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THE WINTER BIRD COUNT FOR 2018-2019

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The 50 Christmas Bird Counts (CBCs) conducted this year, a decrease of one from last year, was just below the average of 51 counts per year since 2000. The Kansas CBC period ran from 12 December 2018 through 12 January 2019. Overall, temperature conditions may have been one of the mildest ever with the lowest temperature of 5° F (-15° C, Dodge City) to 62° F (16.7° C, Council Grove and Webster), an average low of 25.2° F (-3.8° C), and an average high of 49° F (9.4° C). Only six counts (12%) never reached the freezing mark. The coldest count was St. Mary's where temperatures ranged from 16-19° F (-8.9° C to -7.2° C).

The 618 observers (average 12.4/count, range 1-43/count), is up from 609 last year (565 average since 2000). The 263 parties (average 5.3/count, range 1-22/count) is slightly down from last year's 268 parties (average 5.3/count). Typical of Kansas CBCs, state coverage was good, with most physiographic provinces represented. As usual, Manhattan had the most participants with 43 (down from 53 last year) followed by Lawrence with 32 (same as last year). All other counts had fewer than 30 observers. Participants volunteered 1,780.8 party-hours (average 35.6/count), down from last year's 1,946.2 total (average 38.2/count). They compiled 12,792.6 party miles (average 256/count), a decrease from last year's 13,613.7 party-miles (average 267/count). Feeder watchers dropped from 50 last year to 49 this year, with a total of 117.7 hrs of observations (up from 95 hrs last year). Owling hours were up slightly from last years 57.8 to 58.3, though miles were down from 492 to 471.

Only 159 species were recorded this year, the lowest total since 2003-2004 when only 154 were recorded, though the total is still above the average of 140 since 2000. It would have been 162 species if the two count week species, Baltimore Oriole (Lawrence), and Common Yellowthroat (Sawyer) were observed on the count day; and a Pacific Wren (Red Hills) recording proved inconclusive so we placed it within

the Winter Wren totals. Counts averaged 74 species per count, down slightly from 79 last year.

Parsons and Wilson Lake each led with 100 species, the only counts to reach the century mark this year. Counts with at least 90 species included: Udall-Winfield (99); Lawrence (95); Slate Creek Wetlands (SCW, 94); Wichita (93); Melvern Reservoir and Quivira NWR (QNWR), each with 91. Four counts recorded below 50 species: Hays with 49; Anthony with 48; Cimarron National Grasslands (CNG) and the Tallgrass Prairie Preserve each with 36.

Though the weather was mild, the total number of individuals, 2,646,257, was the third lowest total since 2000, with only the years of 2007 (1,172,420 individuals) and 2012 (2,294,507 individuals) lower. This year's individuals totals were below last year's 4,848,511 and well below the average of 6,027,372 since 2000. In fact, no counts recorded greater than one million birds this year.

The greatest number of individuals were recorded at Salina with 513,612 (19.4% of total); followed by Wilson Lake with 464,522 (17.6%); and Linn with 315,538 (11.9%). An additional four counts exceeded 100,000 individuals: SCW with 150,217; Garden City with 130,639; Quivira National Wildlife Refuge (QNWR) with 108,133; and Webster with 101,326. The CNG count had the fewest number of individuals with 1,483, followed by the Tallgrass Prairie Nature Preserve (2,002), Sedan (3,467), SE Kansas Mined Lands (3,815), Olsburg (3,905), Fort Riley (3,954), and Holton (3,977). All other counts had greater than 5,000 individuals. Overall, counts averaged a respectable 52,925 individuals.

No species recorded more than one million individuals this year. However, as expected, Red-winged Blackbird was the most abundant species with 902,723, or 34.1% of this year's total; and considerably down from last year's 2,409,956 individuals. European Starling represented the species with the second highest numbers with 596,259 individuals (22.5% of this year's total), up from last year's 367,655 individuals. Last year's second highest total, the Brown-headed Cowbird of 761,711 dropped to a mere 3,103 individuals. Snow Goose was next highest with 346,802 individuals, 91.3% unidentified, 6.5% white form, and 2.2% blue form; compared to last year's 421,040 individuals (78% unidentified, 20% white form, and 2% blue form). Remaining high totals included blackbird species with 266,292 individuals; Mallard with 117,754 (down from 168,547 last year); and Canada Goose with 108,409 (down from 139,688 last year).

Without a doubt the most unusual species recorded this year, and perhaps the first time reported in a Kansas CBC, was a Blue-headed Vireo (with photos) in Wichita; followed by two Lark Sparrows (one each Sawyer and SCW). Other highlight species, in taxonomic order, includes the following: a Surf Scoter at Lawrence; Black Scoter (seven at El Dorado and one at Waconda); a Long-tailed Duck at Linn County; a Barrow's Goldeneye at Oskaloosa/Perry; a Clark's Grebe at Kanopolis; an Inca Dove at Sawyer; a Greater Yellowlegs at Udall-Winfield; a

Black-legged Kittiwake at Kanopolis; a Neotropic Cormorant at John Redmond; three Great Egrets at Southeast KS Mined Lands; three Black-crowned Night-herons at Wichita; two Turkey Vultures (one each at El Dorado and Fort Riley); a Peregrine Falcon at Leavenworth-Atchinson; a Say's Phoebe at Dodge City; three Bushtits at Scott Lake; a Rock Wren at Wilson; a Vesper Sparrow at Olsburg; and an Audubon's Warbler at Webster.

Numbers for species of conservation concern included: 227 Trumpeter Swans (up from 63 last year); 116 Greater Prairie-Chickens a decrease from 229 last year (average 164.5/yr since 2000, 183.2/yr since 1995), and for the seventh time since 2000, no Lesser Prairie-Chickens were recorded (average 8.6/yr since 2000, 9.7/yr since 1995). The 56 Loggerhead Shrikes is a decrease from 96 last year, below the average of 73 since 2000, and the 81 average since 1995. The 10 Northern Shrikes is a decrease from last year's 19, also below the average of 14 per year since 2000, and 16 since 1995. Scaled Quail dropped for the fourth year in a row, going from 68 individuals, to 43, two last year, and zero this year, with an average of 43 since 2000. The 522 Northern Bobwhite was lower than the 878 individuals last year, and below the averages of 794 since 2000, and 971 since 1995. Bald Eagle increased from the 746 reported last year to 858, well above the average of 653 since 2000. Northern Harriers decreased after four years of increases to 972 (1,362 last year), which is below the 1,079 average since 2000. Only 19 Ferruginous Hawks were reported, the lowest number during the 2000's, down from last year's 45 and well below the average of 57 since 2000 and 60 since 1995. Rough-legged Hawk numbers decreased considerably from 251 reported last year to 84. Golden Eagles decreased to six (13 last year), below the averages of 10 since 2000, and 11 since 1995. The 437 Rusty Blackbirds is down from last year's 1,202, the second lowest total during the 2000's (357 in 2004), and below the 970 average since 2000. The Brewer's Blackbird count of 15,518 individuals is below last year's total of 31,930, but still well above the average of 8,125 since 2000.

Normally, not considered a species of conservation concern, Wild Turkey declines have raised issues regarding continuing with two hunting seasons, therefore, we examined the CBC numbers since 2000. The 1,854 reported this year is considerably below the 2,986 avg since 2000, and the lowest number recorded during this period of time. The nearest four lowest totals during this period include 2,096 (2004), 2,097 (2000), 2,133 (2014), and 2,355 (2016). The two highest totals, exceeding 4,000 individuals, were 4,057 (2006), and 4,019 (2002).

The Red-shouldered Hawk continues shattering new all-time high records each year with 225 observed this year, breaking last year's 170. Red-shouldered Hawks have averaged 57 individuals since 2000. After four years of Red-tailed Hawk (all forms) numbers increasing, they declined this year, going from 4,619 last year to 3,685, still above the average of 3,140 since 1995. Harlan's Hawk was down slightly from last year's 117 to 103 this year. The 49 Merlin was below last year's 80. Prairie Falcons decreased from last year's 92 to 66.

The Eurasian Collared-Dove regained its position as the most abundant dove/pigeon in Kansas this year. After a sharp decline last year with 7,388 individuals, it increased with 9,347 observed this year. The Rock Pigeon also showed a decline last year (7,527 individuals), but only showed a slight increase this year with 7,679 individuals. The collared-doves totals this year are well above their average since the 1997-1998 CBC, 4,271 per/yr, and the average of 4,944 since 2000. Eurasian Collared-Dove's continue to be reported throughout the state, and on all but five counts: Anthony (first time not reported); Benedictine Bottoms (not common); Junction City (first time since 2007-2008); Olsburg (not common); and Wakefield (CW). Twenty-one counts reported increases from last year, while 24 showed decreases. As usual, Garden City had the highest totals for any individual count with 4,040 (only 1,543 last year), and above the average of 1,542/yr since 2000. Other high counts included Scott Lake with 1,760 (907 last year, 752 average since 2000); Dodge City with 1,527 (637 last year, 558 average since 2000); and CNG with 522 (1,231 last year), which was below the average of 652 since 2000. Only eight counts (down from 11 last year) reported White-winged Dove, though overall numbers were up from 239 individuals last year to 363 this year. They have averaged 136/yr since 2000. As expected Garden City had a high of 325 (129 last year) individuals.

Red-headed Woodpeckers increased slightly from 221 individuals to 238 this year, below the average of 261 per/yr since 2000. The 128 Pileated Woodpeckers, is an all-time record, above last year's 121, an increase for the fifth year in a row, well above the average of 68 since 2000, and 60 since 1995. The 1,163 Downy Woodpeckers is down from last year's 1,268 individuals and below the 1,261/yr average since 2000.

All of the thrushes showed declines from last year. The 3,135 Eastern Bluebirds was a decrease from last year's 3,847. Mountain Bluebirds decreased from 751 to 268 individuals. Townsend's Solitaires dropped from 31 to 21 this year; Hermit Thrushes decreased from 75 last year to 38; and American Robins decreased from 40,024 last year to 5,995 this year.

Most counts reported low numbers of sparrows. Harris's Sparrows had a sharp decrease from 12,729 individuals to only 7,566 individuals. This is the third lowest numbers reported during the 2000's (7,010 in 2015, and 7,264 in 2014), and well below the averages of 10,414 since 2000, and 11,190 since 1995. Savannah Sparrows decreased from 404 last year to 138 this year (288 average since 2000).

The Northern Cardinal decreased slightly from 4,960 individuals to 4,869, though still above the average of 4,758 since 2000. The American Goldfinch increased slightly from last years 2,768 to 2,794, well below the average of 4,966 since 1995. Northern irruptive species varied this year: with 207 Red-breasted Nuthatches (102 last year) and 151 Purple Finches (70 last year), above the average of 143/yr since 2000. No Red Crossbills (318 last year) or Common Redpolls (for the third consecutive year) were reported this year. Pine Siskins decreased from last

year's 357 to 117, well below the average of 497/yr since 2000. The House Finch numbers increased from 1,968 individuals last year to 2,018, but below the average of 2,841 since 2000.

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 118th CBC, 29 Kansas counts were submitted to Audubon, which was 56% of the total counts conducted last year (Young, E.A., M.C. Thompson, C. Otte, B. Otto. 2018. The Winter Bird Count for 2017-2018. Kansas Ornith. Soc. Bull. 69[1]:1-24; and National Audubon Society. 2018. Summary of the 118th Christmas Bird Count, 2017-2018. Web page: <https://www.audubon.org/summary-118th-christmas-bird-count-2017-2018>. Accessed 2 March 2019). High national counts from Kansas included: 76 Northern Bobwhite at QNWR; 13 Harlan's Hawk at Manhattan; 12,552 Lapland Longspur at Dodge City; 1,606 Harris's Sparrow at Udall/Winfield; and 1,503,459 Red-winged Blackbirds at Cheyenne Bottoms (Ortego, B. 2018. The 118th Christmas Bird Count U.S. High Counts. Web page: <https://www.audubon.org/news/118th-christmas-bird-count-us-high-counts>. Accessed 1 March 2019).

COUNT DATA

Anthony. 37.152203° N -98.030160° W. Center as described in 2015. 20 December 2018; 8:00 a.m. to 5:30 p.m.; 37° F to 54° F. Wind NNW 17 to 33 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Four observers in 2 parties, plus one at feeders. Total party-hours 16.5 (2 on foot, 14.5 by car), plus two hours at feeders, plus 0.5 hours owling. Total party-miles 114 (2 on foot, 112 by car), plus 1 mile owling. Total 48 species; 15,597 individuals.

Tom Ewert, Elsie Fisher, Karl Herold, Mary Herold (compiler-herold4us@gmail.com).

Arkansas City. 37.038346° N -97.039315° W. Center as described in 1978. 22 December 2018; 8:00 a.m. to 5:30 p.m.; 28° F to 59° F. Wind N 0-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 4 parties. Total party-hours 28.25 (6.25 on foot, 22 by car), plus 2 hours owling. Total party-miles 225 (6 on foot, 219 by car), plus 31 miles owling. Total 71 species; 15,109 individuals.

Patti Marlett, Dave Reed, David Seibel, Faith Shapley, 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 2018; 7:15 a.m. to 5:00 p.m.; 24° F to 55° F, Wind SW 0-5mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties. Total party-hours 36.75 (4.5 on foot, 32.25 by car), plus 2.5 hours owling. Total party-miles 349.75 (3.75 on foot, 346 by car), plus 24 miles owling. Total 75 species; 7,245 individuals.

Richard Bean, Jan Boyd, Roger Boyd (compiler-rboyd@bakeru.edu), Bill Busby, Cal Cink, Scott Kimball, Barbara Pressgrove, Martin Pressgrove, Christopher Rogers, Bob Rose, Gary Sanden, Cordy Wesonig.

Benedictine Bottoms. 39.609167° N -95.134161° W. Center as described in 2006. 5 January 2019; 7:30 a.m. to 1:45 p.m.; 30° F to 57° F. Wind S to SW 5-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 19.2 (6.2 on foot, 13 by car) plus 5 hours at feeders, plus 3 hours owling. Total party-miles 135.2 (6.2 on foot, 129 by car), plus 25 miles owling. Total 59 species; 13,050 individuals.

John Bollin (compiler-bollinj@umkc.edu), Dan Larson, Camille Osborn, Chuck Osborn, Galen Pittman, John Schukman, Roxana Tosterud, Mary Wilcox, Virginia Winder.

Black Wolf. 38.769021° N -98.362339° W. Center as described in 1993. 12 January 2019; 8:00 a.m. to 5:00 p.m.; 28° F to 32° F. Wind N 10-25 mph. Still water partly open, moving water open; cloud cover a.m. overcast, light snow, p.m. 76-95%. Snow 6 inches. Five observers in 3 parties, plus 3 at feeders. Total party-hours 16 (3 on foot, 13 by car), plus 4 hours at feeders, plus 1 hour owling. Total party-miles 142 (3 on foot, 139 by car), plus 1 mile owling. Total 52 species; 18,747 individuals.

Brent Galliard, David Klema, Ben Nondorf, Carolyn Nondorf, Beth Ptacek, Ellen Rader, Mike Rader (compiler-mike_rader@hotmail.com), Roger Schultz.

Bonner Springs/Lansing. 39.179439° N -94.900504° W. Center as described in 1995. 16 December 2018; 7:00 a.m. to 5:30 p.m.; 27° F to 54° F. Wind S to NW 3-12 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, p.m. 0-25%. Twelve observers in 5 parties, plus 1 at feeders. Total party-hours 31.5 (9.75 on foot, 21.75 by car), plus 2 hours at feeders, plus 1.5 hours owling. Total party-miles 224 (4 on foot, 220 by car), plus 20 miles owling. Total 71 species; 11,820 individuals.

Henry Armknecht, John Bollin, Kathy Carroll, Kendall Cooper, Michael Cooper, Malcolm Gold, Barbara McAnany, Mel McAnany, Pat McAnany, Phil McAnany, Galen Pittman (compiler-galenpitt@gmail.com), John Schukman.

Cheyenne Bottoms. 38.434582° N -98.682986° W. Center as described in 2014. 17 December 2018; 8:00 a.m. to 4:30 p.m.; 30° F to 56° F. Wind S 5-14 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twenty-one observers in 7 parties. Total party-hours 36.5 (6.5 on foot, 30 by car), plus 1.5 hours owling. Total party-miles 310.75 (2.75 on foot, 308 by car), plus 8 miles owling. Total 81 species; 55,578 individuals.

Henry Armknecht, Levi Beaver, Karole Erikson, Katya Frank, Barry Jones, Ellen Jones, Don Kazmaier, Mandy Kern, Mike Manning, Pam Martin, Alexis Moss, Linda Penner, Robert Penner, Jenn Rader, Mike Rader, Keith Reif, Dan Rogers, Gene Schneewis, Kim Schneewis, Jason Wagner, Curtis Wolf (compiler-cjwolf@fhsu.edu).

Cimarron National Grasslands. 37.117119° N -101.896033° W. Center as described in 2015. 5 January 2019; 7:30 a.m. to 5:45 p.m.; 32° F to 61° F. Wind S to SSE 0 to 11 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. One observer in 1 party. Total party-hours 10.25 (4 on foot, 6.25 by car). Total party-miles 73 (3 by foot, 70 by car). Total 36 species; 1,483 individuals.

Steve Kingswood, Max Thompson (compiler-maxt@cox.net, non-participant).

Clark County. 37.398144° N -99.913001° W. Center as described in 2010. 19 December 2018; 8:00 a.m. to 5:00 p.m.; 24° F to 35° F. Wind NW to N 8 to 23 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast, p.m. 26-50%. Three observers in 2 parties. Total party-hours 12 (3 on foot, 9 by car), plus 2 hours owling. Total party-miles 141 (1 on foot, 140 by car), plus 20 miles owling. Total 55 species; 8,689 individuals.

Henry Armknecht, Dan Larson, Galen Pittman (compiler-galenpitt@gmail.com).

Council Grove. 38.685573° N -96.506701° W. Center as described in 2010. 5 January 2019. 7:30 a.m. to 4:15 p.m.; 29° F to 62° F. Wind S to N 0-5 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 4 parties, plus 2 at feeders. Total party-hours 33 (11 on foot, 22 by car), plus 4 hours at feeders, 1 hour owling. Total party-miles 244 (24 on foot, 220 by car), plus 11 miles owling. Total 87 species; 24,466 individuals.

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

Dodge City. 37.777060° N -100.012287° W. Center as described in 1985. 30 December 2018; 7:30 a.m. to 5:15 p.m.; 5° F to 41° F. Wind S to SW 10-20 mph. Still water partly open, moving water partly open; cloud cover, a.m. 26-50%, p.m. 26-50%. Snow 0.25 inches. Fourteen observers in 5 parties. Total party-hours 34.5 (8.25 on foot, 26.25 by car), plus 1 hour owling. Total party-miles 276.5 (6.5 on foot, 270 by car), plus 20 miles owling. Total 68 species, 33,345 individuals.

Irma Ailon, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Cody Farra, Colton Farra, Shalor Laws, Christi McMillen, Kurt Meier, Art Nonhof, Mike Ramsey, Sara Shane, Tom Shane, Cassie Wells, John Zempel, Linda Zempel.

El Dorado Lake. 37.841944° N -98.818611° W. Center as described in 2003. 18 December 2018; 8:00 a.m. to 4:30 p.m.; 37° F to 57° F. Wind S 10-15 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 51-75%. Six observers in 4 parties, plus 2 at feeders. Total party-hours 30.6 (5.6 on foot, 25 by car), plus 1 hour at feeders. Total party-miles 285.6 (5.6 on foot, 280 by car). Total 74 species, 8,183 individuals.

Vickie Cikanek, Tom Ewert, Patty Marlett, Jim Nickel, Atcha Nolan (compiler-qanolan@cox.net), Mike Nolan, Carolyn Schwab, Curt VanBoening.

Emporia. 38.448579° N -96.079284° W. Center as described in 1985. 16 December 2018; 7:00 a.m. to 6:00 p.m.; 23° F to 58° F. Wind NW 0-5 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eleven observers in 4 parties, 1 at feeders. Total party-hours 28.5 (13.5 on foot, 15 by car), plus 10 hours at feeders, plus 1.5 hours owling. Total party-miles 176 (11 on foot, 165 by car), plus 3 miles owling. Total 84 species; 16,866 individuals.

Kevin Church, Brandon Clark, Roger Ferguson, Sherry Ferguson, Bill Jensen (compiler-wjensen1@emporia.edu), Michelle Kessler, Owen Kessler, Kay McKnab, Paul McKnab, Alexis Powell, Kylee Sharp, Jera Wolke.

Fort Riley. 39.160000° N -96.775000° W. Center as described in 2008. 14 December 2018; 7:00 a.m. to 4:00 p.m.; 28° F to 50° F. Wind NW to N 3-12 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Thirteen observers in 8 parties. Total party-hours 54 (19.5 on foot, 27.5 by car, 7 by UTV). Total party-miles 376.6 (21.2 on foot, 317.1 by car, 38.3 by UTV). Total 76 species; 3,954 individuals.

Susi Algrim, Tom Duckworth, Mike Houck (compiler-mike.p.houck.civ@mail.mil), Livvy Jones, Jeff Keating, Josh Keating, Kelsey McCullough, Brian Monser, Derek Moon, Chris O'Meilia, Chuck Otte, Chris Thornton, Steve Wahle.

Garden City. 37.916637° N -100.801463° W. Center as described in 2001. 5 January 2019; 7:30 a.m. to 5:30 p.m.; 28° F to 55° F. Wind S 3-6 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Sixteen observers in 8 parties, plus 5 at feeders. Total party-hours 37.25 (6.5 on foot, 30.75 by car), plus 17.25 hours at feeders. Total party-miles 342 (4 on foot, 338 by car). Total 69 species; 130,639 individuals.

Ann Caballero, Armando Caballero, Jeff Calhoun, Barbara Campbell, Bob Campbell, Donna Gigot, Joe Hohendorf, Kurtis Meier, Kari Mueller, Art Nonhof, Karen Nonhof, Kurt Osterbuhr, Marie Osterbuhr, Ron Osterbuhr, Mike Ramsey (compiler-ramsey.hmbcr@sbcglobal.net), Pamela Ramsey, Rance Schreiber, Carolyn Schwab, Sara Shane, Tom Shane.

Halstead/Newton. 38.043040° N -97.472938° W. Center as described in 1970. 15 December 2018; 7:00 a.m. to 5:00 p.m.; 23° F to 54° F. Wind NNE to SSE 6-9 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 6 parties, plus 2 at feeders. Total party-hours 37 (16.52 on foot, 20.48 by car) plus 5.5 hours at feeders, plus 0.23 hours owling. Total party-miles 230.56 (14.16 on foot, 216.4 by car), plus 0.23 miles owling. Total 72 species; 47,895 individuals.

Fred Bartel, Gregg Friesen, Brad Guhr, Lorna Harder (compiler-lornajhh@gmail.com), Greta Hiebert, Harvey Hiebert, Scott McCloud, Aileen McCune, Kyle Miller, Jim Nickel, Dwight Platt, Carolyn Schwab, Joe Soukup, Rod Wedel.

Hays. 38.834547° N -99.401859° W. Center as described in 1987. 15 December 2018; 7:50 a.m. to 3:00 p.m.; 18° F to 54° F. Wind SE to S 7-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 51-75%, p.m. 26-50%. Twelve observers in 5 parties. Total party-hours 21 (10.2 on foot, 10.8 by car). Total party-miles 202.1 (10.1 on foot, 192 by car). Total 49 species; 5,725 individuals.

Medhavi Ambaradar (compiler-m_ambardar@fhsu.edu), Max Biringier, Erica Clark, Katya Frank, Scout Harrison, David Levering, Kim Perez, David Schneider, Dean Stramel, Jim Strine, Nick Varvel, Leslie Watson.

Holton. 39.463006° N -95.725506° W. Center as described in 2011. 29 December 2018; 7:30 a.m. to 3:15 p.m.; 16° F to 23° F. Wind, N 0-5 mph. Still water partly open, moving water open; cloud cover a.m., overcast, p.m. 76-95%. Ten observers in 4 parties. Total party-hours 22.5 (0.5 on foot, 22 by car). Total

party-miles 182.2 (0.2 on foot, 182 by car). Total 56 species; 3,977 individuals.

Judy Billings, Denise Eulert, Sam Mannell, Terry Mannell, Debbie McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Janeen Walters.

John Redmond Reservoir. 38.274807° N -95.820825° W. Center as described in 1993. 15 December 2018; 7:30 a.m. to 4:30 p.m.; 22° F to 55° F. Wind N to NE 0-6 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Sixteen observers in 7 parties, plus one at feeders. Total party-hours 31.5 (5.5 on foot, 26 by car), plus 1 hour at feeders, plus 2 hours owling. Total party-miles 322 (7 on foot, 315 by car), plus 10 miles owling. Total 86 species; 84,136 individuals.

Barb Busenberrick, Judy Carey, Bob Culbertson (compiler-rculbertson@kaws.org), Carol Culbertson, Adrienne Fleming, Wes Fleming, Matt Gearheart, Eugene Goff, Malcolm Gold, Alex Lyon, Ethan Newman, Kelly Newman, Bill Scott, Kay Scott, Art Swalwell, Dan Williamson.

Junction City. 39.000566° N -96.880836° W. Center as described in 1992. 30 December 2018; 7:45 a.m. to 5:00 p.m.; 20° F to 46° F. Wind S 3-17 mph. Still water partly open, moving partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties, plus 1 at feeders. Total party-hours 19.75 (5 hours on foot, 14.75 hours by car), plus 0.5 hours at feeders, plus 1 hour owling. Total party-miles 190.5 (2 miles on foot, 188.5 by car), plus 11 miles owling. Total 66 species; 5,156 individuals.

Marcia Abbick, Henry Armknecht, Jeff Keating (feeder), Cody Knudson, Chuck Otte (compiler-otte2@cox.net), Jaye Otte, Jenn Rader.

Kanopolis Reservoir. 38.609862° N -97.89526° W. Center as described in 1983. 15 December 2018; 8:00 a.m. to 5:00 p.m.; 20° F to 49° F. Wind NW to W 5-10 mph. Still water partly open, moving water partly open; snow 0.5 inches; cloud cover a.m. 0-25%, p.m. 26-50%. Five observers in 3 parties. Total party-hours 23 (9 on foot, 14 by car). Total party-miles 220.25 (3.25 on foot, 217 by car). Total 82 species; 7,831 individuals.

Dave Klema, Robert Kruger (compiler-robertkru@gmail.com), Mike Rader, Roger Schultz, Luke Whitfield.

Kirwin. 39.689633° N -99.122307° W. Center as described in 1994. 24 December 2018; 8:00 a.m. to 5:45 p.m.; 21° F to 42° F. Wind S to N 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 76-95%, p.m. overcast. Three observers in 2 parties. Total party-hours 14.8 (1.3 on foot, 13.5 by car). Total party-miles 114.5 (1.5 on foot, 113 by car). Total 74 species; 14,842 individuals.

Henry Armknecht, Byron Grauerholz (compiler-blgrauerholz@yahoo.com), Shannon Rothchild.

Lawrence. 38.993330° N -95.311110° W. Center as described in 1981. 15 December 2018; 7:00 a.m. to 5:00 p.m.; 21° F to 54° F. Wind S 0-5 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast, p.m. 0-25%. Thirty-two observers in 10 parties, plus 6 at feeders. Total party-hours 93 (32.5 on

foot, 54.5 by car), plus 15 hours at feeders, 6.5 hours owling, and 6 hours by ATV. Total party-miles 489 (31 on foot, 441 by car), plus 19 miles owling, plus 17 miles by ATV. Total 95 species; 15,219 individuals.

Bob Antonio, Jill Barringer, Kelly Barth, Roger Boyd, Bill Busby, Pam Chaffee, Cal Cink, Wayne Dahl, Devon DeRaad, Kathy Ellis, Lisa Grossman, Peter Grund, Fred Gutknecht, Joe Harrington, Susan Iverson, David Kirsch, Ben Krebs, Merina Leon, Sienna Leon, Susan McNally, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Christopher Rogers, Stan Roth, Bob Rucker, Dawn Sharp, Kylee Sharp, Pat Wakeman, Phil Wedge, Joyce Wolf, Ron Wolf, Molly Zahn.

Leavenworth-Atchison. 39.389810° N -95.011063° W. Center as described in 1992. 29 December 2018; 7:00 a.m. to 5:00 p.m.; 19° F to 27° F. Wind W to NW 6-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, p.m. 26-50%. Eleven observers in 5 parties plus 2 at feeders. Total party-hours 35 (5.5 on foot, 29.5 by car), plus 3 hours at feeders, plus 0.5 hours owling. Total party-miles 289 (4 on foot, 285 by car), plus 3 miles owling. Total 76 species; 37,138 individuals.

Ann Bolin, John Bollin III, Michelle Loeffler-Bollin, Mike Bollin, Helen Hewins, Nancy Leo, Brad Painter, Clay Painter, Jess Painter, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com), Brian Voorhees, Dave Williams.

Linn County. 38.286910° N -94.752250° W. Center as described in 2016. 21 December 2018; 7:15 a.m. to 4:30 p.m.; 30° F to 50° F. Wind NW 5-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 26-50%. Sixteen observers in 6 parties. Total party-hours 47.5 (2.5 on foot, 45 by car), plus 0.75 hours owling. Total party-miles 374 (3 on foot, 371 by car), plus 9 miles owling. Total species 86; 315,538 individuals.

Jan Boyd, Roger Boyd (compiler-rboyd@bakeru.edu), Kathy Ellis, Randy Ivey, Scott Kimball, Micky Louis, Mick McHugh, Galen Pittman, Janet Reynolds, Rose Reynolds, Ruth Reynolds, John Schukman, Cordy Wesonig, Karen Willey, John Zempel, Linda Zempel.

Manhattan. 39.188659° N -96.580997° W. Center as described in 1993. 15 December 2018; 7:15 a.m. to 5:30 p.m.; 19° F to 38° F. Wind NW to S 0-8 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Forty-three observers in 22 parties, plus 5 at feeders. Total party-hours 105.9 (42 on foot, 63.9 by car), plus 12.7 hours at feeders, plus 2.3 hours owling. Total party-miles 562.8 (42.8 on foot, 520 by car), plus 10.2 miles owling. Total 88 species; 23,465 individuals.

Susan Allen, Susan Blackford, Alice Boyle, Doris Burnett, Elizabeth Dodd, Kevin Fay, Ann Feyerharm, Dena Friesen, Kay Garrett, Gary Haden, Joe Hawes, Jane Hebert, Chod Hedinger, Angela Hubler, Cindy Jeffrey, Gary Jeffrey, Lowell Johnson, Duane Kerr, Gary Kerr, James Koelliker, Marilynn Koelliker, Brandon Magette, Mark Mayfield (compiler-markherb@ksu.edu), Bob Mohr, Marge Muenzenberger, Dan Mulhern, Cathy Musick, Doug Musick, Chuck Otte, Ed Pembleton, Sil Pembleton, Dave Rintoul, Austin Roe, John Row, Sam Schermerhorn, Thomas Schermerhorn, Troy Schremmer, Jim Shroyer, Dylan Smith, Gayla Snyder, Gerry

Snyder, Elisabeth Vanderlip, Mary Kate Wilcox, Sarah Winnicki, Kimberly With, Patricia Yeager.

Marion. 38.377227° N -97.074830° W. Center as described in 1993. 29 December 2018; 8:00 a.m. to 4:30 p.m. 17° F to 28° F. Wind N 1-7 mph. Still water partly open, moving water partly open; cloud cover a.m. 51-75%, p.m. 26-50%. Eight observers in 4 parties, plus 1 at feeders. Total party-hours 32.5 (11.5 on foot, 21 by car), plus 1 hour at feeders, plus 0.5 hours owling. Total party-miles 301.25 (17.25 on foot, 284 by car), plus 10 miles owling. Total 79 species; 10,235 individuals.

Todd Becker, Doug English, Tom Ewert (compiler-trewert@yahoo.com), Gregg Friesen, Bob Hoopes, Cheryl Miller, Jim Nickle, Rod Wedel, Gerald Wiens.

Melvern Reservoir. 38.497600° N -95.790205° W. Center as described in 2013. 17 December 2018; 7:30 a.m. to 4:40 p.m.; 31° F to 55° F. Wind S to N 0-5 mph. Still water open, moving water open; a.m. cloud cover 0-25%, p.m. 0-25%. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 39 (8 on foot, 31 by car), plus 3 hour at feeders, plus 1 hour owling. Total party-miles 255 (23 on foot, 232 by car), plus 11 miles owling. Total 91 species; 6,952 individuals.

Jennifer Aldridge, Glenn Caspers, Steve Howard, Steve Jennings, Jim Malcom (compiler-iambirding@prodigy.net), Jordan Middleton, Elmer Schroeder, Katherine Schroeder, Mike Thomas.

Olathe. 38.912700° N -94.852157° W. Center as described in 1987. 29 December 2018. 7:30 a.m. to 4:30 p.m.; 15° F to 27° F. Wind NW 2-8 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 51-75%. Twenty-one observers in 7 parties, plus 2 at feeders. Total party-hours 46.75 (25.75 on foot, 21 by car), plus 1.25 hours at feeders, plus 1.5 hours owling. Party-miles 204.75 (31.25 on foot, 173.5 by car), plus 8 miles owling. Total 73 species; 9,023 individuals.

Nic Allen, Tony Andresen, Henry Armknecht, Aaron Batterbee, Walt Cochran, Matt Gearheart, Tim Hickock, Mark Land, Micky Louis, Tammi Maffitt, John Mallery, Amy Phillips, Jacob Riggs, Colleen Salmen, Terry Swope, Mark Tarry, Jarrett Thurman, Jim Walton, Jeff Witters (compiler-bioguy.witters@gmail.com), Lani Witters, Rodney Wright, Missy Yates.

Olsburg. 39.428262° N -96.644070° W. Center as described in 1991. 21 December 2018; 7:45 a.m. to 5:30 p.m.; 25° F to 47° F. Wind SW to NE 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties. Total party-hours 28 (3 on foot, 25 by car). Total party-miles 204 (4 on foot, 200 by car). Total 59 species; 3,905 individuals.

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. 16 December 2018; 6:45 a.m. to 5:00 p.m.; 20° F to 58° F. Wind WNW 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twenty-three observers in 8 parties. Total party hours 56.5 (12.5 on foot, 44

by car), plus 0.5 hours owling. Total party-miles 353 (15 by foot, 338 by car), plus 8 miles owling. Total 81 species; 17,623 individuals.

Bob Antonio, Richard Bean, Judy Billings, Jay Bredwell, Pam Chaffee, Peter Grund, Betsy Harlan, Susan Iversen, Jennifer Jones, Karen Kramer, Nick Kramer, Mike Laird, Debby McKee, Sue Newland, Mark Pheasant, Genevieve Rucker, Bob Rucker, Sarah Rucker, Roseanne Smith, Janeen Walters, Bunnie Watkins (compiler-ranger_rabbit@sbcglobal.net), Eric Youngquist, Molly Zahn.

Parsons. 37.478425° N -95.260380° W. Center as described in 1996. 22 December 2018; 7:00 a.m. to 5:30 p.m.; 35°F to 54°F. Wind N to NE 3-8 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 6 parties, plus 3 at feeders. Total party-hours 51.5 (12 on foot, 39.5 by car), plus 7 hours at feeders, plus 3 hours owling. Total party-miles 243.5 (16.5 on foot, 227 by car), plus 10 miles owling. Total 100 species; 60,505 individuals.

Don Barcus, Jay Bowen, Jayden Bowen, Andrew Burnett (compiler-aburnett9180@gmail.com), Meleia Burnett, James Caldwell, Jeff Cox, Andrew George, Royce Guhr, Joe Jones, Julie Johnson, Mary McNett, Ed Miller, Maggie Murray, Carolyn Schwab, Carrie Tierney, Rick Tucker.

Quivira National Wildlife Refuge. 38.145925° N -98.491804° W. Center as described in 1972. 14 December 2018; 7:15 a.m. to 5:45 p.m.; 25°F to 50°F. Wind N 8-16 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twenty-three observers in 6 parties. Total party-hours 44 (16 on foot, 28 by car), plus 1 hour owling. Total party-miles 229 (10 on foot, 219 by car), plus 5 miles owling. Total 91 species; 108,133 individuals.

Henry Armknecht, Levi Beaver, Emily Davis, Tom Ewert, Benjamin Garrett, Bob Gress, Leon Hicks, Barry Jones, Dan Larson, Patty Marlett, Gary Northwall, Robert Penner, Mike Rader (compiler-mike_rader@hotmail.com), Lyndzee Rhine, Dave Rintoul, Mark Rogers, Rachel Roth, Kirsten Schaffer, Carolyn Schwab, Curt VanBoening, Art Weigand, Deb Williams, Curtis Wolf.

Red Hills. 37.234191° N -98.686843° W. Center as described in 1994. 30 December 2018; 7:45 a.m. to 5:45 p.m.; 22°F to 35°F. Wind N 5-10 mph. Still water partly open, moving water open; cloud cover a.m. 51-75%, p.m. 0-25%. Eleven observers in 4 parties. Total party-hours 38 (8 on foot, 30 by car), plus 3.5 hours owling. Total party-miles 288 (7 miles on foot, 281 by car), plus 21 miles owling. Total 85 species; 26,246 individuals.

Ken Brunson, Lee Ann Brunson, Pete Janzen (compiler-pete.janzen@sbcglobal.net), Bill Jensen, Patty Marlett, Zach Poland, Jane Queal, Stan Roth, Lauren Sill, Rick Spurgeon, Curt VanBoening.

St. Mary's. 39.1941° N -96.071091° W. Center as described 2017. 1 January 2019; 7:30 a.m. to 5:30 p.m.; 16°F to 19°F. Wind NW 5-14mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. overcast. Fifteen observers in 7 parties, plus 1 at feeders. Total party-hours 42.25 (1.75 by foot, 40.5 by car), plus 3 hours at feeders, plus 2 hours owling. Total party-miles 411.5 (2.5 on foot, 409 by

car), plus 46 miles owling. Total 67 species; 27,100 individuals.

Dallas Alexander, Judy Billings, Coleen Brown, Jeff Hansen (compiler-jeff.hansen.sd@gmail.com), Doug Helmke, Debra McKee, Carol Morgan, Sue Newland, Mark Pheasant, Chad Phillips, Annamaria Reiser, Sam Schermerhorn, Tom Schermerhorn, Carla Trecek, Janeen Walters.

Salina. 38.841702° N -97.630868° W. Center as described in 1983. 15 December 2018; 8:00 a.m. to 5:00 p.m.; 21° to 59°F. Wind NW to SE 8 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Sixteen observers in 4 parties. Total party-hours 34 (3 on foot, 31 by car). Total party-miles 303.5 (3 on foot, 300.5 by car). Total 69 species; 513,612 individuals.

Aaron Anders, Daniel Baffa (compiler-danbaffa1@yahoo.com), Pat Butler, Steve Cassel, Byron Graureholz, Dave Haight, Kevin Haight, Glenda Hopkins, Kaleb Kroeker, Evelyn League, Elizabeth Motter, Bonnie Neubrand, Mark Neubrand, Shannon Rayl, Doug Rudick, Chris Slubowski.

Sawyer. 37.529075° N -98.702457° W. Center as described in 1990. 20 December 2018; 7:15 a.m. to 5:30 p.m.; 36°F to 53°F. Wind NNW to N 18 to 27 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seventeen observers in 5 parties, plus 1 at feeders. Total party-hours 23 (3.5 on foot, 19.5 by car), plus 2 hours at feeders. Total party-miles 155.5 (2 on foot, 153.5 by car). Total 67 species; 5,941 individuals.

Henry Armknecht, Aaron Austin, Kevin Becker, Ken Brunson, Jeff Conley, Zack Cordes, Zac Eddy, Ludi Egging, Tanna Fanshier, Annie Fischer, Mike Hassler, Chelsea Hofmeier, Jordan Hofmeier (compiler-jordan.hofmeier@ks.gov), Jane Queal, Loren Queal, Mike Rader, Ryan Waters.

Scott Lake. 38.583882° N -100.907423° W. Center as described in 1987. 15 December 2018; 7:30 a.m. to 4:45 p.m.; 16°F to 61°F. Wind S 3-20 mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. 76-95%. Thirteen observers in 5 parties, plus 1 at feeders. Total party-hours 37.5 (14 on foot, 23.5 by car), plus 4 hours at feeders, plus 4 hours owling. Total party-miles 210 (14.75 on foot, 195.25 by car), plus 2.5 mile owling. Total 69 species; 7,233 individuals.

Abbey Athen, Terri Brace, Coleen Brown, Jeff Calhoun, Kylee Hawkinson, Kurt Meier, Marie Osterbuhr, Mike Ramsey, Pamela Ramsey, Sara Shane (compiler-sjns4422@gmail.com), Tom Shane, Susan Shearer, Brittany Smith, Carla Trecek.

Sedan. 37.145072° N -96.163494° W. Center as described in 2016. 21 December 2018; 8:15 a.m. to 4:00 p.m.; 33°F to 59°F. Wind W 5 to 10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 31.75 (4 on foot, 27.75 by car), plus 2 hours at feeders. Total party miles 189.2 (3.2 on foot, 186 by car). Total 70 species; 3,467 individuals.

Jeff Calhoun, Vickie Cikanek, Jane Doris, Tom Ewert, 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. 19 December 2018; 7:30 a.m. to 5:30 p.m.; 39°F to 49°F. Wind S 0-15 mph. Still water open, moving water open; cloud cover a.m. foggy, overcast, p.m. overcast. Five observers in 3 parties. Total party-hours 26.75 (4 on foot, 22.75 by car), plus 2 hours owling. Total party-miles 236.7 (3.8 on foot, 232.9 by car), plus 25 miles owling. Total 94 species; 150,217 individuals.

Patty Marlett, Travis Ross, Faith Shapley, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

Southeast KS Mined Land. 37.230288° N -94.968988° W. Center as described in 1992. 1 January 2019; 7:45 a.m. to 4:30 p.m.; 24°F to 26°F. Wind N 5-10 mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. overcast. Ten observers in 5 parties. Total party-hours 31 (2.25 on foot, 28.75 by car). Total party-miles 170.15 (1.75 on foot, 168.4 by car). Total 56 species; 3,815 individuals.

Mavis Benner, Ray Benner, Wayne Bockelman, Megan Corrigan, Cindy Ford, Steven Ford (compiler-sford@gus.pittstate.edu), Andrew George, Ron Huebner, Elizabeth Mangile, Robert Mangile.

Tallgrass Prairie National Preserve. 38.434226° N -96.559501° W. Center as described in 2010. 10 January 2019; 9:00 a.m. to 4:00 p.m.; 29°F to 50°F. Wind S to N 4-15 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 0-25%. Eleven observers in 3 parties. Total party-hours 13 (7.75 on foot, 5.25 by car). Total party-miles 42.5 (4 on foot, 38.5 by car). Total 36 species; 2,002 individuals.

Eric Bird, Brandon Clark, Tom Gross, Owen Harbison, Cathy Hoy, Jim Hoy, Michele Kessler (compiler-michelekessler0@gmail.com), Darin McCullough, Brian Obermeyer, Chris Smith, Jera Wolke.

Topeka. 39.048198° N -95.678162° W. Center as described in 1972. 15 December 2018; 7:30 a.m. to 5:00 p.m.; 29°F to 55°F. Wind NW to N 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twenty-seven observers in 10 parties, plus 3 at feeders. Total party-hours 63 (19 on foot, 44 by car), plus 5.5 hours at feeders, plus 0.75 hours owling. Total party-miles 354 (17 on foot, 337 by car), plus 0.2 miles owling. Total 79 species; 13,308 individuals.

Judy Billings, Susan Bjerke, Diana Busey, Deb Butz, Randy Carman, Carolyn Frye, Raymond Frye, Kelly Haller, Jeff Hansen, Jennifer Jones, Dan Larson, Sam Mannell, Terry Mannell, Robert McElroy, Daniel McKee, Debra McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Kevin Morgan, Sue Newland, Mark Pheasant, Julia Pollom, Melody Pollom, Kim Sain, Rhonda Simpson, Barbara Smith, Vivien Smith, Katie VanBlaricum, Janeen Walters, John Zempel, Linda Zempel.

Udall/Winfield. 37.264828° N -96.973753° W. Center as described in 1972. 16 December 2018; 8:00 a.m. to 5:00 p.m.; 26°F to 61°F. Wind N to NW 0-8 mph. Still water open, moving water open; a.m. 0-25%, p.m. 0-25%. Twelve observers in 6 parties, plus 1 at feeders. Total party-hours 53.75 (3 on foot, 50.75 by car), plus 1 hour at feeders, plus 4.25 hours owling. Total party-miles 517.7 (3 on foot, 514.7 by

car), plus 61.7 miles owling. Total 99 species; 33,491 individuals.

Betty Anderson, Duane Anderson, Terry Barnett, Jane Doris, Kevin Groeneweg, David Herrin, Sue Kill, David Reed, Travis Ross, David Seibel, Max Thompson (compiler-maxt@cox.net), Eugene Young.

Waconda Lake. 39.466249° N -98.358460° W. Center as described in 1992. 23 December 2018; 7:30 a.m. to 5:30 p.m.; 25° F to 46° F. Wind S to W 0-2 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 5 parties. Total party-hours 35 (9.5 on foot, 25.5 by car), plus 0.5 hours owling. Total party-miles 342.5 (2.5 on foot, 340 by car), plus 15 miles owling. Total 81 species; 88,462 individuals.

Henry Armknecht (compiler-armknecht@ruratel.net), Kathy Carroll, Jared Engelbert, Leon Hicks, Mike Rader, Carolyn Schwab, Scott Seltman.

Wakefield. 39.220150° N -96.966367° W. Center as described in 1993. 16 December 2018; 7:30 a.m. to 3:30 p.m.; 27° F to 57° F. Wind N 0 to 8 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Four observers in 2 parties, plus one at feeders. Total party-hours 12 (1.5 on foot, 10.5 by car), plus 2 hours at feeders, plus 0.5 hours owling. Total party-miles 109 (1 on foot, 108 by car), plus 10 miles owling. Total 60 species; 5,281 individuals.

Marcia Abbick, Doris Burnett, Chod Hedinger, Chuck Otte (compiler-otte2@cox.net), Jaye Otte.

Webster Reservoir. 39.423129° N -99.407639° W. Center as described in 1992. 5 January 2019; 7:15 a.m. to 5:00 p.m.; 27° F to 62° F. Wind W to E 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Six observers in 4 parties. Total party-hours 21 (7.5 on foot, 13.5 by car). Total party-miles 220 (2 on foot, 218 by car). Total 81 species; 101,326 individuals.

Malaura Deeter, Alan Neal, Ellen Rader, Mike Rader (compiler-mike_rader@hotmail.com), Scott Seltman, Michael Zajic.

Wichita. 37.691340° N -97.349680° W. Center as described in 1955. 15 December 2018; 7:30 a.m. to 5:00 p.m.; 23° F to 57° F. Wind N to S 0-12 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 6 parties, plus 1 at feeders. Total party-hours 46.5 (25 on foot, 20 by car), plus 1.5 by golf cart, plus 3 hours at feeders, plus 1 hour owling. Total party-miles 317.5 (28 on foot, 286 by car), plus 3.5 by golf cart, plus 9 miles owling. Total 93 species; 42,018 individuals.

Henry Armknecht, Jeremy Birket, Tom Ewert, Harry Gregory, Sharon Gregory, Bob Gress, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Steve Hoffhine, Pete Janzen, Douglas Lamoureaux, Patty Marlett, Cheryl Miller, Dale Roark, Curt VanBoening, Art Weigand.

Wilson Lake. 38.944288° N -98.571752° W. Center as described in 1994. 16 December 2018; 7:15 a.m. to 6:00 p.m.; 25° F to 55° F. Wind N 5-12 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve

observers in 7 parties. Total party-hours 39 (20 on foot, 19 by car), plus 1 hour owling. Total party-miles 320 (17 on foot, 303 by car), plus 1 mile owling. Total 100 species; 464,522 individuals.

Terry Ayers, Tom Cannon, Leon Hicks, David Klema, Cody Knudson, Robert Penner, Ellen Rader, Jennifer Rader, Mike Rader (compiler-mike_rader@hotmail.com), Roger Schultz, Carolyn Schwab, Scott Seltman.

Yoder. 37.897589° N -97.866716° W. Center as described in 2000. 18 December 2018; 7:00 a.m. to 5:00 p.m.; 35° F to 50° F. Wind N to S 8-14 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 26-50%. Fourteen observers in 6 parties. Total party-hours 30.75 (13 foot, 17.75 by car), 0.5 hours owling. Total party-miles 222 (5 on foot, 217 by car), plus 1 mile owling. Total 68 species; 16,147 individuals.

Allen Asmussen, Levi Beaver, Stephanie Carlson, Kris Davis, Daniel Dyck, Linda Dyck, John Gallagher (compiler-jgallagher@hutchrec.com), Steven Kinser, Dwight Miller, Michael Miller, Sarah Parsons, Luke Schawe, Scott Seltman, Jim Smith.

Table 1. 2018-2019 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				8224	150	90	16900		10	433	184		456	13
Snow Goose White form		1					372	21				1	2600	81
Snow Goose Blue form							166	1			7		440	28
Ross's Goose		2		2		1	156			6			5	
Greater White-fronted Goose		16		308	1	1	1205			32	166		1	
Cackling Goose	8	1195	46	110	55	286	266	2		1800	794	132	314	37
Canada Goose	203	1340	1704	2950	400	8125	3237	4		7800	1010	1232	4359	394
Trumpeter Swan				19		12								
Wood Duck												2		
Blue-winged Teal														
Northern Shoveler	20		1	20		12	23	8					70	6
Gadwall	1	54	20	10		17	75			5		79	2	CW
American Wigeon		1					3			3	1		1	CW
Mallard	2	2787	281	76	12	1065	1822	23	3	1200	90	343	2953	60
Northern Pintail							67			1	2		1	
Green-winged Teal				1		1	70			12		33		
Canvasback					CW						1		53	2
Redhead				1	5		8			3		7		20
Ring-necked Duck			20	4		14				24	1	9	11	CW
Greater Scaup														
Lesser Scaup				2			14			43			2	3
Surf Scoter														
Black Scoter												7		
Long-tailed Duck														
Bufflehead		1	8			2	3			12		9		2
Common Goldeneye			23	38	CW	62	161	7		367		325	53	43
Barrow's Goldeneye														
Hooded Merganser		10	191			6	3			87	1	33	19	1
Common Merganser			4		CW	8	397			1200		8	3	6
Red-breasted Merganser										2		4	5	
Ruddy Duck			2				CW			5			1	
duck species							250							13
Northern Bobwhite				12	CW		2	47		13	1		8	26
Ring-necked Pheasant	9				CW		6	2			33		CW	1
Greater Prairie-Chicken					CW		1			5			4	12
Wild Turkey			64	CW	120	6	361		8	32		29		21
Pied-billed Grebe		1				2							1	
Horned Grebe														
Clark's Grebe														
Rock Pigeon	7	58	35	16	32	60	63	31	39	86	1801	21	132	34
Eurasian Collared-Dove		14	17		75	15	158	522	235	3	1527	6	16	2
Inca Dove														
White-winged Dove							12	6	4		7			
Mourning Dove	3	33	53	17	8	210	2	124	110	45	135	11	9	32
Virginia Rail									3					
American Coot					3		18							
Sandhill Crane														
Killdeer														
Wilson's Snipe														
Greater Yellowlegs														
Black-legged Kittiwake														
Bonaparte's Gull														
Ring-billed Gull		4	53		CW	5	241			122	2	2030	368	106
Herring Gull							65			5		1	6	45
Iceland Gull														
Lesser Black-backed Gull														
gull species							213							
Common Loon														
Neotropic Cormorant													1	
Double-crested Cormorant		1												
American White Pelican														
Great Blue Heron	4	4	3			4	17		4	6	2	8	3	3
Great Egret														
Black-crowned Night-Heron														
Turkey Vulture												1		1
Golden Eagle														
Northern Harrier	12	10	6	2	16	4	98	3	17	19	44	18	17	38
Sharp-shinned Hawk		2	1		CW	2	4	2	1	2	3	1	2	2
Cooper's Hawk					1	1	4	2	1	6	3	4	2	3
Accipiter species														
Bald Eagle Adults	1	7	4	15	2	3	12		1	23		3	13	36
Bald Eagle Immatures		2		12		2	5			9			1	21
Red-shouldered Hawk		17	22	1		5				9		3	7	2
Red-tailed Hawk	26	75	120	84	16	54	75	14	8	112	83	47	51	86
Harlan's Hawk	1	6	6	2									2	3
Rough-legged Hawk					CW		3			3		1	7	5
Ferruginous Hawk								2			1			
Buteo species													1	
Barn Owl							3				2			
Eastern Screech-Owl		2	1		CW		2			1	4		4	
Great Horned Owl	1	7	6	3	CW	4	8	3	1	3	16		7	
Barred Owl		14	9	2	CW	2			3	8		2	7	3
Long-eared Owl					1			1				1	2	
Short-eared Owl					CW					4			1	
Belted Kingfisher		1	3	1	CW	2	2			1		5	4	3
Red-headed Woodpecker				11		7								2
Red-bellied Woodpecker	1	39	57	24	14	37	8		2	98	7	25	14	40
Yellow-bellied Sapsucker				3		2				4			1	2
Downy Woodpecker	1	22	39	16	18	26	8	CW	4	45	13	35	15	17
Hairy Woodpecker		1	11	4	4	2	8		3	4	1	4	7	3
Northern Flicker Unidentified	3	16			10		31			29	20	16	16	34

Table 1. 2018-2019 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	4	43	30	2	13	18	2	7	36	3	2	1	29
Northern Flicker Red-shafted		3				1	6	CW		2	7	1	3	13
Pileated Woodpecker		4	7	1		3				7		6	6	3
American Kestrel	4	12	27	12	7	12	17	6	13	13	16	6	13	13
Merlin							3		3	1	3			2
Peregrine Falcon														
Prairie Falcon					1		8				2		1	
<i>Falco</i> species		1												
Eastern Phoebe														
Say's Phoebe											1			
Loggerhead Shrike	1		4				1	1		2	1	1	4	
Northern Shrike											2	1		1
Blue-headed Vireo														
Blue Jay		32	105	62	14	66	1			56	1	14	32	34
Black-billed Magpie								CW			20			
American Crow	2	128	219	27	16	73	12		17	144		73	108	389
Common Raven								2						
Horned Lark	105	88	67	24	425	8	16	75	190	11	1408	9	5	
Carolina Chickadee	3	69												
Black-capped Chickadee			99	36	10	74	3			87		41	31	39
Tufted Titmouse	2	40	76	17	1	56				62		5	9	14
Bushtit														
Red-breasted Nuthatch	4	2	4		3	3	13				8	3		2
White-breasted Nuthatch	1	18	60	16	8	47	7		2	21	3	9	8	21
Brown Creeper		3	1	3	CW	5	2		2	5	1	4		1
Rock Wren														
House Wren														
Winter Wren		2	4		1		2		1	4	1	2	2	
Sedge Wren														
Marsh Wren							1		3					
Carolina Wren		47	71	18	6	36	7		4	38	3	17	3	13
Bewick's Wren									1					
Golden-crowned Kinglet		9	2			1	2			6			3	2
Ruby-crowned Kinglet		4							2			2		
Eastern Bluebird	3	98	177	16	19	55	42			198		29	31	103
Mountain Bluebird					1						2			
Townsend's Solitaire							1							
Hermit Thrush		1	1			3			1	1				3
American Robin	3	29	165	5	3	69	20	1	2	109	63	34	6	158
Gray Catbird														
Brown Thrasher														
Northern Mockingbird	1	10	23			7				8		5	9	2
European Starling	61	3693	944	90	450	230	6262	202	290	765	9141	672	2915	267
Cedar Waxwing	31	62	44	38		75	3		16	22	75	40	43	148
House Sparrow	49	74	94	122	220	70	157	79	170	143	1449	4	135	27
American Pipit														
House Finch	14		40	1	83	4	97	2	5	65	117	12	5	9
Purple Finch		3	42	2		4							4	
Pine Siskin	6				CW									
American Goldfinch	65	47	122	6	140	51	51		2	32	7	57	33	82
Lapland Longspur		155	24		12		19	3	1010	2	5442			
Smith's Longspur													10	
longspur species								2						
Spotted Towhee	1	2			2		1		6	2	4	CW		1
Eastern Towhee					1									
American Tree Sparrow	18	57	85	44	275	13	100	2	120	967	234	340	224	471
Chipping Sparrow														
Field Sparrow		5	3					10		2		1	1	8
Vesper Sparrow														
Lark Sparrow														
Savannah Sparrow	2	8								1			1	
LeConte's Sparrow														
Fox Sparrow			1							2		3	6	
Song Sparrow	7	86	27	22	1	20	11	6	65	43	29	25	34	14
Lincoln's Sparrow	1			1										2
Swamp Sparrow			3	1		1				2				
White-throated Sparrow	1	7	30	11	5	57			5	19		7	2	4
Harris's Sparrow	186	105	15	16	400	7	87		13	298	123	119	37	39
White-crowned Sparrow	7		6	10	6	3		34	25	12	173		4	11
Dark-eyed Junco (unidentified)	76	10	503		50						357	18	104	209
Slate-colored Junco	8	503		208	225	170	144	23	190	744	12	332		96
Oregon Junco		6						3			4			2
Pink-sided Junco								1						
Cassier Junco														
sparrow species														
Eastern Meadowlark		1	18			2	1		1	8	1	1	103	
Western Meadowlark		4	76	21	80	1	305	76	105	12	609		4	
<i>Sturnella</i> species	294	471	126	51	145	48	226	55		60	200	38	91	62
Red-winged Blackbird	13261	2600	833	55	15125	240	20995	82	5525	6442	2954	535	625	256
Brown-headed Cowbird	6	501	1		3		1		55	4	203	2		10
Rusty Blackbird			5		CW					30			50	1
Brewer's Blackbird	52	55	9						370	15	262			1
Common Grackle	1	7	5		16		250		2	4	1	3		
Great-tailed Grackle							5	1			2210	12		
blackbird species	1000	150		40							2200	1140		
Baltimore Oriole														
Common Yellowthroat														
Yellow-rumped Warbler - Myrtle		26	78	2	CW	17	26			26		23	5	10
Yellow-rumped Warbler - Audubon's														
Northern Cardinal	17	122	132	65	48	118	17		5	206	19	39	77	90
TOTAL INDIVIDUALS	15597	15109	7245	13050	18747	11820	55578	1483	8689	24466	33345	8183	16866	3954
TOTAL SPECIES	48	71	75	59	52	71	81	36	55	87	68	74	84	76

Table 1. 2018-2019 KOS CBC.

Species	Garden City	Halstead/Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir
Snow Goose unidentified	19448	6317		645	77270			10000	48	15260				145
Snow Goose White form					200	492	394			10000		3790		
Snow Goose Blue form	8				100	79	92			6000		454		
Ross's Goose	23			1		4	2	2	2	6			1	3
Greater White-fronted Goose	10	756			14	120	83	34	27		73	35	119	
Cackling Goose	15	104		11	15	290	16	20	158	95	5	59	203	21
Canada Goose	6100	7022	61	587	1000	743	617	252	3320	1951	435	2181	3313	233
Trumpeter Swan														
Wood Duck	57	5			11			6						
Blue-winged Teal					17									
Northern Shoveler	5			3	1	40		18	36	3	7	1	1	
Gadwall	18	2	1		18	19		6	230	4	12	31	22	13
American Wigeon	210	9			25		6	17	36	4	6			5
Mallard	498	2091	3	220	2609	612	1174	305	1800	343	10500	4957	1004	98
Northern Pintail		12					47		1		6	2		
Green-winged Teal	56	53				78	8	1	32		2	159		6
Canvasback					4				1	12	12			
Redhead							4		3	1		4	6	23
Ring-necked Duck	CW	7	1		67				11	30	48	2	5	24
Greater Scaup						2								3
Lesser Scaup									1	5			20	45
Surf Scoter									1					
Black Scoter														
Long-tailed Duck									CW		1			
Bufflehead					18	5	5	12	41	3	11	7	4	143
Common Goldeneye	CW			72	7	79	124	25	1500	35	25	19	97	243
Barrow's Goldeneye														
Hooded Merganser					62	3	60	7	149	1	40	48	9	16
Common Merganser	CW			8	21		668		92			265	5	180
Red-breasted Merganser									2					80
Ruddy Duck										1		1		5
duck species		3	6											
Northern Bobwhite	67	1		10	20	9	3	2			14	13		44
Ring-necked Pheasant	34		22				1	2				2	4	
Greater Prairie-Chicken												8	12	3
Wild Turkey			22	90	17	CW		1	47	2		31	61	15
Pied-billed Grebe	3		1		2				3		10	4		4
Horned Grebe					2									
Clark's Grebe							1							
Rock Pigeon	796	14	101	16	10	76	18	8	260	42	26	691	62	54
Eurasian Collared-Dove	4040	54	86	9	5		21	79	10	4	4	85	8	13
Inca Dove														
White-winged Dove	325												4	
Mourning Dove	6	20	14	4	13	3		5	170	12	60	89	13	122
Virginia Rail									1					
American Coot	CW				70				8		88			14
Sandhill Crane														
Killdeer		2							CW			1		
Wilson's Snipe												2		
Greater Yellowlegs														
Black-legged Kittiwake							1							
Bonaparte's Gull					40	6	2				100	6	1	12
Ring-billed Gull					400	77	255	3	1330		250	750	11	122
Herring Gull						1	32		13			72		3
Iceland Gull									1					
Lesser Black-backed Gull														
gull species					1								14	
Common Loon					6						9			
Neotropic Cormorant					1									
Double-crested Cormorant					305	1	1		2		18	8		1
American White Pelican					123	3			4		13		1	
Great Blue Heron	1	9	3		29	85	5	1	25	2	11	29	20	25
Great Egret														
Black-crowned Night-Heron														
Turkey Vulture														
Golden Eagle							1	1						
Northern Harrier	43	14	27	5	17	10	10	17	11	7	23	8	13	32
Sharp-shinned Hawk	6	4		2	1	3			4	2	1	3	1	3
Cooper's Hawk	10	2	1		2	CW	1	1	7	1	6	6	2	2
Accipiter species														
Bald Eagle Adults		1		4	26	10	2	5	35	28	14	29	58	3
Bald Eagle Immatures				2	20	10	1	3	26	40	6	14	19	1
Red-shouldered Hawk				11	6	1			18	6	26	6		7
Red-tailed Hawk	86	89	46	54	93	34	44	46	113	94	164	147	72	87
Harlan's Hawk	3	1			2	2	2	5			5	10		
Rough-legged Hawk	12		1	1	2		2	2				4		2
Ferruginous Hawk	11													
Buteo species	3		6											
Barn Owl	4													
Eastern Screech-Owl		1									1			
Great Horned Owl	12	5	3		12	3	2	2	14	1	1	4	7	3
Barred Owl				1	1	2	1		14	1	3	4	4	2
Long-eared Owl									1					
Short-eared Owl	1							1	CW		1			3
Belted Kingfisher	1	7			2	7	2		6		6	11	3	1
Red-headed Woodpecker										2	142	2		1
Red-bellied Woodpecker		32	4	30	20	14	36	19	73	43	87	115	24	56
Yellow-bellied Sapsucker		2		2		1			6	4	1	16	4	3
Downy Woodpecker	9	22	7	12	26	6	21	6	95	36	38	77	35	47
Hairy Woodpecker	2	4	2	2	1	1	1	3	10	8	6	15	2	3
Northern Flicker Unidentified	5	12	13	31	6	15	31	7	15	8		16	12	24

Table 1. 2018-2019 KOS CBC. Species	Garden City	Halstead/ Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir
Northern Flicker Yellow-shafted		6	1		25	4	7	2	53	15	40	72	22	28
Northern Flicker Red-shafted	5	1	1				3	4				2	2	1
Pileated Woodpecker		2				CW			6	3	18	13	2	2
American Kestrel	14	24	10	15	5	4	11	11	14	13	22	14	14	6
Merlin	5	2	1		1	CW				1	2	1	1	
Peregrine Falcon										1				
Prairie Falcon	4	1	2	1			2	3	1				4	
<i>Falco</i> species														
Eastern Phoebe														
Say's Phoebe														
Loggerhead Shrike	2			2	2			1	1		1			2
Northern Shrike							2	1						1
Blue-headed Vireo														
Blue Jay	7	17	2	67	45	15	8	14	110	90	134	114	23	122
Black-billed Magpie	4		1					1						
American Crow		59	22	205	121	94	49	7	239	224	166	1130	85	232
Common Raven														
Horned Lark	2797	162	726	2	3	9	4	40	100	49		53	149	14
Carolina Chickadee		3												
Black-capped Chickadee		111	5	36	35	33	32	8	226	57	66	161	38	67
Tufted Titmouse		21		13	27	15			122	15	72	131	5	18
Bushtit														
Red-breasted Nuthatch	16	2	CW		2	3	2	1	11	5		24	6	1
White-breasted Nuthatch	2	23	2	15	11	9	10	25	74	12	26	87	12	9
Brown Creeper		7			4		2	4	10	3	9	5	2	8
Rock Wren														
House Wren														
Winter Wren		7			2		1	1	1	1	2		2	4
Sedge Wren														
Marsh Wren	2		1				1	1						
Carolina Wren	2	26	CW	2	10	13	26	1	83	17	42	56	12	12
Bewick's Wren											1	1		
Golden-crowned Kinglet		5						1	9	6	3	CW	1	7
Ruby-crowned Kinglet	1						1	3	3	1	3	7	1	2
Eastern Bluebird		31		20	63	50	38	3	160	71	64	307	66	98
Mountain Bluebird							10							
Townsend's Solitaire	3							1						
Hermit Thrush						1			2	4		3		
American Robin	68	128	49	31	9	124	159	240	149	53	20	112	610	655
Gray Catbird					1									
Brown Thrasher						1								
Northern Mockingbird		5		6	7	4			18	9	21		3	6
European Starling	32958	989	491	355	75	766	488	850	1095	361	854	2959	626	1202
Cedar Waxwing	20	17	10	60	66	70	13	9	167	56	64	300	695	78
House Sparrow	1407	95	295	80	66	17	22	207	160	105	5	333	165	98
American Pipit					4				2					
House Finch	140	51	46	18	4	12	9	2	126	79		23	69	87
Purple Finch				2	1				17	10	11	2		
Pine Siskin	33									2		2		3
American Goldfinch	25	28	13	42	20	40	26	12	163	161	27	235	53	15
Lapland Longspur	14971	40	182				125	55					105	12
Smith's Longspur longspur species														
Spotted Towhee	3	3					23	4	3			2	1	5
Eastern Towhee					1					1				1
American Tree Sparrow	104	116	93	169	125	115	645	286	292	124	116	376	186	544
Chipping Sparrow									CW					
Field Sparrow	1	1		1	22		16		1			1	1	
Vesper Sparrow	CW													
Lark Sparrow														
Savannah Sparrow									9		2		2	1
LeConte's Sparrow									5		1			
Fox Sparrow		3				1	1		7		6	1	6	6
Song Sparrow	52	37	11	23	3	4	41	11	131	18	29	86	16	23
Lincoln's Sparrow		1		1	12		1					3	1	
Swamp Sparrow				1	1		1	3	23		7			
White-throated Sparrow	1	11	2	6	2	4	1	2	115	30	42	67	15	17
Harris's Sparrow	57	250	47	122	88	74	370	147	135	41	9	315	250	138
White-crowned Sparrow	471	11	33	5	20	10		29	25	13	80	22	3	6
Dark-eyed Junco (unidentified)	311		70	595			288	62				608	164	30
Slate-colored Junco	78	229	2		210	354	501	27	768	645	604	386	169	247
Oregon Junco	11	5						1	2		1	3	6	
Pink-sided Junco	1													
Cassier Junco	1													
sparrow species														
Eastern Meadowlark		19			74	3	13		22	59	15	77		13
Western Meadowlark	657	1	172		3	8	40	7	4	18	6	161		8
<i>Sturnella</i> species		364	944	131	79	202	198	309	104	139	116	187	171	108
Red-winged Blackbird	35504	27201	1967		87	76	384	1440	285	288	300000	311	991	800
Brown-headed Cowbird	8	4	73				6	33	6		4	2		
Rusty Blackbird					2		164					60	2	8
Brewer's Blackbird			2		16		220	7		2	1			21
Common Grackle	108	1	6				3	1	1	2	218			
Great-tailed Grackle	8849						2				130			
blackbird species		1000	2		1									
Baltimore Oriole									CW					
Common Yellowthroat														
Yellow-rumped Warbler - Myrtle	1	35		1	2	45	12		61	5	32	41	91	23
Yellow-rumped Warbler - Audubon's														
Northern Cardinal	7	63	10	117	39	30	51	35	285	232	129	310	111	165
TOTAL INDIVIDUALS	130639	47895	5725	3977	84136	5156	7831	14842	15219	37138	315538	23465	10235	6952
TOTAL SPECIES	69	72	49	56	86	66	82	74	95	76	86	88	79	91

Table 1. 2018-2019 KOS CBC. Species	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	St. Marys	Tallgrass Nat. Pre.
Snow Goose unidentified	2590			10	42000			47					20683	
Snow Goose White form		CW	2		288	60	47		2		97			
Snow Goose Blue form		CW	2		26	2					2			
Ross's Goose	2			2	302	2			1		26		10	
Greater White-fronted Goose			22	558	277	54		52			279			
Cackling Goose	50		19	7	15	14	650	531	192	1	1938		12	
Canada Goose	1419	124	2588	734	120	437	4018	1399	234	161	4339	202	1179	519
Trumpeter Swan				67						16			83	
Wood Duck	3				CW	30			3		2			
Blue-winged Teal						30								
Northern Shoveler			9	153	76	8	2	2	27		23		1	
Gadwall	55	1	28	64	CW	27	30		4	16	9	5	6	
American Wigeon		1	3	2	1	63			4	5				
Mallard	157	486	4549	52466	2300	83	6	49	232	102	4421	307	168	
Northern Pintail			3	262	38						3			
Green-winged Teal			5	52	229	1			10					3
Canvasback				285		3	1							
Redhead				6	2		4							
Ring-necked Duck	41		3	458	2	233	18			12	20			
Greater Scaup				2										
Lesser Scaup	1		33	26	23	1					13			7
Surf Scoter														
Black Scoter														
Long-tailed Duck														
Bufflehead	2		30	14	54						1		2	
Common Goldeneye	11	23	2294	50	89		14			7	37		98	2
Barrow's Goldeneye			1											
Hooded Merganser		4	12	14	5					9	1		91	
Common Merganser		179	1441		18	1	2			24	4		179	
Red-breasted Merganser														
Ruddy Duck			6	65	11						2			
duck species							835					77	150	
Northern Bobwhite		31		2	45		12	13	10				38	2
Ring-necked Pheasant					11				5		25			
Greater Prairie-Chicken		CW											63	
Wild Turkey	12	35	42	1	7	208	CW	CW	317		2	9	134	
Pied-billed Grebe	1	1	4	3		7	3	1	1	2		9		
Horned Grebe														
Clark's Grebe														
Rock Pigeon	99	9	49	19	1	34	493	2	56	5	7	7	152	
Eurasian Collared-Dove	2		3	11	13	22	25	17	1760	4	18	2	13	16
Inca Dove								1						
White-winged Dove								CW	2					
Mourning Dove	137	2	70	78	27	21	101	65	16	23	153	21	97	
Virginia Rail					2				1		2			
American Coot			7	10	82	11	21							
Sandhill Crane					3500	3460								
Killdeer				22		1					1	1		
Wilson's Snipe				4		2					10			
Greater Yellowlegs														
Black-legged Kittiwake														
Bonaparte's Gull			1	2										
Ring-billed Gull	130		2328	41	5	1			4	25	14		22	2
Herring Gull	2		24		1									
Iceland Gull														
Lesser Black-backed Gull														
gull species		172	2				3000						1	
Common Loon														
Neotropic Cormorant														
Double-crested Cormorant			3								2			
American White Pelican		1	8	CW										
Great Blue Heron	2		6	11	6	4	2	13	1	3	5	6	1	
Great Egret												3		
Black-crowned Night-Heron														
Turkey Vulture								CW						
Golden Eagle		1			1									
Northern Harrier	6	7	8	28	81	29	6	19	10	17	23	24	15	5
Sharp-shinned Hawk	3		2	1	3			2	2					
Cooper's Hawk	7	1	5	6	2	1	10		1	1	1		CW	1
Accipiter species	1				1					2				
Bald Eagle Adults	12	5	36	5	22	2	2	1		16	8	9	18	3
Bald Eagle Immatures		1	50	9	4		1	2		9	1	6		5
Red-shouldered Hawk	5	3	10	13		1		1		7	3	3	4	
Red-tailed Hawk	126	51	132	137	95	66	46	32	29	50	80	30	45	11
Harlan's Hawk	3	1	1		6	2	7		1	5	10	1	1	
Rough-legged Hawk				2	2			1	9				5	4
Ferruginous Hawk					1	1			1					
Buteo species						2						3	5	
Barn Owl	1			2	3						1			
Eastern Screech-Owl	1				3						6			
Great Horned Owl	10	4	2	3	17	1	1	1	5	1	9		1	
Barred Owl	6	2	10	8	5	2	4		1		10		2	
Long-eared Owl														
Short-eared Owl				4							3			
Belted Kingfisher	10	1	1	3	1			6	2	3		2	2	
Red-headed Woodpecker				2			1			65				
Red-bellied Woodpecker	60	14	50	75	16	28	26	16	5	29	16	41	52	9
Yellow-bellied Sapsucker	3	1	18	2		3		3		3	1	5		
Downy Woodpecker	46	10	57	34	18	13	10	8	11	17	14	19	18	2
Hairy Woodpecker	9	5	2	5	8	3	2	3	4	7	5		2	
Northern Flicker Unidentified	27	6	28	32	73	57	2	3	2	16	22	31	26	9

Table 1. 2018-2019 KOS CBC.

Species	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	St. Marys	Tallgrass Nat. Pre.
Northern Flicker Yellow-shafted		15	39	15	33	8	4	3	2	8	18		1	4
Northern Flicker Red-shafted					13	4		6	26	2				
Pileated Woodpecker	9			8		1				5	2	4	4	1
American Kestrel	30	2	12	34	49	19	18	8	11	14	15	13	9	1
Merlin	2			1	2		3		1	2	2		1	
Peregrine Falcon														
Prairie Falcon					4		2	1	6				1	
<i>Falco</i> species													1	
Eastern Phoebe						1		1						
Say's Phoebe														
Loggerhead Shrike		1	1	6	4	1	2	1		3	1	1		
Northern Shrike													CW	
Blue-headed Vireo														
Blue Jay	100	12	76	104	1	2	10		1	185	19	72	16	2
Black-billed Magpie														
American Crow	193	1467	196	219	18	355	10	32		90	57	110	196	38
Common Raven														
Horned Lark	8	8	5	11	355		4	287	179		282	171	75	6
Carolina Chickadee				70		13		8		64	50	45		
Black-capped Chickadee	111	36	180		1		24	10					24	15
Tufted Titmouse	86	25	69	35	CW	3	9	9		53	17	16	11	2
Bushtit									3					
Red-breasted Nuthatch	8	1	1		3		4	2		3	3			
White-breasted Nuthatch	28	8	43	17	4	3	6	12	4	24	12	6	13	
Brown Creeper	9	1	1	5	3		1	1	6	8		3	1	
Rock Wren														
House Wren														
Winter Wren	1			2	1	5	1	2		3		1	1	
Sedge Wren				6	1									
Marsh Wren				4	1	2			CW	3	10			
Carolina Wren	44	7	26	36	1	17	12	13		31	31	10	6	1
Bewick's Wren						1								
Golden-crowned Kinglet	3		3	10		4			3	1	1	11		
Ruby-crowned Kinglet	1		1	1				3			2		1	
Eastern Bluebird	176	73	123	122	52	36	21	15	26	81	62	54	43	29
Mountain Bluebird					38	73		2			2			
Townsend's Solitaire									13					
Hermit Thrush	3			2		2				1	1	1		
American Robin	346	11	128	50	35	327	103	164	118	28	4	32	1	4
Gray Catbird									1					
Brown Thrasher														
Northern Mockingbird	16		22	51	5	2	2	1		20	10	18	2	
European Starling	875	126	323	94	921	417	500486	656	752	225	5302	217	449	76
Cedar Waxwing	260	39	257	3	5	52	145	405		50	72	50	13	
House Sparrow	30	41	71	43	11	195	150	88	517	52	90	23	160	19
American Pipit			10											
House Finch	56	20	47	13	8	112	32	30	145	16	5		53	
Purple Finch	14	4	13	2			2			1		4	7	
Pine Siskin			1		13	13			1		40			
American Goldfinch	179	64	56	78	22	42	17	46	21	44	145	55	82	3
Lapland Longspur	CW		3	52				239	1684		20			
Smith's Longspur														30
longspur species														
Spotted Towhee			1		7	13		5	11	3	2			
Eastern Towhee							1			1	1			
American Tree Sparrow	188	74	135	52	1033	330	103	110	26	7	244	9	611	83
Chipping Sparrow				7										
Field Sparrow	1			11	10	35	1	2		15	5			
Vesper Sparrow		1												
Lark Sparrow								1			1			
Savannah Sparrow				35	3	5		CW		7	19	4		
LeConte's Sparrow					1	1					1			
Fox Sparrow			2	4	12	10		5		3	6	2	1	
Song Sparrow	161	3	21	68	249	105	22	12	10	58	164	39	8	5
Lincoln's Sparrow	2		1				2				1			
Swamp Sparrow	24		5	43		7	1	2			56	2		
White-throated Sparrow	160	1	72	57	2	1	45	20	9	33	5	64	3	
Harris's Sparrow	20	42	35	63	575	522	233	90	20	87	474	44	135	
White-crowned Sparrow	8	4	5	141	42	83	4	5	33		9	107	CW	
Dark-eyed Junco (unidentified)	536		783	550	140		6	253	294	46	105	497	641	52
Slate-colored Junco		160	227		520	653	179	205	53	171	319			
Oregon Junco	4		1		1	2		2		5	3			
Pink-sided Junco									4	1				
Cassier Junco														
sparrow species													150	
Eastern Meadowlark	3		17	89	14	21		2		41	2			
Western Meadowlark				11	13	1		40	111		1			
<i>Sturnella</i> species	70	24	120	274	560	498	149	451		115	354	328	518	21
Red-winged Blackbird	24	402	234	1828	51200	5722	2269	324	117	901	80242	202	264	1
Brown-headed Cowbird				2	23					41	11	18	2	
Rusty Blackbird				34			1		26	50				
Brewer's Blackbird				5	30	11200			3	32	73	1		
Common Grackle				54							5			
Great-tailed Grackle							53		1		1		15	
blackbird species					2065	150	11				50005	515		1000
Baltimore Oriole														
Common Yellowthroat								CW						
Yellow-rumped Warbler - Myrtle	15	14	35	7	8	51	9		39	82	16		6	
Yellow-rumped Warbler - Audubon's														
Northern Cardinal	167	37	217	251	31	95	53	38	18	96	148	243	194	9
TOTAL INDIVIDUALS	9023	3905	17623	60505	108133	26246	513612	5941	7233	3467	150217	3815	27100	2002
TOTAL SPECIES	73	59	81	100	91	85	69	67	69	70	94	56	67	36

Table 1. 2018-2019 KOS CBC. Species	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Snow Goose unidentified	402		20000		75000		200		316525
Snow Goose White form		1	3783	127		6	75	100	22540
Snow Goose Blue form			200	30			50	50	7737
Ross's Goose	1	2	32		450	4	6		1056
Greater White-fronted Goose	1	157	36		150	117	1	45	4750
Cackling Goose	5	5914	2040	300	1200	18590	15	27	37577
Canada Goose	5291	5071	1719	1223	7340	8121	695	903	108409
Trumpeter Swan	30								227
Wood Duck	1	5			15	86			226
Blue-winged Teal									47
Northern Shoveler	5	10	11		CW	160		25	789
Gadwall	15	89		6	38	128	35		1195
American Wigeon	3	553	2		86	78	14		1142
Mallard	273	2758	902	730	6560	1206	3050	18	117754
Northern Pintail		1	1	2	5	10	2		466
Green-winged Teal	2	2	9	300	85	20	40		1270
Canvasback	9	25				244	1		653
Redhead		40			5	47	2		191
Ring-necked Duck	2	36	1		13	113	16		1246
Greater Scaup						8	2		15
Lesser Scaup		5	1	2	5	523	14		791
Surf Scoter									1
Black Scoter			1						8
Long-tailed Duck									1
Bufflehead	3	8	56	10	30	154	218	4	872
Common Goldeneye	29	5	463	36	204	215	2800	21	9703
Barrow's Goldeneye			CW						1
Hooded Merganser	35	54	53		16	364	205		1609
Common Merganser	61		180	296	600	16	6	15	5887
Red-breasted Merganser									93
Ruddy Duck					1	25			125
duck species		67							1401
Northern Bobwhite		31	9		18		19		522
Ring-necked Pheasant			7	1	7		3	1	176
Greater Prairie-Chicken			1		7				116
Wild Turkey	22	21	17	50	CW	19	3	28	1854
Pied-billed Grebe	3	CW			4	38	7		115
Horned Grebe							1		3
Clark's Grebe									1
Rock Pigeon	807	110	28	7	40	1048	38	79	7679
Eurasian Collared-Dove	38	17	73	CW	66	17	176	46	9347
Inca Dove									1
White-winged Dove		CW				3			363
Mourning Dove	167	78	13		11	54	7	23	2487
Virginia Rail					1		1		11
American Coot	2	12	21		88	60	218		733
Sandhill Crane									6960
Killdeer		1				4			33
Wilson's Snipe						4	1		26
Greater Yellowlegs		1							1
Black-legged Kittiwake									1
Bonaparte's Gull				2					172
Ring-billed Gull	93	24	160	285	66	489	118	120	10056
Herring Gull		1	8	46	18	8	44		395
Iceland Gull			CW		1				2
Lesser Black-backed Gull		1							1
gull species									3403
Common Loon						1	7		23
Neotropic Cormorant									1
Double-crested Cormorant		CW	1		1	292	1		638
American White Pelican		22					1	77	253
Great Blue Heron	12	19	2	5	3	58	8	2	472
Great Egret									3
Black-crowned Night-Heron						3			3
Turkey Vulture									2
Golden Eagle			1				1		6
Northern Harrier	2	27	40	3	32	2	26	21	972
Sharp-shinned Hawk	3		2	3		2	3	2	80
Cooper's Hawk	10	3	3		5	10	6	1	142
Accipiter species									1
Bald Eagle Adults	1	9	22	5	30	4	3	4	552
Bald Eagle Immatures	1	1	6	3	10	2		1	306
Red-shouldered Hawk	17	10		1					225
Red-tailed Hawk	93	156	91	46	65	47	82	52	3582
Harlan's Hawk		11		2			1		103
Rough-legged Hawk	1			1	1		2	2	84
Ferruginous Hawk					2				19
Buteo species		2			2			1	31
Barn Owl									16
Eastern Screech-Owl		5	3			3	5	1	52
Great Horned Owl	2	11	10	2	1	3	7	3	222
Barred Owl	3	18	4	2		4	2		166
Long-eared Owl							CW		6
Short-eared Owl	1	1	1						21
Belted Kingfisher	2	6	1	1	1	16	2	2	130
Red-headed Woodpecker		1	1						238
Red-bellied Woodpecker	62	66	27	14	6	27	22	11	1591
Yellow-bellied Sapsucker	2	3	1			5	1		102
Downy Woodpecker	56	38	10	7	3	58	11	7	1163
Hairy Woodpecker	4	12	3	2	1	4	5		198
Northern Flicker Unidentified	23	13	19	4	8	11	30	25	837

Table 1. 2018-2019 KOS CBC.

Species	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Northern Flicker Yellow-shafted		18	2	12	2	10	10	15	685
Northern Flicker Red-shafted		5	2		4		5	2	124
Pileated Woodpecker	8	3							128
American Kestrel	17	33	7	1	16	3	34	25	719
Merlin	CW		3	CW		1	4	1	49
Peregrine Falcon									1
Prairie Falcon	1	1	12				6	2	66
<i>Falco</i> species									2
Eastern Phoebe									2
Say's Phoebe									1
Loggerhead Shrike		4		1			1	3	56
Northern Shrike								2	10
Blue-headed Vireo						1			1
Blue Jay	146	46	43	22	1	60	1	2	2106
Black-billed Magpie					2				28
American Crow	345	186	27	238	6	1071	20	31	8746
Common Raven									2
Horned Lark	19	161	965	59	69	3	55	156	9417
Carolina Chickadee		61						2	388
Black-capped Chickadee	121	26	13	3	4	77	6	36	1982
Tufted Titmouse	70	45		4		17		2	1194
Bushtit									3
Red-breasted Nuthatch	8	8	2	2	15	11	17	4	207
White-breasted Nuthatch	31	16	31	6	6	11	8	4	831
Brown Creeper	8	10	6	1		3	1		149
Rock Wren							1		1
House Wren		1							1
Winter Wren		6	1		1	3	1		69
Sedge Wren									7
Marsh Wren						2	2		33
Carolina Wren	52	57	2	11	1	40	1	11	975
Bewick's Wren		1							5
Golden-crowned Kinglet		10	1			7	1		112
Ruby-crowned Kinglet		2				1		2	41
Eastern Bluebird	112	131	23	28	5	33	60	88	3135
Mountain Bluebird							137		268
Townsend's Solitaire					1		2		21
Hermit Thrush	2					6			38
American Robin	522	255	1	33	15	622	54	68	5995
Gray Catbird									2
Brown Thrasher									1
Northern Mockingbird	10	23				2		2	330
European Starling	2155	2865	2194	51	250	5355	1488	931	596259
Cedar Waxwing	145	183	8	9	20	89	18	97	4142
House Sparrow	272	312	183	37	225	159	82	315	8923
American Pipit									16
House Finch	108	6	24	7	45	105	56	10	2018
Purple Finch	2	1				3			151
Pine Siskin	2						1		117
American Goldfinch	99	84	24	23	26	78	30	21	2794
Lapland Longspur	10	185	1050		18		15	43	25476
Smith's Longspur		8							48
longspur species									2
Spotted Towhee		1	4		11	25	18	3	167
Eastern Towhee		CW				1			8
American Tree Sparrow	53	127	297	130	615	117	700	740	12025
Chipping Sparrow									7
Field Sparrow		10			1	4	2		171
Vesper Sparrow									1
Lark Sparrow									2
Savannah Sparrow		37			2				138
LeConte's Sparrow							1		10
Fox Sparrow	2	5			4	20	9	9	137
Song Sparrow	47	54	40	9	58	104	102	28	2242
Lincoln's Sparrow						1	1		31
Swamp Sparrow	2	5	1			8	1		202
White-throated Sparrow	138	1		2	4	140	4	3	1227
Harris's Sparrow	83	555	270	208	131	184	65	242	7566
White-crowned Sparrow	17	6	278	17	124			36	1938
Dark-eyed Junco (unidentified)	625	71	74		175	67	145	92	8607
Slate-colored Junco		586	103	105		389	475	149	11169
Oregon Junco					2				66
Pink-sided Junco								3	10
Cassier Junco									1
sparrow species									150
Eastern Meadowlark		22	2	3		1	8	3	659
Western Meadowlark		19	236	2	400		232	4	3448
<i>Sturnella</i> species	84	686	179	207	75	19	213	464	10328
Red-winged Blackbird	173	1952	52216	440	6565	81	250000	8704	902723
Brown-headed Cowbird		1178			42		860	4	3103
Rusty Blackbird		3					1		437
Brewer's Blackbird		2486	8		25		622		15518
Common Grackle	1	95	1		46	CW	1	2	834
Great-tailed Grackle						336	487		12102
blackbird species		5013					200000	2000	266292
Baltimore Oriole									CW
Common Yellowthroat									CW
Yellow-rumped Warbler - Myrtle	11	113	2	15	1	70	111	15	1182
Yellow-rumped Warbler - Audubon's					1				1
Northern Cardinal	212	179	52	41	11	147	38	53	4869
TOTAL INDIVIDUALS	13308	33491	88462	5281	101326	42018	464522	16147	2646257
TOTAL SPECIES	79	99	81	60	81	93	100	68	159