mike Laird, Kathy McDowell, Debby McKee, Sue Newland, Marie Plinsky, Bob Rucker, Roseanne Smith, Janeen Walters, Bunnie Watkins (compiler-ranger\_rabbit@sbcglobal.net), Joyce Wolf, Maggie Wolf, Ron Wolf, Eric Youngquist.

**Parsons.** 37.478425° N -95.260380° W. Center as described in 1996. 22 December 2017; 7:00 a.m. to 5:30 p.m.; 30°F to 33°F. Wind NW 9-11 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast. Ten observers in 6 parties, plus 4 at feeders. Total party-hours 51 (9 on foot, 42 by car), plus 12 hours at feeders, and 2 hours owling. Total party-miles 263.5 (8.5 on foot, 255 by car), plus 15 miles owling. Total 99 species; 65,840 individuals.

Henry Armknecht, Andrew Burnett (compiler-aburnett9180@gmail.com), Meleia Burnett, James Caldwell, Kathy Carroll, Jeff Cox, Royce Ghurr, Lucille Janssen, Ed Miller, Atcha Nolan, Carolyn Schwab, Carrie Tierney, Jarret Thurman.

**Pomona Lake.** 38.675901° N -95.683304° W. Center as described in 1993. 17 December 2017; 7:30 a.m. to 3:45 p.m.; 35°F to 44°F. Wind S 5-15 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 76-95%. Eight observers in 3 parties. Total party-hours 24 (2 on foot, 22 by car), plus 1 hour owling. Total party-miles 290 (3 on foot, 287 by car), plus 8 miles owling. Total species 89; 15,017 individuals.

Jessica Hastings, Steve Howard, Steve Jennings, Jim Malcom (compiler-iambirding@prodigy.net), Jennifer Malcom, Jordan Malcom, Elmer Schroeder, Katherine Schroeder, Mike Thomas.

**Quivira National Wildlife Refuge.** 38.145925° N -98.491804° W. Center as described in 1972. 14 December 2017; 7:30 a.m. to 5:30 p.m.; 29°F to 48°F. Wind N to NW 5-28 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 76-95%, light rain. Twenty-two observers in 7 parties. Total party-hours 48 (11.5 on foot, 36.5 by car), plus 1.5 hours owling. Total party-miles 395.5 (7.5 on foot, 388 by car), plus 33 miles owling. Total 99 species; 55,530 individuals.

Levi Beaver, Tom Ewert, Bob Gress, Kevin Groeneweg, Barry Jones, Dan Kilby, Patty Marlett, Jay Newton, Gary Northwall, Alicia Oberg, Robert Penner, Mike Rader (compiler-mike\_rader@hotmail.com), Dave Rintoul, Rachel Roth, Carolyn Schwab, Scott Seltman, Cassie Standley, Max Thompson, Curt Van Boening, Todd Volkmann, Deb Williams, Curtis Wolf.

**Red Hills.** 37.234191° N -98.686843° W Center as described in 1994. 30 December 2017; 7:30 a.m. to 5:30 p.m.; 11°F to 23°F. Wind E to NE 5-15 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, p.m. overcast. Ten observers in 4 parties. Total party-hours 36.5 (8.5 on foot, 28 by car), plus 1.5 hours owling. Total party-miles 253 (5 miles on foot, 248 by car), plus 9 miles owling. Total 87 species; 11,920 individuals.

Kevin Groeneweg, Pete Janzen (compiler-pete.janzen@sbcglobal.net), Bill Jensen, Patty Marlett, Zach Poland, Jane Queal, Stan Roth, Lauren Sill, John Zempel, Linda Zempel.

**St. Marys.** 39.1941° N -96.071091° W. **NEW COUNT.** Center described as intersection of K-63 and US-24 highways in St. Marys. 1 January 2018; 7:00 a.m. to 5:00 p.m.; -9°F to 13°F. Wind NE 5-9 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty observers in 11 parties, plus 3 at feeders. Total party-hours 51.5 (3.25 by foot, 48.25 by car), plus 4.5 hours at feeders, and 1 hour owling. Total party-miles 343.5 (2.75 on foot, 340.75 by car), plus 10 miles owling. Total 78 species; 57,879 individuals.

Dallas Alexander, Judy Billings, Dan Broers, Coleen Brown, Danielle Brunin, Doris Burnett, Sam Elsey, Jeff Hansen (compiler-jeff.hansen.sd@gmail.com), Doug Helmke, Yvonne Ivonov, Brandon Magette, Debra McKee, Chad Phillips, Annamaria Reiser, Kenneth Reiser, Tom Schermerhorn, Carla Trecek, Janeen Walters.

**Salina.** 38.841702° N -97.630868° W. Center as described in 1983. 16 December 2017; 8:00 a.m. to 5:00 p.m.; 35°F to 60°F. Wind N to S 5-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Nineteen observers in 4 parties. Total party-hours 32 (10 on foot, 22 by car). Total party-miles 310.5 (8.5 on foot, 302 by car). Total 78 species; 13,908 individuals.

Aaron Anders, Dan Baffa (compiler-danbaffa1@yahoo.com), Nicole Beck, Byron Graureholz, Dave Haight, Kevin Haight, Neva Heikes, Melinda Jett, Tom Jett, Dave Klema, Jean Kozobowski, Kaleb Kroeker, Mary Miles, Bonnie Neubrand, Mark Neubrand, Doug Rudick, Roger Schultz, Brian Underwood, Ted Zerger.

**Sawyer.** 37.529075° N -98.702457° W. Center as described in 1990. 20 December 2017; 7:45 a.m. to 4:00 p.m.; 38°F to 48°F. Wind N to S 1-11 mph. Still water open, moving water open; cloud cover, a.m. overcast, foggy, p.m. overcast. Sixteen observers in 5 parties, plus 1 at feeders. Total party-hours 17.5 (5.5 on foot, 12 by car), plus 1.5 hours at feeders, and 0.25 hours owling. Total party-miles 140.5 (3.5 on foot, 137 by car), plus 1 mile owling. Total 78 species; 13,561 individuals.

Aaron Austin, Kevin Becker, Ken Brunson, LeeAnne Brunson, Jeff Conley, Zack Cordes, Zac Eddy, Emma Goemann, Mike Hassler, Chelsea Hofmeier, Jordan

Hofmeier (compiler-jordan.hofmeier@ks.gov), Jessica Mounts, Sam Pounds, Jane Queal, Mike Rader, Ryan Waters.

**Scott Lake.** 38.583882° N -100.907423°W. Center as described in 1987. 17 December 2017; 7:30 a.m. to 5:00 p.m.; 31°F to 44°F. Wind N 3-8 mph. Still water open, moving water open; cloudy cover, a.m. overcast, p.m. 51-75%. Twelve observers in 5 parties. Total party-hours 41 (14.5 on foot, 26.5 by car), plus 1.5 hours owling. Total party-miles 249.5 (9.5 on foot, 240 by car), 1 mile owling. Total 75 species; 34,829 individuals.

Coleen Brown, Jeff Calhoun, Yvonne Ivanov, Kurt Meier, Lynette Muller, Art Nonhof, Marie Osterbuhr, Mike Ramsey, Pamela Ramsey, Sara Shane, Tom Shane (compiler-tom.shane@sbcglobal.net), Carla Trecek.

**Sedan.** 37.145072° N -96.163494° W. Center as described in 2016. 19 December 2017; 8:00 a.m. to 5:00 p.m.; 51°F to 59°F. Wind SW to S 5-7 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast. Eleven observers in 4 parties, plus 1 at feeders. Total party-hours 33.25 (8 on foot, 25.25 by car), plus 0.25 hours at feeders, and 1.75 hours owling. Total party miles 278 (5 on foot, 273 by car), plus 5 miles owling. Total 82 species; 5,428.

Andrew Burnett, Jason Christianson, Vickie Cikanek, Jane Doris, Tom Ewert, Kevin Groeneweg, Rose Hutton, Sue Kill, Paul King, Patty Marlett, Atcha Nolan (compiler-qanolan@cox.net), Carolyn Schwab.

**Slate Creek Wetlands/Oxford.** 37.232244° N -97.249507° W. Center as described 2014. 20 December 2017; 8:00 a.m. to 5:30 p.m.; 46°F to 53°F. Wind ESE 0-13 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast, light rain. Seven observers in 4 parties. Total party-hours 34 (6.5 on foot, 27.5 by car), plus 2 hours owling. Total party-miles 253 (6 on foot, 247 by car), plus 29 miles owling. Total 106 species; 285,669 individuals.

Kevin Groeneweg, Patty Marlett, Dale Randall, Travis Ross, Eddie Stegall, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

**Southeast KS Mined Land.** 37.230288° N -94.968988° W. Center as described in 1992. 29 December 2017; 8:00 a.m. to 2:00 p.m.; 22°F to 36°F. Wind N 0-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, p.m. overcast. Seven observers in 3 parties. Total party-hours 15.25 (15.25 by car). Total party-miles 119 (119 by car). Total 50 species; 3,883 individuals.

Mike Bollan, Cindy Ford, Steven Ford (compiler-sford@gus.pittstate.edu), Delia Lister, Elizabeth Mangile, Robert Mangile, Richard Tucker.

**Syracuse.** 37.995091° N -101.881766° W. Center as described in 1994. 2 January 2018; 7:30 a.m. to 4:30 p.m.; 1°F to 36°F. Wind NW to W 0-10 mph. Still water partly open, moving water frozen; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties. Total party-hours 20.5 (4 on foot, 16.5 by car). Total party-miles 228.5 (2.5 on foot, 226 by car). Total 68 species; 44,647 individuals.

Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Kevin Groeneweg, Kurt Meier, Scott Seltman, Sara Shane, Tom Shane.

**Tallgrass Prairie National Preserve.** 38.434226° N -96.559501° W. Center as described in 2010. 4 January 2018; 9:00 a.m. to 4:30 p.m.; 10°F to 36°F. Wind SE to SW 5-10 mph. Still water partly open, moving water party open; cloud cover, a.m. 0-25%, p.m. 0-25%. Five observers in 2 parties. Total party-hours 11.5 (2 on foot, 9.5 by car). Total party-miles 71.75 (0.75 on foot, 71 by car). Total 43 species; 2,815 individuals.

Kristen Hase (compiler-kristen\_hase@nps.gov), Michele Kessler, Greg Kramos, Darin McCullough, Brian Obermeyer, Chris Thornton.

**Topeka.** 39.048198° N -95.678162° W. Center as described in 1972. 16 December 2017; 7:30 a.m. to 5:30 p.m.; 36°F to 62°F. Wind W to E 5-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty-four observers in 8 parties, plus 5 at feeders. Total party-hours 51.8 (20 on foot, 31.8 by car), plus 4 hours at feeders. Total party-miles 305.5 (16.5 on foot, 289 by car). Total 73 species; 12,801 individuals.

Judy Billings, Diana Busey, Deb Butz, Randy Carman, Lynnea Edgecombe, Rochelle Edgecombe, Dan Gish, Kelly Haller, Jeff Hansen, Mary Holloway, Jennifer Jones, Joanna Laucousiere, Dan Larson, Jim Malcom, Sam Mannell, Terry Mannell, Robert McElroy, Debra McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Tara Porter, Kim Sain, Barbara Smith, Susan Smith, Vivien Smith, Janeen Walters, Melody Weller, Todd Weller, John Zempel, Linda Zempel.

**Udall/Winfield.** 37.264828° N -96.973753° W. Center as described in 1972. 17 December 2017; 8:00 a.m. to 5:00 p.m.; 44°F to 47°F. Wind S to SW 7-8 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast. Nine observers in 5 parties, plus 1 at feeders. Total party-hours 42.45 (3.2 on foot, 39.25 by car), plus 2 hours at feeders, and 3 hours owling. Total party-miles 376.6 (4 on foot, 372.6 by car), plus 51.5 miles owling. Total 98 species; 1,062,916 individuals.

Betty Anderson, Chad Anderson, Duane Anderson, Terry Barnett, Jane Doris, Kevin Groeneweg, Sue Kill, Max Thompson (compiler-maxt@cox.net), Eugene Young.

**Waconda Lake.** 39.466249° N -98.358460° W. Center as described in 1992. 27 December 2017; 8:15 a.m. to 5:45 p.m.; 3°F to 11°F. Wind SE to ESE 10-18 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast. Snow 1 inch. Six observers in 4 parties. Total party-hours 32 (11.5 on foot, 20.5 by car), plus 0.5 hours owling. Total party-miles 331.6 (1.5 on foot, 330.1 by car), plus 5 miles owling. Total 83 species; 56,555 individuals.

Henry Armknecht (compiler-armknecht@ruraltel.net), Jared Engelbert, Kevin Groeneweg, Joe Hoelscher, Carolyn Schwab, Scott Seltman.

**Wakefield.** 39.22015° N -96.966367° W. Center as described in 1993. 17 December 2017; 7:30 a.m. to 4:00 p.m.; 41°F to 57°F. Wind E to SE 0-12 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 4 parties. Total party-hours 25 (4.5 on foot, 20.5 by car), plus 2 hours owling. Total party-miles 171.8 (4.7 on foot, 167.1 by car), plus 20 miles owling. Total 81 species; 9,484 individuals.

Marcia Abbick, Doris Burnett, Chod Hedinger, Jeff Keating, Bob Kruger, Chuck Otte (compiler-otte2@cox.net).

**Webster Reservoir.** 39.423129° N -99.407639° W. Center as described in 1992. 4 January 2017; 7:30 a.m. to 5:00 p.m.; 14°F to 48°F. Wind W 5-15 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Three observers in 3 parties. Total party-hours 27 (8 on foot, 19 by car). Total party-miles 213 (1 on foot, 212 by car). Total 73 species; 116,862 individuals.

Mike Rader (compiler-mike\_rader@hotmail.com), Scott Seltman, Michael Zajic.

**Wichita.** 37.691340° N -97.349680° W. Center as described in 1955. 16 December 2017; 7:30 a.m. to 5:00 p.m.; 34°F to 61°F. Wind S 13-22 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eighteen observers in 8 parties, plus 5 at feeders. Total party-hours 59.75 (31.75 on foot, 28 by car), plus 10.5 hours at feeders, and 1.75 hours owling. Total party-miles 378 (35 on foot, 343 by car), plus 21 miles owling. Total 92 species; 29,955 individuals.

Pat Beckemeyer, Roy Beckemeyer, Jeremy Birket, Tom Ewert, Harry Gregory, Sharon Gregory, Bob Gress, Paul Griffin, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Laura Groeneweg, Katie Haury, Steve Hoffine, Pete Janzen, Douglas Lamoureux, Patty Marlett, Cheryl Miller, Ernie Misk, Gary Northwall, Dale Randall, Dale Roark, Rachel Roth, Eddie Stegall.

**Wilson Lake.** 38.944288° N -98.571752° W. Center as described in 1994. 17 December 2017; 7:30 a.m. to 5:30 p.m.; 24°F to 48°F. Wind N 5-15 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 8 parties. Total party-hours 36 (15 on foot, 21 by car). Total party-miles 281 (8 on foot, 273 by car). Total 96 species; 219,473 individuals.

Dan Baffa, David Klema, Joe Lambert, Robert Penner, Ellen Rader, Jennifer Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Doug Rudick, Roger Schultz, Carolyn Schwab, Scott Seltman.

**Yoder.** 37.897589° N -97.866716° W. Center as described in 2000. 15 December 2017; 8:00 a.m. to 1:30 p.m.; 21°F to 44°F. Wind S to SW 10-15 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 76-95%. Sixteen observers in 6 parties. Total party-hours 23 (4.5 on foot, 18.5 by car), plus 0.25 hours at feeders, and 0.5 hours owling. Total party-miles 230 (5 on foot, 225 by car), plus 7 miles owling. Total 64 species; 30,566 individuals.

Levi Beaver, Sarah Blake, Stephanie Carlson, Mary Clark (compiler-LOOKlinker@gmail.com), Kris Davis, Benjamin Garrett, Steven Kinser, Anthony Miller, Dwight Miller, Jay Miller, Joseph Miller, Michael Miller, Verna Miller, Sarah Parsons, Mark Rogers, Jim Smith.



Table 3. 2017-2018 KOS CBC

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Snow Goose (unidentified)	964	CW	7	15500	CW	CW	500	2	20		41927		17512	300
Snow Goose (white form)							60000	9		5		1		
Snow Goose (blue form)							6500	1						
Ross's Goose	10		2	6		1	16000	3	1		34		31	
Greater White-fronted Goose	825	62	17	2	CW	3500	1	7			270	250	4	
Cackling Goose	1177	2744	9	10	32	11	1444	1000	50	489	222	109	34	20
Canada Goose	8510	4732	1386	1320	2000	2280	480	250	350	8900	757	1462	2761	499
Trumpeter Swan			7											
Tundra Swan														
Wood Duck	3	3						1	4		2	2		4
Blue-winged Teal							2							
Northern Shoveler	177	5		8		2	1246					5	30	
Gadwall	17	52	221	10		21	560		14	15		44	8	20
American Wigeon	4	3	2	2		2	27	1	30		60	2	10	CW
Mallard	61	3636	332	1548	51	193	10264	9	18		280	718	437	39
American Black Duck														
Northern Pintail	24	CW				3	516				5	2		
Green-winged Teal	8	2	2			1	1043		12	25	40	43	10	
Canvasback		8		1		8							26	
Redhead		3	34	2		2	4	4		2		5		24
Ring-necked Duck	2	39	15	3	1	13			1		1	15	35	9
Greater Scaup														
Lesser Scaup		10	20			4	4			5	CW	1	11	
Surf Scoter														
White-winged Scoter														
Long-tailed Duck														
Bufflehead		1	6			CW	19			3		8	1	2
Common Goldeneye	1	4	33	10	CW	39	1		1	12		605	17	6
Barrow's Goldeneye														
Hooded Merganser		18	32			1	1		1	23		12	9	2
Common Merganser				2		5	30	2	1	8	1	4		
Red-breasted Merganser														
Ruddy Duck							5		1			5		
duck species							14							
Northern Bobwhite		10					CW	23	8	24	28	32	32	16
Scaled Quail														
Ring-necked Pheasant	5	1				8	5	8	4		31			1
Greater Prairie-Chicken						17	CW			2		CW	5	26
Lesser Prairie-Chicken														
Wild Turkey	32		99	1	210	41	261		CW	25		CW	132	66
Pied-billed Grebe		10	5			10	6		7	1		2	8	4
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon	38	50	54	73	150	113	39	109	20	122	1244	82	675	60
Eurasian Collared-Dove	48	29	17	2	110	3	53	1231	125	15	637	4	124	
White-winged Dove	CW				1		CW	73			3			
Mourning Dove	71	71	237	11	11	154	5	289	1	221	205	13	133	82
Greater Roadrunner									CW					
Virginia Rail								2						
Sora														
American Coot		2	1				277		8		1	6		
Sandhill Crane	390													
Killdeer	2	2					2					5	2	6
Dunlin														
Least Sandpiper	4	9												
Long-billed Dowitcher														
American Woodcock														
Wilson's Snipe	1						6	1						
Lesser Yellowlegs														
Greater Yellowlegs														
Bonaparte's Gull														
Ring-billed Gull	9	23	15		1	1	441			5		742	70	9
Herring Gull							53					4		
Lesser Black-backed Gull														
gull species							12							
Common Loon														
Double-crested Cormorant		5	32				4					30	1	
American White Pelican		8					45					8		
American Bittern														
Great Blue Heron	11	10	4		2	1	47	1	7	2		12	9	9
Black-crowned Night-Heron							1							
Turkey Vulture														
White-tailed Kite														2
Bald Eagle (Adults)	1	13	4	29	2	2	6	3	1	23	1	1	2	13
Bald Eagle (Immaturess)		5		32		1	3			12		5	2	2
Northern Harrier	30	19	25	1	44	5	74	66	10	37	43	38	30	53
Sharp-shinned Hawk	3	3	3	1	2	4	3	3		2	8	5	1	4
Cooper's Hawk	1	2	3	1	3	1	6	2		1	5	2	3	1
Accipiter species							1					1		
Red-shouldered Hawk		12	13				1			9		5	7	2
Red-tailed Hawk	109	119	172	43	117	54	114	25	9	198	71	127	84	84
Harlan's Hawk	3	6	2	3	3	1	2			1	2	8	5	6
Rough-legged Hawk		1		1	8		14	25	6	8	18	1	5	13
Ferruginous Hawk	1						2	9			3			
Buteo species											6			
Golden Eagle								1	1		2			
Barn Owl					CW		3	1			4			
Eastern Screech-Owl	1	4	1		2						3		1	
Great Horned Owl	1	2	8		6	2	3	11		2	19	1	10	2
Snowy Owl							1							1
Barred Owl	1	13	8		2	5				1		3	11	4
Long-eared Owl					CW								2	
Short-eared Owl			3		5	5	CW			1		4	2	1
Belted Kingfisher		2	2		3	1	3		2	1		9	5	10
Lewis's Woodpecker														
Red-headed Woodpecker		2					1		3	3			2	2
Red-bellied Woodpecker	14	88	83	22	32	26	12		3	51	1	26	52	30
Yellow-bellied Sapsucker		14	12	2	4	9			1	2		2	2	5
Downy Woodpecker	16	50	59	6	26	21	9	8	3	37	12	25	27	9
Hairy Woodpecker	6	9	7	2	7	8	7	2	1	2	4	5	6	2
Northern Flicker (Unidentified)	15	39	70	5	19	9	42	18	2	26	45	17	43	23

Table 3. 2017-2018 KOS CBC Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Northern Flicker Yellow-shafted	1	25			6	16	6	4	10	28		11	4	16
Northern Flicker Red-shafted		2			3	1	7	12	2		6		4	6
Pileated Woodpecker		11	9	1		2				1		8	2	2
American Kestrel	32	34	37	7	34	14	16	41	9	15	22	11	20	3
Merlin	2	1	1		1		4	4	2	1	3	2	2	1
Peregrine Falcon														
Prairie Falcon	5	1			5		8	5	4	1	6	1	2	CW
<i>Falco</i> species														
Eastern Phoebe	1													
Loggerhead Shrike	12	5					2	11		4		3	1	CW
Northern Shrike												1		1
<i>Lanius</i> species														
Blue Jay	9	161	110	16	4	69	6	8		78	4	17	58	100
Woodhouse's Scrub-Jay								2						
Black-billed Magpie								6			41			
American Crow	35	420	336	161	23	62	14	2	10	765	4	63	234	201
Common Raven								6						
Horned Lark	186	259	42	63	160	CW	111	4054	30	54	180		26	
Carolina Chickadee	10	107												
Black-capped Chickadee			114	15	39	41	3			46		57	45	29
Tufted Titmouse	5	72	68	4	3	28				16		18	27	9
Red-breasted Nuthatch		CW	1		2		3	2	1		13	1	1	
White-breasted Nuthatch	4	38	41	6	27	41	6	3	2	12	8	20	29	12
Pygmy Nuthatch														
Brown Creeper		6	1	1		4	2		1	5	2	3	3	
Rock Wren														
House Wren														
Winter Wren	1	8	2	2	1	3			1		1	5	4	CW
Sedge Wren														
Marsh Wren	1						3	7						
Carolina Wren	7	52	71	9	14	44	4		2	7		44	47	7
Bewick's Wren									2					
Blue-gray Gnatcatcher														
Golden-crowned Kinglet		6	3				2	2		5	2	2	2	1
Ruby-crowned Kinglet		9	1				5	1				5	1	
Eastern Bluebird	11	130	213	34	34	39	30	1		198	14	82	43	69
Mountain Bluebird					58			22			6			
Townsend's Solitaire					1	CW		2	2		CW			
Hermit Thrush		6	2		8		1			1		1	2	
American Robin	3	287	2455	75	2	275	50	128	20	2333	178	253	1551	230
Gray Catbird														
Brown Thrasher													1	1
Northern Mockingbird	9	27	30			15	1			7		10	8	CW
European Starling	458	1675	1094	314	660	456	1701	234	300	2111	6902	2588	666	380
Bohemian Waxwing														
Cedar Waxwing		49	91	5	10	45	15	56		18	2		30	12
House Sparrow	109	208	121	65	300	50	268	461		245	971	40	265	12
American Pipit		12										24		
Evening Grosbeak								2						
House Finch	3	21	38		38	5	36	16	8	43	190	27	3	12
Purple Finch			3			2				1				
Red Crossbill							27	15			87	CW		
Pine Siskin	51	6			14			117			2		CW	1
Lesser Goldfinch								1						
American Goldfinch	43	106	78	6	45	18	28	77	8	21	18	72	34	24
Lapland Longspur	478	462	5		225		33	4380	650	15	12552	25	3	CW
Chestnut-collared Longspur														
Smith's Longspur													6	
McCown's Longspur								25			10			
longspur species														
Snow Bunting														
Spotted Towhee		9					1	1	1	2	3	1		1
Eastern Towhee														1
Rufous-crowned Sparrow														
Cassin's Sparrow								1						
American Tree Sparrow	485	205	525	308	442	282	148	749	30	1431	282	219	263	358
Chipping Sparrow														
Field Sparrow	2	5						3				1		
Vesper Sparrow								1						
Lark Bunting								4						
Savannah Sparrow	55	30					1	4	1		2	1	1	2
LeConte's Sparrow														
Fox Sparrow	1	18	5	4			1	1	4		2	6	2	1
Song Sparrow	69	119	37	19	5	22		115	7	16	7	29	24	7
Lincoln's Sparrow		3	1	2		3		1			2		1	1
Swamp Sparrow		3	3			2		2				2		
White-throated Sparrow		3	10			39				13			13	3
Harris's Sparrow	566	800	86	103	406	59	123	110	30	376	79	113	156	100
White-crowned Sparrow	244	66	99	9	9	34	8	1504	21	25	125	4	18	2
Slate-colored Junco	374	656	1215	452	300	599	80	864	51	653	38	310	262	437
Oregon Junco			2		2	1	2	116	4		11	7	2	
Pink-sided Junco					1			70			1			1
Gray-headed Junco								2						
White-winged Junco								2						
Unidentified Junco		96					104	166			383			20
Yellow-headed Blackbird														
Eastern Meadowlark		55	106		1	5	21	10		3	1	3		7
Western Meadowlark		7	28	1	169	60	217	491	210		565	1	18	
<i>Sturnella</i> species	1156	1247	368	169	675	44	862	134		132	417	64	242	15
Red-winged Blackbird	47352	85204	983	1640	850	600	1503459	686	1420	4566	1079	233	660	392
Brown-headed Cowbird	2585	CW	5	6	28	1	797		2	7	536		22	
Rusty Blackbird			150		6	48				11				
Brewer's Blackbird	2110	758	120		1385				30	15	17	19		
Common Grackle		2	135	4	46			562		2		5	9	
Great-tailed Grackle					CW			1100			2588	1030		
blackbird species	1300													
Orange-crowned Warbler													1	
Common Yellowthroat														
Yellow-rumped Warbler (Myrtle)	2	174	78	6	4	51	47	16		29	1	48	10	57
Yellow-rumped Warbler (Audubon's)								2						
Northern Cardinal	49	220	173	40	30	114	34		1	58	11	95	94	131
Total Species	75	93	84	60	68	76	90	79	65	77	75	92	90	75
Total Individuals	70422	105841	12143	22231	8962	6274	1613676	17954	3708	23691	73369	10103	27348	4138

Table 3. 2017-2018 KOS CBC

Species	Garden City	Halstead/Newton	Hays	Holton	Jetmore	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir
Snow Goose (unidentified)				450	220	20287	CW		72	10434		5068		3455
Snow Goose (white form)	629	2000				2933		316				10246	851	
Snow Goose (blue form)	8					600		1				770	9	
Ross's Goose		400				7	CW	1	5	5	1		19	12
Greater White-fronted Goose		203		4		98				29	66	1	340	
Cackling Goose	230	2000		160		13		8	13	26	20	17	2381	167
Canada Goose	139	4404	17	3948	625	1275	583	10	2950	2634	574	4172	24522	4566
Trumpeter Swan										37				
Tundra Swan														
Wood Duck	34				5				1	4				
Blue-winged Teal									1			1		
Northern Shoveler		CW				29		1	62		32		10	5
Gadwall	21	CW	60			85	11	100	145	300	69	7		12
American Wigeon	98		3	1	14	8	3	24	105	30			1	
Mallard	271	122	114	730	715	10000	1179	435	780	1317	12406	1106	628	766
American Black Duck									1					
Northern Pintail		CW			40		10	1	4	3	4			
Green-winged Teal	128	CW	1	2	581	22	8	142	166	16	160	60		3
Canvasback		20	1			10	CW	12		20	3			
Redhead	1	CW	6			23			35		4	28		14
Ring-necked Duck	11	CW	1	2			25	39	79	144	90	9		24
Greater Scaup														15
Lesser Scaup		20	6	3					26	2		2	12	45
Surf Scoter														
White-winged Scoter														
Long-tailed Duck														
Bufflehead		CW				32		15	20		19			115
Common Goldeneye				15	1	183	314	133	228	11	37	8	367	265
Barrow's Goldeneye														
Hooded Merganser				1		60	3	72	180	1	23	60	2	17
Common Merganser				5	16	18	27	21	6			134	96	88
Red-breasted Merganser						2			4					3
Ruddy Duck									1					68
duck species														
Northern Bobwhite	52	22	47	8	15	4	24				3	63	59	54
Scaled Quail														
Ring-necked Pheasant	13	4	15	1	20			3					1	2
Greater Prairie-Chicken								32				17		
Lesser Prairie-Chicken					33									
Wild Turkey	2	5	68	52	10	4	110	61	39	4		81	10	98
Pied-billed Grebe	3			1		8	3		14		69	2		14
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon	299	65	473	54	54	8	41	21	185	79	48	514	138	156
Eurasian Collared-Dove	1543	20	233	8	131	1	16	10	3	11	14	51	17	43
White-winged Dove	129		1											
Mourning Dove	27	20	11	41	49	32	4		133	24	26	99	17	231
Greater Roadrunner														
Virginia Rail								1	1					
Sora														
American Coot	26			4				4	24	20	931			56
Sandhill Crane												1		
Killdeer			1			4			4		4	12		2
Dunlin														
Least Sandpiper														
Long-billed Dowitcher														
American Woodcock														
Wilson's Snipe								2	1			CW		
Lesser Yellowlegs														
Greater Yellowlegs											3			
Bonaparte's Gull						189		157	12	67	13			
Ring-billed Gull	1					1223	56	133	1280	1	178	259	1	155
Herring Gull						21	CW		4					7
Lesser Black-backed Gull						1								
gull species						15		2						
Common Loon						6	CW		2		6			1
Double-crested Cormorant		1				638		6	6	1	34	22		3
American White Pelican						288		1	3		1			
American Bittern									1					
Great Blue Heron	3	10	CW			26	30	14	20	1	17	23	11	6
Black-crowned Night-Heron														
Turkey Vulture														
White-tailed Kite														
Bald Eagle (Adults)				10		18	10	2	15	21	8	19	15	14
Bald Eagle (Immatures)				6		27	7		5	29	1	4	17	7
Northern Harrier	23	10	20	4	62	71	6	13	20	3	43	40	19	38
Sharp-shinned Hawk	4	4				3	1	1	8	CW		7	2	
Cooper's Hawk	3	1	2	4	1	2	1		13	2	1	9	7	3
Accipiter species										1				
Red-shouldered Hawk		2		3			1		18	2	20	7		
Red-tailed Hawk	86	93	117	62	52	98	32	52	176	83	175	195	97	131
Harlan's Hawk		1	1			1	1		1	3	4	13		
Rough-legged Hawk	6	2	8	5	24	7	1	3			1	7	1	6
Ferruginous Hawk	11				10									
Buteo species	2	5	1											
Golden Eagle														
Barn Owl						1						1		
Eastern Screech-Owl			1		4	1	CW		1		1	2		1
Great Horned Owl	4	4	5		8	5		1	6		2	1	2	6
Snowy Owl					1	1								
Barred Owl				1		4	3	2	13	CW	6	6	1	3
Long-eared Owl														1
Short-eared Owl											9			3
Belted Kingfisher		6	3		1	4	2	4	6	3	4	10	2	3
Lewis's Woodpecker	1													
Red-headed Woodpecker				2		1			14	5	103	4		4
Red-bellied Woodpecker	3	32	7	31	11	32	9	36	130	40	140	146	44	45
Yellow-bellied Sapsucker				1		1			12	3	3	9	1	5
Downy Woodpecker	15	23	5	12	15	12	5	21	110	21	60	84	25	39
Hairy Woodpecker	1	4	2	4	9	3	2	10	15	7	4	6	8	3
Northern Flicker (Unidentified)	5	10	11	21	26	14	15	26	36	40	93	40	16	

Table 3. 2017-2018 KOS CBC Species	Garden City	Halstead/ Newton	Hays	Holton	Jetmore	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir
Northern Flicker Yellow-shafted	4	20	6			17	5	18	89	7		112	15	58
Northern Flicker Red-shafted	15	2	2			5				1		1	1	
Pileated Woodpecker		1				1		1	9	7	9	8		
American Kestrel	21	28	13	13	6	18	5	31	39	16	30	29	29	5
Merlin	2	1	1		3	1	1	1			1	7	1	
Peregrine Falcon									1					
Prairie Falcon	9		2		11				1			2	2	1
<i>Falco</i> species													1	
Eastern Phoebe														
Loggerhead Shrike	1	1	1		1	1		2			3			2
Northern Shrike	1		1					1				1		
<i>Lanius</i> species														
Blue Jay	22	9	2	29	1	38	8	1	107	77	213	146	14	65
Woodhouse's Scrub-Jay														
Black-billed Magpie			2		3									
American Crow		88	59	154	3	224	124	62	345	202	212	3558	105	256
Common Raven														
Horned Lark	562	93	158	18	935	73	68	27	9	16		38	187	121
Carolina Chickadee														
Black-capped Chickadee		64	5	43		33	15	60	231	66	100	205	58	44
Tufted Titmouse		11		20		6	3		133	48	92	98	17	11
Red-breasted Nuthatch	22	1	CW		2							5	1	1
White-breasted Nuthatch	2	12	5	12	10	12	5	19	90	41	50	88	22	9
Pygmy Nuthatch														
Brown Creeper		1	CW		1	4	1		16	2	11	11	4	4
Rock Wren									1					
House Wren														
Winter Wren					1	4		2	1		4	6	1	4
Sedge Wren														
Marsh Wren	1		2		1			1				1		
Carolina Wren	1	23	2	2	1	10	5	29	91	35	87	87	27	6
Bewick's Wren						1								
Blue-gray Gnatcatcher														
Golden-crowned Kinglet	2	5				1	1	3	8	4	15	32	1	11
Ruby-crowned Kinglet		2	2			2			8	1	5	8		
Eastern Bluebird		68		33	24	48	44	136	185	140	114	435	60	21
Mountain Bluebird					20			2						
Townsend's Solitaire	3				1									
Hermit Thrush				1		1	1		6	7	1	7	1	
American Robin	108	175	4	175	85	380	126	65	1442	179	474	902	466	766
Gray Catbird														
Brown Thrasher														
Northern Mockingbird		3		9	1	12		1	21	5	17	8	3	3
European Starling	39009	1053	2605	935	489	591	351	2562	3550	449	3200	4887	608	5433
Bohemian Waxwing														
Cedar Waxwing	6				46		15	1	183	35	136	85	104	54
House Sparrow	828	32	309	153	225	9	39	25	278	126	40	217	92	234
American Pipit					1	6							2	
Evening Grosbeak														
House Finch	202	38	68	14	36	4	7	27	91	16	2	62	40	4
Purple Finch									25	1	2			
Red Crossbill	34		12		7			23						
Pine Siskin	10	4			43				3		6	3	19	12
Lesser Goldfinch														
American Goldfinch	23	94	14	63	45	28	20	96	132	79	80	164	106	56
Lapland Longspur	577	50	319		32629	148	47	6	2				541	16
Chestnut-collared Longspur								CW						
Smith's Longspur														5
McCown's Longspur														
longspur species														
Snow Bunting			1			8								
Spotted Towhee		2	1		2			17	4	1		CW		
Eastern Towhee														
Rufous-crowned Sparrow														
Cassin's Sparrow														
American Tree Sparrow	54	32	229	731	319	200	212	385	222	75	66	362	145	1221
Chipping Sparrow														
Field Sparrow						1		1			6		2	
Vesper Sparrow														
Lark Bunting														
Savannah Sparrow		4				5	2		20		21	8		4
LeConte's Sparrow									2					
Fox Sparrow	1			2	1	2		8	26	11	12	4	3	6
Song Sparrow	18	10	16	9	28	22	8	12	157	18	53	54	21	32
Lincoln's Sparrow										5				1
Swamp Sparrow						1			37	2	9			
White-throated Sparrow		3	2	4					107	62	100	17		16
Harris's Sparrow	34	356	108	81	208	26	31	166	88	62	23	516	279	211
White-crowned Sparrow	549	3	45	8	108	26		7	50	24	141	26	14	32
Slate-colored Junco	14	97	14			171	677	177	750	472	894	1109	361	211
Oregon Junco	6		4						3	1	7		3	
Pink-sided Junco														
Gray-headed Junco							1	1				CW		1
White-winged Junco														
Unidentified Junco	277	161	265	1399	174	25		167	77					
Yellow-headed Blackbird			1						1					
Eastern Meadowlark						93		25	10	76	12	66	1	5
Western Meadowlark	514	1	1417		217			92	5	1	26	29		1
<i>Sturnella</i> species		368		248	542	53	56	84	157	320	84	331	757	144
Red-winged Blackbird	25928	40102	797	8	1393	2,579	25	2624	29300	20031	100000	1378	907	13211
Brown-headed Cowbird	27	132	91	16	50	17	1	895	313	6	28	3	8	
Rusty Blackbird	40			33	31				8		7	19	45	14
Brewer's Blackbird	1		31		243	13		178			25		201	13
Common Grackle	145		34		8			2	3	1	450	1		5
Great-tailed Grackle	3296		30							CW	83			
blackbird species	215	100000				180								
Orange-crowned Warbler														
Common Yellowthroat														
Yellow-rumped Warbler (Myrtle)		64		4		35	16	30	246	24	168	214	82	69
Yellow-rumped Warbler (Audubon's)														
Northern Cardinal	8	137	14	66	1	42	32	70	229	152	175	323	132	121
Total Species	69	65	65	62	75	90	62	82	103	77	92	88	74	91
Total Individuals	76424	152864	7935	9939	40832	43527	4503	10086	46127	38323	122882	39133	35235	33300

Table 3. 2017-2018 KOS CBC Species	Olsburg	Oskaloosa Perry Lake	Parsons	Pomona Lake	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	St. Marys	Syracuse
Snow Goose (unidentified)			400	2111	27500							2	42211	36000
Snow Goose (white form)		21	875		2580	97		4500	13		173			
Snow Goose (blue form)					120			600			33			12
Ross's Goose			65	5	2012	3			1		27		CW	14
Greater White-fronted Goose			13		775	10		1723	7		8		CW	4
Cackling Goose		12	698	33	15	200		510	213	12	41		101	1200
Canada Goose	526	997		1899	250	474	1586	361	3582	705	762	46	3925	230
Trumpeter Swan			CW							4			14	
Tundra Swan					4								CW	
Wood Duck			4			CW		4	32			5		20
Blue-winged Teal														
Northern Shoveler		2	295	5	4					40	53		2	
Gadwall	8	26	169	12	2	8	119	20		94	32		7	
American Wigeon		33			247		60	20	5	139	1		3	
Mallard	5154	9161	50646	233	10131	143	400	108	367	245	169	93	2023	25
American Black Duck														
Northern Pintail	1	3	155		430		4		15				1	
Green-winged Teal	1	1	1031	5	114	2	1	1	4	21	6		3	
Canvasback		3	6		CW	3	5				6			
Redhead	12			14	15		1			10	1			
Ring-necked Duck	12	102	172	34		26	5			283	7	5	13	62
Greater Scaup			CW										CW	
Lesser Scaup		21	5	67	21	2			1	4	15		21	
Surf Scoter						CW								
White-winged Scoter														
Long-tailed Duck														
Bufflehead		35	22	44	2		4			2			5	
Common Goldeneye		534	19	222	18	2	16			19			562	
Barrow's Goldeneye														
Hooded Merganser	2	15	34	12	10	16	16			18			28	
Common Merganser		12	1	76	58		2			6			49	
Red-breasted Merganser		16	CW	4										
Ruddy Duck			4	32	1		5							
duck species		33			40				20	34	30		11	
Northern Bobwhite	12		1	16	76	37	15	8	20	21	9		40	2
Scaled Quail														2
Ring-necked Pheasant					14		1	7	13		13			
Greater Prairie-Chicken	CW												1	
Lesser Prairie-Chicken														
Wild Turkey	54	60		43	21	144			347		111	35	7	16
Pied-billed Grebe		3	13	13	1	2	2		2	3	1	23	CW	4
Horned Grebe				1										
Eared Grebe														
Western Grebe														
Rock Pigeon	9	32	1	54	2	7	453	20	216	5	24		115	172
Eurasian Collared-Dove		18	5	24	75	47	93	89	907	10	29		43	1165
White-winged Dove								3	2					7
Mourning Dove	15	107	65	155	73	40	49	202	1	23	380	40	76	19
Greater Roadrunner						1								1
Virginia Rail					1	2			1		3			
Sora					1									
American Coot	71	13	20	43	40		10			CW				
Sandhill Crane					1150	2084		1						
Killdeer	CW		15	1	3			1		CW	16			
Dunlin					1									
Least Sandpiper					22						7			
Long-billed Dowitcher					CW									
American Woodcock			1											
Wilson's Snipe			66			6		4		1	28			
Lesser Yellowlegs											2			
Greater Yellowlegs					10						9			
Bonaparte's Gull				13										
Ring-billed Gull	748	232	35	133	42	CW	2	3		9	5		CW	
Herring Gull		1		3	2									
Lesser Black-backed Gull				1										
gull species	21	21												
Common Loon		CW												
Double-crested Cormorant		8	4	6	10						1			
American White Pelican		65	CW	12										
American Bittern											2			
Great Blue Heron	3	22	10	13	12	5	10	7	3	3	11	8	2	3
Black-crowned Night-Heron														
Turkey Vulture														1
White-tailed Kite														
Bald Eagle (Adults)	2	5	6	25	17	2	2			6	10	4	68	
Bald Eagle (Immatuers)	1	3	17	4	27	4				3		2		1
Northern Harrier	13	6	46	26	70	13	12	8	12	11	22	8	38	28
Sharp-shinned Hawk	1	3	2	1	5	1	3	2	2	1	2	1	1	
Cooper's Hawk	1	4	2	2	7	4	3	4	1	2	2		3	
Accipiter species	1	1			1								1	
Red-shouldered Hawk		13	7			3			1	7	9	7	5	
Red-tailed Hawk	42	97	138	56	118	50	40	36	31	56	126	41	130	32
Harlan's Hawk	1	1			5	3	2			2	14		1	
Rough-legged Hawk	2		2	1	14	3	1	1	13				3	5
Ferruginous Hawk					2				1					3
Buteo species	2	2			9	1				1			2	
Golden Eagle	2													3
Barn Owl			2								1			
Eastern Screech-Owl					6	1					6			1
Great Horned Owl		3	5	5	12	5	2	3	3		17		CW	2
Snowy Owl				1										
Barred Owl	3	3	5	2	2	3			1	2	12		3	
Long-eared Owl														
Short-eared Owl			12		3						3			
Belted Kingfisher	1	1	1	3	1	2	2	4	3	5	2		4	
Lewis's Woodpecker														
Red-headed Woodpecker		1	37	1						13	2	16		
Red-bellied Woodpecker	16	72	57	34	23	23	26	28	1	38	72	17	63	1
Yellow-bellied Sapsucker	2	6	3	2	5	7	3	7	2	4	8	1	7	1
Downy Woodpecker	11	47	32	23	17	23	6	16	19	34	43	6	35	5
Hairy Woodpecker	2	4	3	4	4	11	1	8	15	7	9		2	1
Northern Flicker (Unidentified)	21	53	45		64	25	4	11	17	24	43	13	53	20

Table 3. 2017-2018 KOS CBC Species	Olsburg	Oskaloosa Perry Lake	Parsons	Pomona Lake	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	St. Marys	Syracuse
Northern Flicker Yellow-shafted	13	25		14	24	10	22	13	6	25	34			
Northern Flicker Red-shafted		2		1	14	5		4	7					9
Pileated Woodpecker		2	9	2		1				9	6	1	2	
American Kestrel	6	17	24	5	64	22	27	26	11	21	47	14	12	13
Merlin	1		2	1	7	1			2		3		1	4
Peregrine Falcon														
Prairie Falcon	1				2				4				2	6
<i>Falco</i> species							1						1	
Eastern Phoebe			2			2				1	1	1		
Loggerhead Shrike	1	1	4	1	10		1	1		5	8	1	CW	2
Northern Shrike					1	2		1						2
<i>Lanius</i> species													1	
Blue Jay	59	123	172	109	6	5	8	6	2	83	79	75	52	45
Woodhouse's Scrub-Jay														
Black-billed Magpie					CW									14
American Crow	3056	229	150	344	45	1286	17	136		113	145	117	199	111
Common Raven														5
Horned Lark		1	101	65	157		240	68	348		56	645	145	401
Carolina Chickadee			57			19		10		55	63	19		
Black-capped Chickadee	20	89		42	4		28	11			11		58	
Tufted Titmouse	7	57		14		6		17			40	12	20	
Red-breasted Nuthatch			CW	2				4			1			1
White-breasted Nuthatch	6	32		12	6	5	10	28		28	10		12	
Pygmy Nuthatch										1				
Brown Creeper		3	6	6		3		3		4	5	11		
Rock Wren														
House Wren					1									
Winter Wren		3	5	1	2	2		5	1	6	6		3	
Sedge Wren			2							2				
Marsh Wren			2		4	1	1	1	5		10			
Carolina Wren	6	23	41	7	5	27	1	21		43	37	3	16	
Bewick's Wren						1				1	2			
Blue-gray Gnatcatcher		1												
Golden-crowned Kinglet		1	2	12	6	1	1		9	5	9	5	1	1
Ruby-crowned Kinglet		1	2	2		1		4	1	2	5		1	
Eastern Bluebird	60	151	87	15	65	76	46	40	44	100	169	65	90	
Mountain Bluebird					31	208		82						25
Townsend's Solitaire					1		1		19					1
Hermit Thrush		2	3	1		3				3	1			
American Robin	144	5076	189	2122	357	876	148	547	221	536	1985	66	183	110
Gray Catbird									1					
Brown Thrasher														
Northern Mockingbird	1	19	20	3	12	5	1	2		23	25	10	5	
European Starling	450	1337	1685	1655	918	362	4402	512	20081	186	4184	522	2113	2417
Bohemian Waxwing														1
Cedar Waxwing	5	742	193	12		59	45	70	26	349	64	24	36	35
House Sparrow	8	149	31		14	26	100	203	318	46	80	41	272	327
American Pipit											6			
Evening Grosbeak														
House Finch	24	70	4	14	23	20	53	26	133	14	9	7	80	43
Purple Finch		10	2											
Red Crossbill				6										
Pine Siskin	2					8	3		37					28
Lesser Goldfinch									1		3			8
American Goldfinch	107	56	102	21	64	49	15	84	22	17	119	6	88	15
Lapland Longspur			3		42			60	857		385		401	124
Chestnut-collared Longspur														
Smith's Longspur			CW							36				
McCown's Longspur														
longspur species														
Snow Bunting														
Spotted Towhee		1		3	5	10	3	2	14		7		2	1
Eastern Towhee							1		2	2				
Rufous-crowned Sparrow						1								
Cassin's Sparrow														
American Tree Sparrow	40	623	41	455	1287	589	51	133	1532	207	486	2	1446	214
Chipping Sparrow		2						1						
Field Sparrow		1	3		4	2	6	2		28	11	1		
Vesper Sparrow		1			1						1			
Lark Bunting														
Savannah Sparrow		2	39		20	20		3		51	65	4	1	
LeConte's Sparrow			1								4			
Fox Sparrow		6	12	3	22	6		5	6	7	10	1	1	
Song Sparrow	14	29	51	13	71	81		35	16	111	359	39	36	12
Lincoln's Sparrow		1	12	1						2	11		2	
Swamp Sparrow		1	124		2	4		2		15	123			
White-throated Sparrow		15	64	14		3	15	37		6	6	12	CW	
Harris's Sparrow	17	157	94	322	757	576	115	594	620	76	1509	55	208	2
White-crowned Sparrow	5	87	249	12	137	214		39	1547	20	281	82	2	149
Slate-colored Junco	230	1162		566	798	708	155	225	17	344	502			337
Oregon Junco		15			1		1	1	3	2	4		1	4
Pink-sided Junco					1	2			2		2			1
Gray-headed Junco														
White-winged Junco									1					
Unidentified Junco		818	803		112			246	2253		46	224	1064	79
Yellow-headed Blackbird							1							
Eastern Meadowlark		23	25	1	4	20				15	61			
Western Meadowlark			1		405		101	4	65		10			45
<i>Sturnella</i> species	71	54	347	23	429	294	228	574	30	109	974	210	974	124
Red-winged Blackbird	2481	1357	3584	3555	1595	1085	3010	1221	523	353	270295	137	437	197
Brown-headed Cowbird	1	3	93	5	76	3			2	29	150		CW	256
Rusty Blackbird			11	12		4				25	23			
Brewer's Blackbird			125		29	1553		17		58	255		3	150
Common Grackle			112		4		1		1		53		6	15
Great-tailed Grackle			2						100					196
blackbird species			1501		1425		2000			130		1000		
Orange-crowned Warbler								1			1			
Common Yellowthroat			2							2	4			
Yellow-rumped Warbler (Myrtle)	6	199	54	23	73	46	8	44	CW	135	192		10	48
Yellow-rumped Warbler (Audubon's)														8
Northern Cardinal	67	236	266	81	69	62	73	44	30	85	192	109	207	
Total Species	58	87	99	89	99	87	71	78	75	81	106	50	78	68
Total Individuals	13682	24949	65840	15107	55530	11920	13908	13561	34829	5428	285669	3883	57879	44647

Table 3. 2017-2018 KOS CBC Species	Tallgrass Nat. Pre.	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Snow Goose (unidentified)		7		26010	200	75000	1		100	326260
Snow Goose (white form)			5		150		12	270	50	85736
Snow Goose (blue form)			CW	350				40		9044
Ross's Goose			CW	306		500	3	56		19541
Greater White-fronted Goose			459	25	60	2005	34	CW	8	10810
Cackling Goose		112	1904	316	24	900	5305	10	16	24011
Canada Goose	1260	2293	8571	1947	850	12400	9935	325	658	139688
Trumpeter Swan				CW		1				63
Tundra Swan										4
Wood Duck		5	2	1			112		2	250
Blue-winged Teal										4
Northern Shoveler			18	2	10		311	3	9	2366
Gadwall			CW	156	2	13	20	163	34	2677
American Wigeon			3530	2	2	41	37	7		4555
Mallard	145	242	5242	11642	1858	20300	1095	950	20	168547
American Black Duck										1
Northern Pintail			CW	4	25	2	5	1		1258
Green-winged Teal			84	3	700	6	21	22		4501
Canvasback			CW	38	4		75			249
Redhead			21	16	2	2	59	6		350
Ring-necked Duck	1	14	718	3		11	129			2155
Greater Scaup		17		6			32			70
Lesser Scaup			19	23		14	609	6	4	1003
Surf Scoter										CW
White-winged Scoter								3		3
Long-tailed Duck				1				3		6
Bufflehead		4	11	37	8	5	120	168		708
Common Goldeneye	39	52	568	551	56	37	284	3582		8852
Barrow's Goldeneye								1		1
Hooded Merganser	8	37	36	21		5	245	95		1115
Common Merganser			CW	164		130	3	26		991
Red-breasted Merganser				1						30
Ruddy Duck		13				1	23			159
duck species										182
Northern Bobwhite		1	CW		15	24	9	34	1	878
Scaled Quail										2
Ring-necked Pheasant			1	9	1	50		30	3	264
Greater Prairie-Chicken	1		77	20		19		12		229
Lesser Prairie-Chicken										33
Wild Turkey		28	10				CW	17	85	2391
Pied-billed Grebe		23	14	5		10		8		323
Horned Grebe				1				1		3
Eared Grebe								1		1
Western Grebe								2		2
Rock Pigeon		647	191	42	42	23	403	75	30	7527
Eurasian Collared-Dove	9	54	66	39	3	130	11	54	18	7388
White-winged Dove			CW	1		1	18			239
Mourning Dove		96	290	35	71		32	4	19	4010
Greater Roadrunner										2
Virginia Rail								1		12
Sora										1
American Coot		87	43	91		3	39	105		1925
Sandhill Crane										3626
Killdeer		3					22			107
Dunlin										1
Least Sandpiper										42
Long-billed Dowitcher										CW
American Woodcock										1
Wilson's Snipe	2		1				10	1	1	131
Lesser Yellowlegs										2
Greater Yellowlegs			CW							22
Bonaparte's Gull								1		452
Ring-billed Gull		57	5	321	180		506	142	172	7195
Herring Gull				9	1		7	30	6	148
Lesser Black-backed Gull				1						3
gull species	2	40							1	114
Common Loon		CW					2	3		20
Double-crested Cormorant			12	1	5		262	12		1104
American White Pelican			CW	CW	36					467
American Bittern										3
Great Blue Heron	3	4	11	1	5	1	36	8	1	458
Black-crowned Night-Heron							8			9
Turkey Vulture										1
White-tailed Kite										2
Bald Eagle (Adults)	18	7	7	43	5	16	6	5	3	490
Bald Eagle (Immaturess)		1	5	8	1	12	2	2		256
Northern Harrier	22	6	36	44	20	28	2	31	13	1362
Sharp-shinned Hawk		4	1			1	3	2	1	109
Cooper's Hawk		7	3	1	3	2	3	5	1	140
Accipiter species										7
Red-shouldered Hawk		12	3		1					170
Red-tailed Hawk	47	70	190	53	101	83	44	90	56	4502
Harlan's Hawk			9	2	7			3		117
Rough-legged Hawk	7	1		4	13	5		5		251
Ferruginous Hawk									3	45
Buteo species									2	35
Golden Eagle								2		13
Barn Owl			3							15
Eastern Screech-Owl			5	2	1	3	2	4		54
Great Horned Owl			CW	8	2	4	2	2	2	192
Snowy Owl				2	1					8
Barred Owl		2	22	5	5				1	158
Long-eared Owl								3		6
Short-eared Owl			1	1					CW	53
Belted Kingfisher		6	5		5	5	9	2	4	151
Lewis's Woodpecker										1
Red-headed Woodpecker			2		2			1		221
Red-bellied Woodpecker	18	55	98	27	32	13	44	15	29	1948
Yellow-bellied Sapsucker		5	11	1	3	1	5	CW		172
Downy Woodpecker	6	59	32	9	11	10	43	15	17	1274
Hairy Woodpecker	1	3	15	2	2	4	7	5	1	257
Northern Flicker (Unidentified)	8	62	48	4	53	30	9	29	9	1371

Table 3. 2017-2018 KOS CBC Species	Tallgrass Nat. Pre.	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Northern Flicker Yellow-shafted			46	2	1	2	13	2	17	747
Northern Flicker Red-shafted			4	1		6	2	1	1	127
Pileated Woodpecker	1	1	15							121
American Kestrel	7	18	61	5	10	23	13	31	17	1072
Merlin		1	2	5	1	1	1	4		80
Peregrine Falcon		CW								1
Prairie Falcon		CW	3	2	2	1		3		92
<i>Falco</i> species										3
Eastern Phoebe										8
Loggerhead Shrike			7	1	3					96
Northern Shrike					1				6	19
<i>Lanius</i> species										1
Blue Jay	2	131	106	10	43	1	60	3	3	2555
Woodhouse's Scrub-Jay										2
Black-billed Magpie								5		71
American Crow	95	209	500	20	235	11	628	12	38	15418
Common Raven										11
Horned Lark	14	12	16	2139	33	205	8	41	479	12644
Carolina Chickadee			109							449
Black-capped Chickadee	19	122	7	1	14	7	89	4	24	1863
Tufted Titmouse	2	69	54		7		26		2	1075
Red-breasted Nuthatch		CW	6			16	2	5		102
White-breasted Nuthatch	8	65	34	19	12	10	11	3	3	942
Pygmy Nuthatch										1
Brown Creeper	1	24	5				20	1		177
Rock Wren										1
House Wren										1
Winter Wren			5		1		5	1		97
Sedge Wren										4
Marsh Wren								4		45
Carolina Wren	7	31	40	2	27		29	3	3	1086
Bewick's Wren			1							8
Blue-gray Gnatcatcher										1
Golden-crowned Kinglet		1	6	2	2	1	10	1	1	185
Ruby-crowned Kinglet		14	19				16		2	120
Eastern Bluebird	17	114	260		53	2	45	27	115	3847
Mountain Bluebird								297		751
Townsend's Solitaire								CW		31
Hermit Thrush		4	5		1		4	2		75
American Robin	19	2180	10735	5	916	6	359	75	48	40090
Gray Catbird										1
Brown Thrasher		2					1			5
Northern Mockingbird	1	7	24		6			1	4	359
European Starling	121	2926	228685	456	196	700	6427	925	1134	367655
Bohemian Waxwing										1
Cedar Waxwing	61	101	233		65		29			3147
House Sparrow	42	178	725	247	58	95	160	93	103	9038
American Pipit										51
Evening Grosbeak										2
House Finch		116		11	4	12	123	94	37	1968
Purple Finch		2	22							70
Red Crossbill			12	14		2		14		318
Pine Siskin			26				CW	15		357
Lesser Goldfinch										1
American Goldfinch	17	67	81	8	15	27	89	70	51	2768
Lapland Longspur				3571	24	1076	5	CW	23	59734
Chestnut-collared Longspur										100
Smith's Longspur										47
McCown's Longspur										35
longspur species									50	50
Snow Bunting				3						12
Spotted Towhee		CW	1		6	2	14	4	1	122
Eastern Towhee										6
Rufous-crowned Sparrow										1
Cassin's Sparrow										1
American Tree Sparrow	108	125	418	990	664	95	12	454	225	20177
Chipping Sparrow							1			4
Field Sparrow			12				3			94
Vesper Sparrow										4
Lark Bunting										4
Savannah Sparrow		11	26	1						404
LeConte's Sparrow			1							8
Fox Sparrow		4	15		1	11	15	CW		246
Song Sparrow	2	39	117	12	26	6	22	30	3	2058
Lincoln's Sparrow		1	2						13	64
Swamp Sparrow		CW			4		4			340
White-throated Sparrow		95	11		2		51			733
Harris's Sparrow	119	97	1606	440	464	47	124	65	369	13729
White-crowned Sparrow	6	33	16	123	65	17	2	27	29	6343
Slate-colored Junco			996	121	319	200	465	392	157	18932
Oregon Junco			10	3		7		3		226
Pink-sided Junco			2	1		1	1			89
Gray-headed Junco										2
White-winged Junco										3
Unidentified Junco										3
Yellow-headed Blackbird	86	608		255	12		42	17	7	9986
Eastern Meadowlark			124		7			16	3	800
Western Meadowlark			1	30		285		38	4	5059
<i>Sturnella</i> species	44	166	1329	971	175	120	50	187	741	16893
Red-winged Blackbird		770	12310	4181	1206	1025	481	209320	3426	2409956
Brown-headed Cowbird		CW	754500	38		320	5	653	1	761711
Rusty Blackbird		1	712	2						1202
Brewer's Blackbird	400	CW	23511		1	650		15	4	31930
Common Grackle			2400	26		1		3		4036
Great-tailed Grackle				525			56	8		9014
blackbird species		25							22098	129874
Orange-crowned Warbler			3							6
Common Yellowthroat										8
Yellow-rumped Warbler (Myrtle)		125	159	1	30		81	29	8	2746
Yellow-rumped Warbler (Audubon's)									1	11
Northern Cardinal	19	170	250	37	161	15	146	37	52	4960
Total Species	43	73	98	83	81	73	92	96	64	180
Total Individuals	2815	12801	1062916	56555	9484	116862	29955	219473	30566	4849229