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THE KANSAS WINTER BIRD COUNT FOR 2021-2022

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The count period ran from 12 December 2021 through 12 January 2022. A total of 48 counts were conducted this year, down one from last year, slightly below the average of 51 since 2000, and above the average of 35 since the inception of the KOS reporting Christmas Bird Counts (CBC's). The downward trend of late, almost certainly is in relationship to the Covid-19 pandemic, will hopefully begin a resurgence of counts next year. State coverage was good with most physiographic provinces represented (Figure 1).

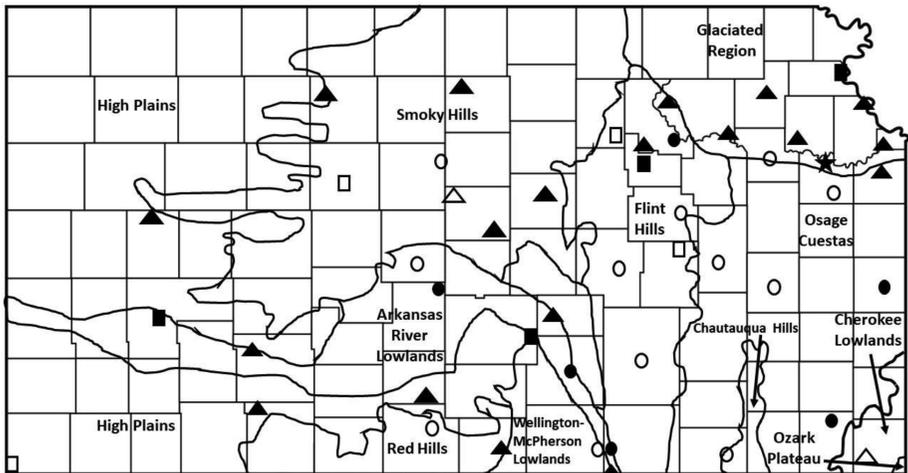


Figure 1. Location of Kansas Christmas Bird Counts within the main physiographic provinces during 2021-2022. Star = 100+ species recorded, closed circle = 90-99, open circle = 80-89, closed triangle = 70-79, open triangle = 60-69, closed square = 50-59, and open square = <50 species.

The average low temperature for all counts was 25.1°F (-3.8°C), average high was 45.8°F (7.7°C), and ranged from 5°F (-15°C, Cimarron National Grasslands, CNG) to 80°F (26.7°C, Arkansas City). Five counts (10.4%) did not reach the freezing mark; and 12 counts (25%) never dipped below freezing. Wind wasn't a tremendous factor, with an average low windspeed of 5.6 mph (9 km/h) and a high average of 14.8 mph (23.8 km/h).

The 555 observers (average 11.6/count, range 1-43/count), is up from 535 last year, and slightly below the 564 average since 2000. The 277 parties (average 5.8/count, range 1-19/count) is down from last year's 313 parties. Manhattan had the most participants with 43, followed by Lawrence with 29, Olathe and Oskaloosa/Perry each with 26, Topeka with 23, and Dodge City with 22. Participants volunteered 1,709.89 party-hours (average 35.6/count), down from last year's total of 1,816.6 (average 37.1/count). They compiled 11,902.86 party-miles (average 248/count), a decrease from last year's 12,297.6 party miles (average 251/count). Feeder watchers decreased from last year's 95 to 51, similar to what they were the three previous years (50, 49, 48). There was a decrease in feeder observation hours from 186 last year to 98.05 this year. Owling hours and miles were down from last year to 36.76 (42.75 previous year), and 253.05 (258.3) respectively.

The 169 species is a respectable number considering the decrease in both the number of counts and observers this year, although in-line with the average of 167 since 2000. It would have been 174 species if not for the five count week species: a Horned Grebe in Winfield; a Greater Roadrunner in Sawyer; Whooping Crane and Wilson's Phalarope at Cheyenne Bottoms; and Yellow-headed Blackbird in Kanopolis. Counts averaged 75 species, down from 79 last year.

Seven counts (14.5%) recorded 90 or more species, down from 13 (26.5%) last year. Lawrence was the only count to break the century mark with 101 species. This was followed by: Quivira National Wildlife Refuge (QNWR) with 98; Parsons with 97; Manhattan with 94; Linn County with 93; Wichita with 92; and Winfield with 91 (Figure 1). Hays had the fewest species with 38, followed by CNG with 39, the Tall Grass Prairie Preserve (TGPP) with 41, and Wakefield with 48 (Figure 1). Species diversity seems to be consistent within physiographic regions (Figure 1).

The total number of individuals, 6,384,848 was well above last year's total of 3,281,129, and above the average of 5,852,615 since 2000. Two counts exceeded a million birds: Cheyenne Bottoms with 3,577,812 (56% of total), and Linn County with 1,051,967 (16.5% of total). Only three additional counts had over a hundred-thousand birds, Olsburg with 434,615 (6.8% of total), Webster with 168,930 (2.7%), and Yoder with 145,104 (2.3%). Five counts (10.4%) had fewer than 5,000 individuals with the lowest being observed at TGPP with 946, followed by Southeast Kansas Mined Lands (3,585), Junction City (4,027), Fort Riley (4,237), and Sedan (4,484).

Red-winged Blackbird, as usual, was the most abundant species with 3,849,689 individuals, or 60.3% of this year's total; up from last year's 2,048,310. Blackbird species was the second highest total with 1,040,365 (16.3% of total) individuals

followed by Snow Goose with 428,334 (6.7% of total), and American Crow with 420,748 (6.6%). The majority of American Crow's were reported from Olsburg with 408,057 (97% of total).

Like the past few years, KOS CBCs continue to report new and exciting species. The highlight species counted this year include the Brown-headed Nuthatch at Garden City (second record on CBC's); Black-bellied Whistling-Duck at Wichita; and a Nelson's Sparrow at Linn County. The latter two species are new for KOS CBCs. Other exceptional finds include: a single Lesser Goldfinch at Manhattan; six White-faced Ibis at Cheyenne Bottoms; 10 Common Redpoll, which included a flock of eight at CNG and one each at Lawrence, and Perry Lake; a Nashville Warbler at Cheyenne Bottoms; a Pine Warbler at Waconda; and a Yellow-rumped "Audubon's" Warbler at Dodge City. Additional highlight species, in "taxonomic order", include the following: three American Black Duck with one in Lawrence and two in Parsons; a Long-tailed Duck at Waconda; an Eared Grebe at John Redmond; 8,045 Sandhill Cranes, on four counts with 7,500 at QNWR, 454 at Anthony, 46 at Sawyer, and 45 at Red Hills; two American Avocet at QNWR; eight Dunlin, two at Cheyenne Bottoms and six at QNWR; 38 Least Sandpiper, 21 at Cheyenne Bottoms, 14 at QNWR, two at Anthony, and one at Sawyer; nine Long-billed Dowitcher at QNWR; two Spotted Sandpiper, one each at Sawyer and Sedan; an unusual high of 51 Greater Yellowlegs, with 31 at QNWR and 20 at Cheyenne Bottoms; a Black-legged Kittiwake at Lawrence; and a California Gull at Cheyenne Bottoms. American White Pelican numbers continue to increase in winter with 1,239 individuals reported (up from 1,001 last year) on 14 counts (29.2% of all counts). A Great Egret and four Black-crowned Night-Heron were observed at Wichita. The number of Black Vultures in Sedan continues to break all-time high records, with 76 this year, 40 last year and 25 two-years ago, however, Southeast Kansas Mined Lands added an additional four, bringing the total to 80. Four Snowy Owls, three at Cheyenne Bottoms and one at Scott Lake; and two Peregrine Falcons, one each at Cheyenne Bottoms and Topeka, were also nice finds.

On the passerine front, although the Eastern Phoebe has become an annual occurrence in Kansas during the CBC period, only three were reported this year, half of last year's total, they have averaged 3.8 since 2000. Other notable species include: one Common Raven at CNG; a Rock Wren at Scott Lake; four Sedge Wrens (two at Parsons, one each at Holton and Lawrence); five Gray Catbirds (one each at Anthony, Halstead/Newton, Manhattan, QNWR, and Red Hills); seven Brown Thrashers (two in Olathe, and one each at Black Wolf, Red Hills, Topeka, Wichita, and Yoder); a Lark Sparrow and two Vesper Sparrows at Sawyer; 12 Chipping Sparrows at Parsons; a remarkable 21 Le Conte's Sparrows with 16 in Linn County, three at Parsons, and one each at Lawrence, and Perry Lake; two Orange-crowned Warblers, one each at Dodge City and Topeka.

Numbers for species of conservation concern included: 55 Trumpeter Swans (down from 199 last year); only 41 Greater Prairie-Chickens, a decrease from 134 last year (average 151/yr since 2000, 171/yr since 1995); notable, is that no Lesser Prairie-Chickens were recorded (average 8/yr since 2000, 9/yr since 1995) for the

eighth time since 2000. The 61 Loggerhead Shrikes is a decrease for the second year in a row, 76 last year, below the average of 73 since 2000, and below the 80 since 1995. The 12 Northern Shrikes is a decrease from last year's 17, and below the averages of 14.1 per year since 2000, and 15.2 since 1995. Scaled Quail, for the fifth time since 2000, was not reported this year. Northern Bobwhite decreased from last year's 890 to 585 this year, well below the averages of 773 since 2000, and 935 since 1995. Wild Turkey decreased from last year's 1,944 to 1,034 individuals, below the average of 2,796 since 2000. Bald Eagles increased to 804 from last year's 644, and above the averages of 660 since 2000, and 671 since 1996. Northern Harriers increased for a second year with 983 individuals, though still below the 1,051 average since 2000. The 14 Ferruginous Hawks is possibly an all-time low, down from last year's 35, and below the averages of 53 since 2000, and 56.5 since 1995. Since 1995, the previous low was 19 in 2018. There was an increase in Golden Eagles recorded, seven compared to three last year, still below the average of 9.7 since 1995. The 51 Black-billed Magpies is down from last year's 82, and well below the averages of 132/yr since 2000, and 239/yr since 1995. The 927 Rusty Blackbirds is an increase from last year's 299, and about the 932 average since 2000, but well below the average of 3,681 since 1995. The Brewer's Blackbird count of 29,068 individuals is up from last year's total of 5,299, and well above the averages of 13,558 since 2000 and 12,475 since 1995.

Red-shouldered Hawk numbers were only slightly down from last year's 190 (second highest total) to 184, the third highest ever recorded (225 in 2018-2019), and well above the average of 59 since 1995. Red-tailed Hawk (all forms) numbers had a slight decrease from last year's 3,245 individuals to 3,168, which is above the average of 3,121 since 1995. Harlan's Hawk was down from last year's 70 to 64 this year. Rough-legged Hawk numbers were about the same with 179 reported, compared to 182 individuals last year. After two consecutive years of increasing, Merlin's decreased from 59 last year to 43. Prairie Falcons slightly decreased from 66 individuals last year to 63 this year.

Eurasian Collared-Doves continue to be the most abundant dove/pigeon in Kansas. The 8,169 individuals this year is an increase from last year's 7,786, and above the averages of 4,695 since 1997-1998, and 5,335 since 2000. Only five counts (10.4%) didn't report Eurasian Collared-Dove's, all from the northeast. As usual, southwestern Kansas contains the majority of the population with the highest totals coming from Dodge City with 3,296 individuals (1,401 last year, 826 average since 2000), followed by Garden City with 1,603 (1,393 last year, 1,518 average since 2000), CNG with 899 (not done last year, 730 average since 2000), and Scott Lake with 878 individuals (3,774 last year, 930 average since 2000). The Rock Pigeon showed an increase from last year's 5,988, to 7,429, breaking a three year decline. Unlike the previous two years where 11 counts reported White-winged Doves only seven did this year, though they slightly increased from last year's 390 to 404 individuals, which is above the average of 172/yr since 2000. As expected, most come from western Kansas. Garden City led with 182 individuals, followed by Dodge City with 153.

Red-headed Woodpeckers did well, increasing from 364 to 518 this year, the

fourth highest total since 1995 (701 in 1997, 601 in 1999, and 576 in 2008), and above the average of 294 per/yr since then. Pileated Woodpeckers continue to set records increasing to a new record high of 165, an increase from the previous record of 142 set last year, and well above the averages of 77 since 2000, and 68.4 since 1995. The 1,155 Downy Woodpeckers was down from last year's 1,269 individuals, and below the 1,241/yr average since 2000.

White-breasted Nuthatches, Black-capped Chickadees, and Tufted Titmice all showed decreases from last year, while the Carolina Chickadee increased. The 821 White-breasted was below last year's 953, and below the 849 average since 2000. The 2,453 Black-capped Chickadee was only slightly below the 2,482 last year, but above the 2,358 average since 2000; and the 1,210 Tufted Titmice was slightly below last year's 1,288, but also above the 1,186 average since 2000. The Carolina Chickadee increased from last year's 233 to 390 this year. Of this total, 208 were from the Arkansas City, Slate Creek Wetlands (SCW), and Winfield counts, which, as we suspected, was likely responsible for the low counts last year since each count was cancelled due to the Covid-19 pandemic.

The 1,044 Eastern Bluebirds was a decrease for the third consecutive year and from last year's 2,099. Mountain Bluebirds also decreased from 273 last year to only 55 this year. Townsend's Solitaires increased for the third consecutive year with 47 individuals (45 last year). Hermit Thrushes decreased for the second consecutive year 42 to 23 this year; and American Robins increased from 7,220 last year to 30,306 this year.

Similar to the circumstances with the Carolina Chickadee numbers, we expected Harris's Sparrow numbers to rebound from last year's 5,366 individuals, perhaps the lowest in decades, due to the running of the aforementioned counts in the south-central region (see above), and indeed they did to 8,977, though still below the averages of 10,082 since 2000, and 10,833 since 1995. Taking over the stronghold of Winfield (486 individuals) was SCW, which led the state with 758.

While it was a good year for Common Redpoll (see above), other northern irruptive species were absent (crossbills, Evening Grosbeak), or reduced in numbers. Red-breasted Nuthatches decreased from 196 last year to 159 individuals this year; 101 Purple Finches (359 last year), below the average of 145/yr since 2000; and only 30 Pine Siskins, a large decrease from last year's 2,361, well below the average of 543/yr since 2000. Surprisingly, it's only the 4th lowest total since 2000 (lowest 13 in 2006). American Goldfinches decreased from 3,911 individuals last year to 3,370, still well below the average of 4,808 since 1995. The House Finch numbers decreased slightly from 2,211 individuals last year to 2,090, below the average of 2,724 since 2000. The 1,400 Yellow-rumped Warblers (all forms) is an increase of last year's 312, and above the average of 1,304 since 1995. The Northern Cardinal decreased from last year's 5,032 to 3,898 individuals this year (ironic, same total as in 2013), below the average of 4,704 since 2000, and tied for the second lowest total recorded since 2000 (lowest 3,845 in 2003).

While we normally only report on birds that are observed, perhaps, it's of interest to know some of the species that were not seen this year: Mute Swan; scoters of any species; Barrow's Goldeneye; House Wren; Curve-billed Thrasher; Chestnut-collared Longspur; and Common Yellowthroat. The lack of these waterfowl species makes sense if we consider that weather in the region frequently determines our winter waterfowl diversity and abundance in Kansas, thus mild weather would allow some of these species to remain farther north. Paradoxically, with the mild weather one would also expect the House Wren and Common Yellowthroat to have been reported because the weather was so nice.

We also attempted to identify all species recorded on KOS CBC's since first published within the Bulletin. To date, 288 species have been observed, or 60.1% of all extant species known from Kansas. It would be 298 if we included the Mute Swan and Ringed Turtle-Dove (origin and species unknown) which are not officially recognized by KOS, or the following "count week" species: King Rail (twice), Ruddy Turnstone, Purple Sandpiper, Wilson's Phalarope, Black-headed Gull, Short-billed Gull, Snowy Egret, and Juniper Titmouse. Waterfowl has the most species reported with 35, followed by sparrows with 30; hawks and falcons with 20; shorebirds with 18; jaegers and gulls with 13; and finches, blackbirds/orioles, and warblers each with 11. The following taxa groups have had all species reported (>3 species): geese/swans; grebes; loons; nuthatches; wrens; thrashers; and longspurs. These taxa groups have had all but one species reported (again >3 species): gallinaceous birds (Sharp-tailed Grouse); pigeons/doves (Band-tailed Pigeon); owls (Flammulated); woodpeckers (American Three-toed); and chickadees/titmice (Juniper Titmouse). Obviously, insectivorous and nectar feeding birds are most limited during winter months, thus these species are noteworthy for even being reported: Common Poorwill (1976-1977 at Pratt-Sawyer); Anna's and Rufous Hummingbird (hardy species); Western Kingbird (Hays in 1946, Robins, J.D., and G.L. Worthen. 1973. The Christmas Bird Count in Kansas, 1949-1971. KOS Bull. 24 [3]:17-30.); Eastern and Say's Phoebe's (hardy); White-eyed and Blue-headed Vireo's in consecutive years (2018-2019, 2019-2020 respectively); Tree Swallow (two records, and hardy); Barn Swallow (2020-2021); and Blue-gray Gnatcatcher (several records).

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 121st CBC (Ortega, B. 2021. 121st CBC Season Highest Tallies for Individuals in the United States. Web page: <https://www.audubon.org/news/121st-cbc-season-highest-tallies-individuals-united-states>.) high national counts from Kansas included: 20,000 Ross's Goose and 45,000 Mallard at Webster Reservoir; 389 Harris's Sparrows at Manhattan; and 1,019,024 Red-winged Blackbirds at Halstead-Newton.

COUNT DATA

Anthony. 37.151627°, -98.083055°. Center as described in 2020. 16 December 2021; 8:00 a.m. to 5:00 p.m.; 34°F to 53°F. Wind N to NE 10-6 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties, plus 1 at feeders. Total party-hours 47 (9.8 on foot, 37.2 by car), plus 1 hour at

feeders. Total party-miles 280.8 (4.8 on foot, 276 by car). Total 72 species; 17,698 individuals.

Tom Ewert, Elsie Fisher, Bonnie Geisen, Kevin Groeneweg, Mary Herold (compiler-herold4us@ gmail.com), Janet Krack, Rodney Wedel.

Arkansas City. 37.038349°, -97.039315°. Center as described in 1978. 26 December 2021; 7:45 a.m. to 5:00 p.m.; 50°F to 80°F. Wind S 0 to 15 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 51-95%. Five observers in 3 parties. Total party-hours 25.25 (7 on foot, 18.25 by car), plus 1.5 miles owling. Total party-miles 224.2 (6.5 on foot, 217.7 by car), plus 13.6 miles owling. Total species 78; 52,946 individuals.

Kevin Groeneweg, Patty Marlett, Shawn Silliman, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

Baldwin. 38.782355°, -95.269002°. Center as described in 1986. 19 December 2021; 7:15 a.m. to 5:45 p.m.; 27°F to 42°F. Wind S to N 5-10 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Thirteen observers in 7 parties, plus 3 at feeders. Total party-hours 54.1 (5.5 on foot, 48.6 by car), plus 1.8 at feeders, and 4.9 hours owling. Total party-miles 349 (3.5 on foot, 345.5 by car), plus 26.0 miles owling. Total 85 species; 9,741 individuals.

Jan Boyd, Roger Boyd, Bill Busby, Cal Cink (compiler-ccinkbird76@gmail.com), Mary Cink, Mookie Fundemberg, Joe Hoelscher, Scott Kimball, John Kuenzii, Bootsie Lauridsen, Becky McMillen, Danny McMillen, Barbara Pressgrove, Amanda Pumphrey, Nick Pumphrey, Gary Sanden.

Benedictine Bottoms. 39.609167°, -95.134161°. Center as described in 2006. 31 December 2021; 7:30 a.m. to 2:00 p.m.; 30°F to 49°F. Wind calm. Still water partly open, moving water open; cloud cover, a.m. foggy, 51-75%, p.m. overcast. Five observers in 2 parties. Total party-hours 11.5 (2 on foot, 9.5 by car). Total party-miles 117.7 (1.7 on foot, 116 by car). Total 56 species; 21,733 individuals.

Rob Dooley, Heidi Eaton (compiler-hcgenther@gmail.com), Eric Eaton, Joe Hoelscher, John Schukman.

Black Wolf. 38.769021°, -98.362339°. Center as described in 1993. 8 January 2022; 7:30 a.m. to 5:30 p.m.; 19°F to 39°F. Wind W to N 5-15 mph. Still water completely frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties, plus 3 at feeders. Total party-hours 28 (6 on foot, 22 by car), plus 3 hours at feeders, plus 0.5 hours owling. Total party-miles 288.5 (3.5 on foot, 285 by car), no miles reported owling. Total 68 species; 6,962 individuals.

David Klema, Bob Kruger, Robert Penner, Larry Ptacek, Ellen Rader, Heather Rader, Jenn Rader, Mike Rader (compiler-mike_rader@hotmail.com), Roger Schultz, Andrea Skucius, Scott Skucius.

Bonner Springs/Lansing. 39.179439°, -94.900504°. Center as described in 1995. 19 December 2021; 7:00 a.m. to 5:00 p.m.; 22°F to 39°F. Wind S 0-10 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 0-25%. Ten observers in 5 parties, plus 1 at feeders. Total party-hours 34 (8 on foot, 26 by car), plus 1.5

hours at feeders, plus 0.5 hours owling. Total party-miles 256 (9 on foot, 247 by car), plus 2 miles owling. Total 76 species; 9,426 individuals.

JC Avena, Kathy Carroll, Eric Eaton, Heidi Eaton, Malcolm Gold, Melody Miller, Diane Persons, Galen Pittman (compiler-galenpitt@gmail.com), John Schukman, Daniel Williams.

Cheyenne Bottoms. 38.434582°, -98.682986°. Center as described in 2014. 20 December 2021; 8:00 a.m. to 4:00 p.m.; 19°F to 47°F. Wind W to N 6-15 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Fifteen observers in 7 parties, plus 2 at feeders. Total party-hours 32.5 (1.5 on foot, 31 by car), plus 4 hours at feeders, plus 1 hour owling. Total party-miles 350.5 (0.5 on foot, 350 by car), plus 0.25 miles owling. Total 87 species; 3,577,812 individuals.

Levi Beaver, Bob Fiala, Kate Fiala, Jonas Kern, Mandy Kern, Dan Larson, Pam Martin, Joseph Matson, Wes Matson, Elsi Miller, Linda Penner, Robert Penner, Mike Rader, Dan Rogers, Gene Schneeweis, Jason Wagner, Curtis Wolf (compiler-cjwolf@fhsu.edu).

Cimarron National Grasslands. 37.117119°, -101.896033°. Center as described 2015. 1 January 2022; 8:00 a.m. to 5:00 p.m.; 5°F to 13°F. Wind N 15 to 25 mph. Still water partly open, moving water none; cloud cover a.m. overcast, light snow, p.m. overcast, light snow. Snow 1 inch. Five observers in 3 parties. Total party-hours 23 (2 on foot, 21 by car). Total party-miles 245.95 (2.25 on foot, 243.7 by car). Total 39 species; 18,273 individuals.

Kathy Dunning, Tony Leukering, Max Thompson (compiler-maxt@cox.net), Jimmy Woodward, Eugene Young.

Clark County. 37.398144°, -99.913001°. Center as described in 2010. 8 January 2022; 8:00 a.m. to 5:00 p.m.; 25°F to 48°F. Wind N to NW 5-21 mph. Still water partly open, moving water frozen; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 4 parties. Total party-hours 14.5 (3.5 on foot, 11 by car). Total party-miles 131 (2 on foot, 129 by car). Total 74 species; 8,750 individuals.

Henry Armknecht, Doris Burnett, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Dave Linsenmeyer, Christi McMillen, Stan McMillen, Franklin Miller, Michael Miller, Seth Miller, Kurtis Meier, Sara Shane, Tom Shane.

Council Grove. 38.685573°, -96.506701°. Center as described in 2011. 31 December 2021; 7:30 a.m. to 4:15 p.m.; 19°F to 46°F. Wind S 0-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties, plus 1 at feeders. Total party-hours 29 (5 on foot, 24 by car), plus 1 hour at feeders, plus 1 hour owling. Total party-miles 160 (5 on foot, 155 by car), plus 8 miles owling. Total 84 species; 23,385 individuals.

Jessica Hastings, Dana Howard, Steve Howard, Jennifer Malcolm, Jim Malcolm (compiler-iambirding@prodigy.net), Elmer Schroeder, Justin Schroeder, Katherine Schroeder.

Dodge City. 37.777060°, -100.012287°. Center as described in 1985. 31 December 2021; 7:30 a.m. to 5:00 p.m.; 26°F to 58°F. Wind S to NW 10-40 mph. Still

water open, moving water partly open, cloud cover, a.m. 26-50%, p.m. overcast. Twenty-two observers in 8 parties, plus 1 at feeders. Total party-hours 37.25 (7.25 on foot, 30 by car), plus 1 hour at feeders, plus 3 hours owling. Total party-miles 314.25 (6.25 on foot, 308 by car), plus 58 miles owling. Total 70 species, 65,261 individuals.

Ever Armenta, Dana Bradley, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Debbi Conrardy, Brett Drogemeier, Kathy Dunning, Colton Farra, Jon Farra, Marissa Farra, Austin Jacobs, Tony Luekering, Christi McMillen, Stan McMillen, Tamara Robertson, Joshua Romero, Marcos Sanchez, Sara Shane, Tom Shane, Connor Stukenholtz, Abbey Turner, Bill Turner, Eduardo Villanueva, Cassie Wells.

El Dorado Lake. 37.862000°, -96.804400°. Center as described in 2003. 27 December 2021; 8:15 a.m. to 5:00 p.m.; 36°F to 50°F. Wind NNE to SSW 5 to 10 mph. Still water open, moving water open; cloud cover, a.m. 51-75%, p.m. 76-95%. Nine observers in 6 parties, plus 1 at feeders. Total party-hours 39.15 (9.65 on foot, 29.5 by car), plus 0.5 hours at feeders. Total party-miles 287.7 (11.3 on foot, 276.4 by car). Total 88 species, 12,588 individuals.

Vanessa Bergman, Vickie Cikanek, Kevin Groeneweg, Bruce LaSacer, Patty Marlett, Jim Nickel, Atcha Nolan (compiler-qanolan1942@gmail.com), Mike Nolan, Carolyn Schwab, Rod Wedel, Dennis Zehr.

Emporia. 38.448579°, -96.079284°. Center as described in 1985. 19 December 2021; 7:30 a.m. to 5:45 p.m.; 14°F to 38°F. Wind S 0 to 13 mph. Still water partly open, moving water open; cloud cover, a.m. 51-75%, p.m. 0-25%. Six observers in 3 parties. Total party-hours 17.5 (13 on foot, 4.5 by car), plus 1.5 hours owling. Total party-miles 123.5 (10.5 on foot, 113 by car), plus 3 miles owling. Total 83 species; 30,034 individuals.

Denise Cameron, Brandon Clark, Meagan Fernandez, Owen Harbison, Bill Jensen (compiler-wjensen1@emporia.edu), Michele Kessler, Alexis Powell.

Fort Riley. 39.160000°, -96.775000°. Center as described in 2008. 16 December 2021; 7:00 a.m. to 3:30 p.m.; 29°F to 49°F. Wind SW to W 7-3 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 7 parties. Total party-hours 55 (29 on foot, 26 by car). Total party-miles 253 (22 on foot, 231 by car). Total 75 species; 4,237 individuals.

Tom Duckworth, Brian Herrin, Mike Houck (compiler-mike.p.houck.civ@gmail.com), Levy Jones, Jeff Keating, Stan Marshall, Kelsey McCullough, Brian Monser, Caroline Skidmore, Alex Thornburg, Steve Wahle.

Garden City. 37.916637°, -100.801463°. Center as described in 2001. 18 December 2021; 8:30 a.m. to 5:00 p.m.; 10°F to 36°F. Wind NW 3-2 mph. Still water partly open, moving water none; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 7 parties, plus 4 at feeders. Total party-hours 52 (14.8 on foot, 37.2 by car), plus 5.25 hours at feeders. Total party-miles 340.4 (8.4 on foot, 332 by car). Total 52 species; 21,329 individuals.

Mary Buchele, Jeff Calhoun, Kurtis Meier, Art Nonhof, Karen Nonhof, Jamie Osterbuhr, Kas Osterbuhr, Mike Ramsey (compiler-mramsey@hmbcr.com), Rance Schreibvogel, Sara Shane, Tom Shane, Anthony Zukoff.

Halstead/Newton. 38.043040°, -97.472938°. Center as described in 1970. 18 December 2021; 7:00 a.m. to 4:30 p.m.; 21°F to 38°F. Wind N to NW 10-25 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 0-25%. Thirteen observers in 5 parties. Total party-hours 33.64 (15.96 on foot, 17.68 by car). Total party-miles 256.1 (19.6 on foot, 236.5 by car). Total 71 species 29,676 individuals.

Henry Armknecht, Vanessa Bergman, Gregg Friesen, Matt Gerlach, Piper Gerlach, Brad Guhr, Lorna Harder (compiler-lornajhh@gmail.com), David Kreider, Mark Kreider, Kyle Miller, Jim Nickel, Carolyn Schwab, Jayden Soukup, Joe Soukup, Rod Wedel.

Hays. 38.834547°, -99.401859°. Center as described in 1987. 18 December 2021; 8:30 a.m. to 12:30p.m.; 15°F to 25°F. Wind NNW to N 15 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 26-50%. Seven observers in 4 parties, plus 3 at feeders. Total party-hours 14.75 (1.5 on foot, 13.25 by car), plus 3 hours at feeders. Total party-miles 199 (2 on foot, 197 by car). Total 38 species; 10,596 individuals.

Medhavi Ambardar (compiler-medhavi.a@gmail.com), Adam Conklin, David Levering, Kim Perez, Dean Stramel, Jim Strine, Leslie Watson-Divittore.

Holton. 39.463006°, -95.725506°. Center as described in 2011. 27 December 2021; 7:30 a.m. to 3:30 p.m.; 38°F to 45°F. Wind NW to E 0-15 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast. Ten observers in 4 parties. Total party-hours 30.5 (2.5 on foot, 28 by car). Total party-miles 191.25 (2.25 on foot, 189 by car). Total 79 species; 6,519 individuals.

Judy Billings, Diana Busey, Debbie McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Janeen Walters, John Zempel, Linda Zempel.

John Redmond Reservoir. 38.274807°, -95.820825°. Center as described in 1993. 18 December 2021; 7:30 a.m. to 4:30 p.m.; 28°F to 52°F. Wind N to NW 10-20 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 76-95%. Nineteen observers in 8 parties. Total party-hours 44.75 (6.75 on foot, 38 by car), plus 1.5 hours at feeders, plus 1.25 hours owling. Total party-miles 408.5 (7.5 on foot, 401 by car), plus 12 miles owling. Total 87 species; 68,149 individuals.

Katie Basiotis, Jerri Cannon, Tom Cannon, Bob Culbertson (compiler-bob.culbertson@kaws.org), Carol Culbertson, Wes Fleming, Adalia Goff, Caitlin Goff, Eugene Goff, Gabriel Goff, Lila Goff, Dan Larson, Alex Lyon, Tim Menard, Jim Minnerath, Marin Ramirez, Scott Satterthwaite, Logan Smith, Jordan Wooderson.

Junction City. 39.000566°, -96.880836°. Center as described in 1992. 27 December 2021; 7:30 a.m. to 4:30 p.m.; 34°F to 45°F. Wind W to SW 0-6 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 76-95%. Four observers in 2 parties. Total party-hours 14 (1.75 hours on foot, 12.25 hours by car), plus 0.5 hours owling. Total party-miles 193.2 (2.2 miles on foot, 191 by car), plus 10 miles owling. Total 57 species; 4,027 individuals.

Marcia Abbick, Jane Hebert, Robert Kruger, Chuck Otte (compiler-cotte@twinvalley.net).

Kanopolis Reservoir. 38.609862°, -97.852696°. Center as described in 1983. 12 December 2021; 8:00 a.m. to 5:00 p.m.; 32°F to 54°F. Wind S to SW 15-40 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Five observers in 4 parties. Total party-hours 26.5 (13.5 on foot, 13 by car), plus 0.5 hours owling. Total party-miles 213.5 (9.5 on foot, 204 by car), plus 5 miles owling. Total 76 species; 12,810 individuals.

Henry Armknecht, Dave Klema, Robert Kruger (compiler-robekruger118@gmail.com), Mike Rader, Roger Schulte.

Lawrence. 38.993330°, -95.311110°. Center as described in 1981. 18 December 2021; 7:00 a.m. to 5:00 p.m.; 28°F to 33°F. Wind NW 10-18 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. overcast. Twenty-nine observers in 16 parties, plus 9 at feeders. Total party-hours 121 (58.5 on foot, 56.5 by car, 6 by ATV and bicycle), plus 28.5 hours at feeders, and 6 hours owling. Total party-miles 467.5 (57.5 on foot, 397 by car, 13 by ATV and bicycle), plus 7 miles owling. Total 101 species; 26,697 individuals.

Bob Antonio, Rebecca Atchley, Jill Barringer, Kelly Barth, Roger Boyd, Jan Breshnahan, Jim Breshnahan, Kathy Carroll, Dave Chaffee, Pam Chaffee, Cal Cink, Allison Godek, Lisa Grossman, Peter Grund, Scott Kimball, Kathy Klocke, Thomas Koffel, Matt Longbaugh, Susan Magnoli, Rachele Patterson, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Christopher Rogers, Kim Sain, Dawn Sharp, Phil Wedge, Joyce Wolf, Ron Wolf, Molly Zahn.

Leavenworth-Atchison. 39.389810°, -95.011063°. Center as described in 1992. 27 December 2021; 7:30 a.m. to 5:00 p.m.; 38°F to 52°F. Wind N to NW 10-15 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 51-75%. Four observers in 4 parties, plus 1 at feeders. Total party-hours 20 (4.5 on foot, 15.5 by car), plus 2 hours at feeders. Total party-miles 193.5 (3.5 on foot, 190 by car). Total 71 species; 11,162 individuals.

John Bollin, Robert Dooley, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com), Brian Voorhees.

Linn County. 38.286910°, -94.752250°. Center as described in 2016. 14 December 2021; 7:15 a.m. to 5:30 p.m.; 37°F to 65°F. Wind S to SW 5-15 mph. Still water open, moving water open; cloud cover, a.m. 51-75%, p.m. 76-95%. Ten observers in 5 parties. Total party-hours 43 (9 on foot, 34 by car), plus 2.5 hours owling. Total party-miles 338.5 (13.5 on foot, 325 by car), plus 9 miles owling. Total species 93; 1,051,967 individuals.

Dan Arney, Jan Boyd, Roger Boyd (compiler-rboydbird69@gmail.com), Kathy Ellis, Mookie Fudemberg, Malcolm Gold, Mark Land, Janet Reynolds, Rose Reynolds, Terry Swope.

Manhattan. 39.188659°, -96.580997°. Center as described in 1993. 18 December 2021; 7:30 a.m. to 4:30 p.m.; 28°F to 26°F. Wind N to NNW 5-15 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 0-25%. Forty-three observers in 19 parties, plus 9 at feeders. Total party-hours 99.5 (42.75 on foot, 56.75 by car), plus 16.8 hours at feeders, plus 0.75 hours owling. Total party-miles 417.2

(32.7 on foot, 384.5 by car), plus 0.1 miles owling. Total 94 species; 27,880 individuals.

Colleen Brown, Doris Burnett, Ted Cable, Henry Castro-Miller, Gregory Clark, Elizabeth Dodd, Michael Donnelly, Victoria Gaa, Jerry Grasso, Gary Haden, Carole Anne Harbors, Joe Hawes, Kristin Hobbs, Angela Hubler, Cindy Jeffrey, Gary Jeffrey, Lowell Johnson, Duane Kerr, Gary Kerr, Leif Kerr, Ron Klataske, Jim Koelliker, Marilyn Koelliker, Steve Kramer, Mark Mayfield (compiler-markherb@ksu.edu), Ben Miller, Elliot Miller, Isaac Miller, Ed Pembleton, Sil Pembleton, Ved Prakash, Miriam Reynaldo, David Rintoul, Diane Row, John Row, Marla Shoemaker, Katie Silber, Gayla Snyder, Gerry Snyder, Jacque Staats, Daniel Swenson, Katherine Swenson, Scott Taylor, Carla Trecek, Russell Trecek, Elisabeth Vanderlip, Rachel Wahle, Judy Willingham, Pate Willingham, Kimberly With.

Marion. 38.377227°, -97.074830°. Center as described in 1993. 30 December 2021; 8:00 a.m. to 5:00 p.m. 22°F to 50°F. Wind S 0-5 mph. Still water partly open, moving water open; cloud cover, a.m. foggy, p.m. 26-50%. Seven observers in 5 parties, plus 1 at feeders. Total party-hours 36 (11 on foot, 25 by car), plus 1 hour at feeders. Total party-miles 347.1 (14.3 on foot, 332.8 by car). Total 80 species; 11,142 individuals.

Tom Ewert (compiler-trewert@yahoo.com), Kevin Groeneweg, Lisa Hoffman, Patty Marlett, Jim Nickle, Carolyn Schwab, Rod Wedel.

Olathe. 38.912700°, -94.852157°. Center as described in 1987. 18 December 2021; 7:00 a.m. to 4:00 p.m.; 28°F to 36°F. Wind NNW to SSE 5-15 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 76-95%. Twenty-six observers in 16 parties, plus 3 at feeders. Total party-hours 50.1 (43.85 on foot, 6.25 by car), plus 5.5 hours at feeders, and 0.5 hours owling. Party-miles 122.95 (59.36 on foot, 63.59 by car), plus 1.1 miles owling. Total 75 species; 10,259 individuals.

Rosalie Ast, JC Avena, Aaron Batterbee, Walt Cochran, Wayne Dahl, Kristen Dickerson, Matt Gearhart, Malcolm Gold, Zac Lavicky, Micky Louis, Rosanna Munoz (compiler-rosannamunoz@hotmail.com), Steve Phillips, Randy Ray, Jen Reynolds, Kathryn Slinkard, Marci Snead, Terry Swope, Ann Tanner, Mark Tarry, Deb Wald, Jim Walton, Brian White, Jeff Witters, Missy Yates.

Olsburg. 39.428262°, -96.644070°. Center as described in 1991. 21 December 2021; 7:30 a.m. to 5:30 p.m.; 17°F to 40°F. Wind N to NW 0-5 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Seven observers in 5 parties plus 2 at feeders. Total party-hours 31.5 (8.5 on foot, 23 by car), plus 6 hours at feeders. Total party-miles 220.13 (3.26 on foot, 216.87 by car). Total 73 species; 434,615 individuals.

Henry Armknecht, Bill Edwards, Ruth Hooper, Cindy Jeffrey (compiler-cinraney@ksu.edu), Gary Jeffrey, Jay Jeffrey, Dave Rintoul.

Oskaloosa/Perry Lake. 39.201493°, -95.403925°. Center as described in 1980. 19 December 2021; 7:00 a.m. to 5:30 p.m.; 18°F to 38°F. Wind N 5-10 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Twenty-six observers in 11 parties. Total party hours 68.85 (4.35 on foot, 64.5 by car). Total party-miles 406.7 (4.2 by foot, 402.5 by car). Total 85 species; 11,161 individuals.

Bob Antonio, Diane Busey, David Chaffee, Pam Chaffee, Elaine Corder, Mark Corder, Jennifer Delisle, Dena Friesen, Iris Grund, Peter Grund, Kaylynn Hobelman, Susan Iversen, Jennifer Jones, Mike Laird (compiler-mikelaird49@outlook.com), Sheila Laird, Debra McKee, Sue Newland, Mark Pheasant, David Plinsky, Marie Plinsky, Tara Porter, Roseanne Smith, Janeen Walters, Molly Zahn, John Zempel, Linda Zempel.

Parsons. 37.478425°, -95.260380°. Center as described in 1996. 20 December 2021; 7:15 a.m. to 5:00 p.m.; 24°F to 38°F. Wind S to SE 3-8 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 6 parties. Total party-hours 38.35 (9.25 on foot, 29.1 by car), plus 1 hour owling. Total party-miles 202.8 (8.2 on foot, 194.6 by car), plus 3 miles owling. Total 97 species; 23,978 individuals.

Father Bowen, Jayden Bowen, Andrew Burnett (compiler-aburnett9180@gmail.com), Ella Burnett, Jeff Cox, Andrew George, Nathan George, Cheryl Haley, Ryan Lies, Ed Miller, Rick Tucker.

Quivira National Wildlife Refuge. 38.145925°, -98.491804°. Center as described in 1972. 14 December 2021; 7:15 a.m. to 6:00 p.m.; 42°F to 68°F. Wind S to SW 10 to 25 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Thirteen observers in 9 parties. Total party-hours 52.5 (9.25 on foot, 43.25 by car). Total party-miles 444 (6 on foot, 438 by car). Total 98 species; 63,494 individuals.

Levi Beaver, Lora Beaver, Hunter Bohn, Diana Busey, Bob Gress, Dan Larson, Rachel Laubhan, Patty Marlett, Linda Penner, Robert Penner, Mike Rader (compiler-mike_rader@hotmail.com), Scott Seltman, Dennis Zehr.

Red Hills. 37.234191°, -98.686843°. Center as described in 1994. 2 January 2022; 8:00 a.m. to 5:00 p.m.; 7°F to 27°F. Wind N to SW 7 to 13 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Snow 0.5 inches. Seven observers in 4 parties. Total party-hours 32 (13.5 on foot, 18.5 by car), plus 1.5 hours owling. Total party-miles 246 (9 miles on foot, 237 by car), plus 10 miles owling. Total 87 species; 6,890 individuals.

Henry Castro-Miller, Kevin Groeneweg, Pete Janzen (compiler-pete.janzen@sbcglobal.net), Patty Marlett, Zach Poland, Jane Queal, Lauren Sill.

Saint Marys. 39.194100°, -96.071091°. Center as described 2017. 31 December 2021; 8:00 a.m. to 5:30 p.m.; 37°F to 41°F. Wind N to NW 15-5 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. 76-95%. Sixteen observers in 7 parties. Total party-hours 43.7 (5 by foot, 38.7 by car), plus 1.11 hours owling. Total party-miles 265.83 (4.96 on foot, 260.87 by car), plus 17.4 miles owling. Total 76 species; 85,681 individuals.

Judy Billings, Coleen Brown, Antonio Castenada, Sunshine Castenada, Dan Larson, Debra McKee (compiler-grmasmurf@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Daryl Rutschmann, Leslie Rutschmann, Sam Schermerhorn, Tom Schermerhorn, Logan Smith, Carla Trecek, Janeen Walters.

Salina. 38.841702°, -97.630868°. Center as described in 1983. 18 December 2021; 8:00 a.m. to 5:30 p.m.; 18° to 34°F. Wind N to S 4 -16 mph. Still water partly open, moving water open; cloud cover, a.m. 76-95%, p.m. 0-25%. Eighteen observers in 4 parties, plus 1 at feeders. Total party-hours 33.75 (10.5 on foot, 23.25 by car), plus 0.2 hours at feeders. Total party-miles 194 (8 on foot, 186 by car). Total 71 species; 6,631 individuals.

Aaron Anders, Jackie Augustine, Nicole Beck, Steve Cassel, Dave Klema, Kaleb Kroeker, Byron Grauerholz (compiler-blgrauerholz@yahoo.com), Kevin Haight, Cheryl Higgins, Mary Miles, Bonnie Neubrand, Mark Neubrand, Shannon Rayl, Addison Renfro, Claire Renfro, Clark Renfro, Mallory Renfro, Roger Schultz.

Sawyer. 37.529075°, -98.702457°. Center as described in 1990. 21 December 2021; 8:00 a.m. to 4:45 p.m.; 21°F to 61°F. Wind SW to NE 5-12 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. 51-75%. Fourteen observers in 5 parties. Total party-hours 22.5 (3.5 on foot, 19 by car). Total party-miles 199.25 (3.25 on foot, 196 by car). Total 79 species; 18,377 individuals.

Aaron Austin, Kevin Becker, Ken Brunson, Kali Boroughs, Jeff Conley, Zack Cordes, Chelsea Hofmeier, Jordan Hofmeier (compiler-jordan.hofmeier@ks.gov), Diedre Kramer, Jessica Mounts, Jane Queal, Mike Rader, Lauren Sills, Ryan Waters.

Scott Lake. 38.583882°, -100.907423°. Center as described in 1987. 12 December 2021; 7:00 a.m. to 5:30 p.m.; 21°F to 68°F. Wind S 0-15 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 6 parties, plus 1 at feeders. Total party-hours 30 (10 on foot, 20 by car), plus 1 hour at feeders, plus 1 hour owling. Total party-miles 248 (8 on foot, 240 by car), plus 2 miles owling. Total 70 species; 17,291 individuals.

Don Brau, Carla Brown, Christi McMillen, Stan McMillen, Art Nonhof, Karen Nonhof, Mike Ramsey, Carolyn Schwab, Sara Shane (compiler-sjns4422@gmail.com), Tom Shane, Carla Trecek, Rod Wedel.

Sedan. 37.145072°, -96.163494°. Center as described in 2016. 21 December 2021; 8:00 a.m. to 4:00 p.m.; 23°F to 50°F. Wind S to N 0-5 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 26-50%. Ten observers in 5 parties. Total party-hours 36.5 (5 on foot, 31.5 by car). Total party miles 260.2 (5 on foot, 255.2 by car). Total 82 species; 4,484 individuals.

Vickie Cikanek, Tom Ewert, Kevin Groeneweg, Isaac Harvey, Sue Kill, Paul King, Patty Marlett, Atcha Nolan (compiler-qanolan1942@gmail.com), Carolyn Schwab, Rod Wedel.

Slate Creek Wetlands. 37.232244°, -97.249507°. Center as described in 2014. 29 December 2021; 7:45 to 5:30 p.m.; 25° to 46°F. Wind NNE 0-12 mph. Still water partly open, moving water open; cloud cover, a.m. 51-75% to overcast, p.m. 0-25%. Four observers in 2 parties. Total party-hours 18 (3.5 on foot, 14.5 by car), plus 1.75 hours owling. Total party-miles 159.5 (3 on foot, 156.5 by car) plus 24 miles owling. Total 80 species; 21,197 individuals.

Kevin Groeneweg, Patty Marlett, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

Southeast KS Mined Land. 37.230288°, -94.968988°. Center as described in 1992. 2 January 2022; 7:45 a.m. to 5:15 p.m.; 12°F to 24°F. Wind N to NW 5-15 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 22.7 (4 on foot, 18.7 by car). Total party-miles 110 (4 on foot, 106 by car). Total 68 species; 3,585 individuals.

Cindy Ford, Steven Ford, Chad Gardner, Andrew George (compiler-adgeorge@pittstate.edu), Don Weidemann, Marion Weidemann.

Tallgrass Prairie National Preserve. 38.434226°, -96.559501°. Center as described in 2010. 8 January 2022; 8:00 a.m. to 4:33 p.m.; 37°F to 45°F. Wind SE to N 4-8 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast p.m. overcast. Eight observers in 2 parties. Total party-hours 13.3 (10.3 on foot, 3 by car). Total party-miles 17.7 (11.4 on foot, 6.3 by car). Total 41 species; 946 individuals.

Denise Cameron (compiler-dcamero2@g.emporium.edu), Tony Capizzio, Brandon Franta, Owen Harbison, Kristen Hase, Michele Kessler, Dan Larson, Shawn Porter.

Topeka. 39.048198°, -95.678162°. Center as described in 1972. 23 December 2021; 7:25 a.m. to 5:00 p.m.; 39°F to 58°F. Wind W to E 0-5 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty-three observers in 11 parties, plus 1 at feeders. Total party-hours 79 (30 on foot, 49 by car), plus 6 hours at feeders, plus 1.0 hour owling. Total party-miles 379 (31 on foot, 348 by car), plus 0.6 miles owling. Total 85 species; 23,689 individuals.

Judy Billings, Diana Busey, Randy Carman, Becky Drager, Kirk Drager, Kelly Haller, Jennifer Jones, Jim Mannell, Sam Mannell, Terry Mannell, Debra McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Logan Smith, Spencer Smith, Vivien Smith, Jay VanBlaricum, Katie VanBlaricum, Janeen Walters, John Zempel, Linda Zempel.

Udall/Winfield. 37.264828°, -96.973753°. Center as described 1972. 19 December 2021; 8:00 a.m. to 5:00 p.m.; 12°F to 42°F. Wind S 0-12 mph., Still water partly open, moving water partly open; cloud cover a. m. 0-25%, p.m. 0-25%. Nine observers in 4 parties. Total party-hours 33.5 (3.5 on foot, 30 by car), plus 1.5 hours owling. Total part-miles 352.25 (2.35 on foot, 349.9 by car), plus 20 miles owling. Total species 91; 22,856 individuals.

Betty Anderson, Duane Anderson, Henry Armknecht, Tom Ewert, Kevin Groeneweg, David Reed, Travis Ross, Max Thompson (compiler-maxt@cox.net), Eugene Young.

Waconda Lake. 39.466249°, -98.358460°. Center as described in 1992. 14 December 2021; 7:45 a.m. to 5:00 p.m.; 24°F to 59°F. Wind SSE to SSW 5-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. One observer in 1 party. Total party-hours 9.25 (1 on foot, 8.25 by car). Total party-miles 79.25 (0.75 on foot, 78.5 by car). Total 74 species; 52,476 individuals.

Henry Armknecht (compiler-armknecht@ruraltel.net).

Wakefield. 39.220150°, -96.966367°. Center as described in 1993. 19 December 2021; 8:00 a.m. to 3:15 p.m.; 10°F to 45°F. Wind E to SW 0-20 mph. Still water open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Four observers in 3 parties, plus 1 at feeders. Total party-hours 17.5 (2 on foot, 15.5 by car), plus 3 hours at feeders, plus 0.5 hours owling. Total party-miles 151.75 (1.75 on foot, 150 by car), plus 10 miles owling. Total 48 species; 8,601 individuals.

Marcia Abbick, Jeff Keating, Robert Kruger, Chuck Otte (compiler-cotte@twinvalley.net), Jaye Otte.

Webster Reservoir. 39.423129°, -99.407639°. Center as described in 1992. 30 December 2021; 7:45 a.m. to 5:15 p.m.; 8°F to 50°F. Wind S 5-15 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Three observers in 2 parties. Total party-hours 16.5 (7 on foot, 9.5 by car). Total party-miles 171 (1 on foot, 170 by car). Total 73 species; 168,930 individuals.

Robert Penner, Mike Rader (compiler-mike_rader@hotmail.com), Scott Seltman.

Wichita. 37.691340°, -97.349680°. Center as described in 1955. 18 December 2021; 7:30 a.m. to 5:30 p.m.; 28°F to 35°F. Wind NNW to N 12-20 mph. Still water open, moving water open; cloud cover, a.m. 51-75%, p.m. 0-25%. Seventeen observers in 8 parties, plus 2 at feeders. Total party-hours 59 (33.25 on foot, 25.75 by car), plus 5.5 hours at feeders, plus 1.5 hours owling. Total party-miles 339.75 (32.75 on foot, 307 by car), plus 11 miles owling. Total 92 species; 29,244 individuals.

Jan Capps, Jeremy Coleman, Kylie Dauber, Tom Ewert, Harry Gregory, Bob Gress, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Pete Janzen, Michael Jungen, Douglas Lamoureux, Jim Marlett, Patty Marlett, Mark Nolen, Dave Pettus, Ian Pettus, Dale Randall, Eddie Stegall, Cindy Vadakin, Curt VanBoening.

Wilson Lake. 38.944288°, -98.571752°. Center as described in 1994. 19 December 2021; 7:00 a.m. to 6:00 p.m.; 12°F to 48°F. Wind S 10-25 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 6 parties. Total party-hours 38 (15.5 on foot, 22.5 by car). Total party-miles 308 (12 on foot, 296 by car). Total 83 species; 84,559 individuals.

Dan Baffa, David Klema, Linda Penner, Robert Penner, Ellen Rader, Jenn Rader, Mike Rader (compiler-mike_rader@hotmail.com), Doug Rudick, Roger Schultz, Scott Seltman, Logan Smith, Bryan Thom.

Yoder. 37.897589°, -97.866716°. Center as described in 2000. 15 December 2021; 8:00 a.m. to 1:00 p.m.; 21°F to 54°F. Wind S to N 21-54 mph. Still water open, moving water open; cloud cover, a.m. 51-75%, p.m. 51-75%. Eleven observers in 8 parties. Total party-hours 23.5 (4.5 on foot, 19 by car). Total party-miles 360 (7 on foot, 353 by car). Total 54 species; 145,104 individuals.

Allen Asmussen, Levi Beaver, Lora Beaver, Stephanie Carlson, Daniel Dyck, Linda Dyck, John Gallagher (compiler-jgallagher@gmail.com), Steven Kinser, Jay Miller, Verna Miller, Jim Smith.

**Table 1. 2021-2022 KOS CBC.
Species**

	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron Nat. Grass	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Black-bellied Whistling-Duck			300	20020	2	3750	54651	143	6	4000	30312	1	7338	23
Snow Goose						25	10	13		14	991		27	
Ross's Goose							341			516	54		41	
Greater White-fronted Goose		4	131	35	12					323	465		685	60
Cackling Goose	7	279	33	2	70	11	10	350	115	21	1307	1973	4470	637
Canada Goose	680	449	2293	230	1140	2510	2023	148	100	255				
Trumpeter Swan														
Tundra Swan														
swan species														
Wood Duck		2												5
Blue-winged Teal														8
Northern Shoveler	81	CW	8			9	2130				350	10	44	28
Gadwall	15	102	174	17		161	38		19	45		87	18	CW
American Wigeon	4	14	28			1			5			10	1	
Mallard	86	294	238	36	11	137	4311		150	520	125	210	316	32
American Black Duck														
Northern Pintail	24					1	655		2		2	10		3
Green-winged Teal	33	CW	2		12		76		35	14	180	86		CW
Canvasback	8	CW											12	
Redhead										7		15	2	1
Ring-necked Duck	27	77	35		CW	9					62	23	10	
Greater Scaup														
Lesser Scaup		CW	10	6		10	39		1	56	6		16	
Long-tailed Duck														
Bufflehead		CW	1	2		2	12			16		3	12	CW
Common Goldeneye		CW	18	14	1	59	23		6	118	2	56	57	10
Hooded Merganser		17	35	6		10	19		3	5		65	31	10
Common Merganser							11		23	15				11
Red-breasted Merganser														
Ruddy Duck						CW	3			17	30		1	2
duck species													45	
Northern Bobwhite	1	16	17		14		12	46	18	37	18	25	22	38
Wild Turkey		5		12	43		18			11		23	26	20
Greater Prairie-Chicken					23									7
Ring-necked Pheasant	4	1			4		16	4	3		16			1
Pied-billed Grebe	1	1	8			3			5	2	1	1	3	
Horned Grebe														
Eared Grebe														
Rock Pigeon	44	27	40	48	48	41	152	81	12	144	2439	63	511	29
Eurasian Collared-Dove	13	16	11		52	8	48	899	141		3926	32	26	
White-winged Dove								15			153			
Mourning Dove	57	3	160	3	40	18	4	24	47	105	1021	14	20	47
Greater Roadrunner														
Virginia Rail														
American Coot	2		20				60		1	60				
Sandhill Crane	454				CW									
Whooping Crane							CW							
American Avocet														
Killdeer		1					1					1		8
Dunlin							2							
Least Sandpiper	2						21							CW
Long-billed Dowitcher														
Wilson's Snipe	2						5							
Spotted Sandpiper														
Greater Yellowlegs							20							
Wilson's Phalarope							CW							
Black-legged Kittiwake														
Bonaparte's Gull										2		26		
Ring-billed Gull		16	1		CW	14	587		1	102		590	894	60
California Gull							1							
Herring Gull							133			3		80	1	
Iceland Gull							1							
Lesser Black-backed Gull							4							
gull species							30						4	
Common Loon						CW								
Double-crested Cormorant		3	1				CW					7	12	1
American White Pelican							281			5		51		
Great Blue Heron	3	2	3			2	31		5	14	6	3	6	3
Great Egret														
Black-crowned Night-Heron														
White-faced Ibis							6							
Black Vulture														
Golden Eagle									1					
Northern Harrier	4	6	42	2	16	3	43	13	20	40	27	23	28	36
Sharp-shinned Hawk		1	2		1	1	1		1	2	9	2	2	2
Cooper's Hawk		1	4		4	2		1		4	9	2		5
Accipiter species														
Bald Eagle	2	12	12	26	5	7	51		2	23		28	26	11
Red-shouldered Hawk		9	25	2		10				4		4	3	1
Red-tailed Hawk (including Krider's)	62	50	165	35	52	45	55	25	29	135	93	52	65	65
Red-tailed (Harlan's) Hawk	1	4	5		1					1		3	1	
Rough-legged Hawk	2				5		5	6	6	8	12	4	6	11
Ferruginous Hawk								7	1				1	
Buteo species													9	
Barn Owl											1			
Eastern Screech-Owl		1	4		1	1	1				5			
Great Horned Owl	1	4	5		2	2	16	2		3	7	3	3	2
Snowy Owl							3							
Barred Owl	1	7	9		1	2			1	2		1	4	5
Long-eared Owl					1									
Short-eared Owl			1		CW	1				3		3	1	
Belted Kingfisher		2	1		1	3			1	2		4	5	
Red-headed Woodpecker		33	13	2		73				3			4	
Red-bellied Woodpecker	11	33	73	16	38	36	7		1	72	1	39	44	43
Yellow-bellied Sapsucker		2	5	1	1	2				2			2	3
Downy Woodpecker	5	26	52	9	16	19	3		3	42	11	20	22	31

Table 1. 2021-2022 KOS CBC.

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron Nat. Grass	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Hairy Woodpecker	3	11	11	1	5	5	2		2	2	6	3	4	4
Northern Flicker unidentified	7	11	56		2	15	6	7	8	17	38	7	22	33
Northern Flicker Yellow-shafted		13	6	17	18	2	14			34	2	7	24	34
Northern Flicker Red-shafted					2		2			2	2		1	2
Pileated Woodpecker		11	10			2				2		5	12	2
American Kestrel	13	22	22	11	19	10	12	6	11	16	24	12	10	6
Merlin	1		1	1				2	2		4			
Peregrine Falcon							1							
Prairie Falcon	3	2	1		2		1	2	3	1	7			1
<i>Falco</i> species														
Eastern Phoebe		1												2
Loggerhead Shrike	10		1							3	1	4		
Northern Shrike					1					1	1	1		2
Blue Jay	2	121	164	21	16	151	8	3	1	144	5	18	24	49
Black-billed Magpie											47			
American Crow	22	197	682	28	43	120	3		6	165		149	155	577
Common Raven								1						
Carolina Chickadee	6	97												
Black-capped Chickadee			95	11	36	65	2			72		53	45	55
Tufted Titmouse	1	52	105	11	1	49				32		21	24	17
Horned Lark	56	18	79	2	338	60	74	7036	83		209	4	30	
Golden-crowned Kinglet	1	15	12	1		23	4		1	11		14	4	9
Ruby-crowned Kinglet	5	7	3	2		8	1		1	2	5	3	2	1
Cedar Waxwing	34	94	53		2	96	22			41		35	9	6
Red-breasted Nuthatch		2	5		2	4	4				12			
White-breasted Nuthatch	1	19	42	12	24	16	9		4	14	11	9	17	26
Brown-headed Nuthatch														
Brown Creeper		9	4		2	2				3	2	2	3	2
Rock Wren														
Winter Wren	1	1	2	1	1	1			1	1	1	3	3	
Sedge Wren														
Marsh Wren					1		1		1					
Carolina Wren	6	24	13	3	12	1	1		3	12	2	11	9	8
Bewick's Wren									3					
Gray Catbird	1										CW			
Brown Thrasher					1									
Northern Mockingbird	1	1	5	2		1	1	1		3	1	1	1	1
European Starling	153	498	1020	600	705	425	2648		658	4364	10062	1722	10389	128
Eastern Bluebird		52	55	12	2	25				144		8	8	22
Mountain Bluebird									3					
Townsend's Solitaire							1		2		3			
Hermit Thrush			1	1		4								
American Robin	308	689	800	82	176	264	593	8	34	3076	335	174	1144	240
House Sparrow	55	43	134	15	165	70	256	735	333	233	1258	30	45	10
American Pipit														
House Finch	2	2	46	2	19	14	29	36	13	87	145	4	13	25
Purple Finch			13	1		3								
Common Redpoll								8						
Pine Siskin			1		2									1
Lesser Goldfinch														
American Goldfinch	11	34	88	10	133	97	52	1	7	24	3	53	47	56
Lapland Longspur	284		92		165		152	6714	1564	109	2815	70		
Smith's Longspur														
Thick-billed Longspur								74						
longspur species								1					40	
Lark Sparrow														
Chipping Sparrow														
Field Sparrow	11	2							1			5		23
Fox Sparrow	8	11	5			6			8	3		9	32	2
American Tree Sparrow	199	32	228	67	1370	42	562	10	99	892	219	513	343	610
Dark-eyed (unidentified) Junco	131	15	614	132	135		358	11	74		250		199	273
Slate-colored Junco		259	53		295	490	145	29		487		377		231
Oregon Junco		2	2		2		2	2		3		5		
Pink-sided Junco								1						
White-crowned Sparrow	74	18	15	15	26	7	2	363	219	26	528	17	5	3
Harris's Sparrow	106	203	52	22	461	23	93	4	19	245	90	295	78	70
White-throated Sparrow	13	19	29	20	CW	63	8		1	22		5	14	6
Vesper Sparrow														
LeConte's Sparrow														
Nelson's Sparrow														
Savannah Sparrow	11	2	1					1	1	4	10	7	3	
Song Sparrow	45	39	24	6	23	20	1	3	10	48	8	28	27	15
Lincoln's Sparrow	2	2		2					1	2		3	2	
Swamp Sparrow		1					3		1				11	
Spotted Towhee					5	1			3	6	6	3	4	1
Eastern Towhee							1					3		2
towhee species														
Yellow-headed Blackbird														
Eastern Meadowlark	18		75	31				1		24		5		
Western Meadowlark	3		291	8	271			59	198	244	3	187		1
<i>Sturnella</i> species	253	271	61	25	443			268		74	78	486	32	102
Red-winged Blackbird	9944	18365	409	20	185	50	3506329	1239	3751	6788	1957	4311	1259	209
Brown-headed Cowbird	991	44	24		40	80		45		495	4	194	17	4
Rusty Blackbird			14		3			1				18	20	26
Brewer's Blackbird	3203	21379			155			12		230	17	78		
Common Grackle	17	6702	2		1			20		7		166		
Great-tailed Grackle											4305	30		
blackbird species	25	1880											922	57
Orange-crowned Warbler											1			
Nashville Warbler								1						
Pine Warbler														
Yellow-rumped "Myrtle" Warbler	3	37	70	2	6	25	11			18	2	9	13	40
Yellow-rumped "Audubon's" Warbler											1			
Northern Cardinal	17	97	165	12	29	83	24		9	159	33	57	33	61
Total Individuals	17698	52946	9741	21733	6962	9426	3577812	18273	8750	23385	65261	12588	30034	4237
Total Species	72	78	85	56	68	76	87	39	74	84	70	88	83	75

Table 1. 2021-2022 KOS CBC.

Species	Garden City	Halstead/Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Olathe	Olzburg
Black-bellied Whistling-Duck														
Snow Goose	10205	9322		1045	37800	70	15	67	4300		7879	CW	830	CW
Ross's Goose		21							1			50	2	
Greater White-fronted Goose	31	227		18	30			11	2	233		342		
Cackling Goose	59	9624		37	87	110		55	2		90	1751	2	
Canada Goose	1031	2357	260	836	3920	864	80	2405	358	252	2584	1664	1125	295
Trumpeter Swan								2						
Tundra Swan					3									
swan species		11												
Wood Duck		28			16						5		2	
Blue-winged Teal								2						
Northern Shoveler				45	589			125	16	23		59	1	
Gadwall				59	128	3	9	253	1	190	31	9	18	3
American Wigeon			13		15		15	23	1	8				6
Mallard	6	196	45	125	7776	8	252	1615	240	12500	335	443	160	16884
American Black Duck								1						
Northern Pintail					300		8		3	401	CW			42
Green-winged Teal		1		5	4		7	182	6	30	12			18
Canvasback				1	1		14		7		3	1		28
Redhead			6				3	1	1		1			45
Ring-necked Duck				25	152		48	28	20	3	2	3		16
Greater Scaup				1									4	
Lesser Scaup				10	1		5	9	3	1	2	57		44
Long-tailed Duck														
Bufflehead		1		1	1		21	34			28	9		4
Common Goldeneye				73	160	9	355	76	11	4	151	188	6	22
Hooded Merganser				14	43			97	1		134	11	1	66
Common Merganser				2		25		2			17	66	1	2492
Red-breasted Merganser											CW			
Ruddy Duck											4			
duck species		1								25			3	2000
Northern Bobwhite	30			22	30	17		1			72	2		19
Wild Turkey		13	15	30	10	CW		17	6	2	157			40
Greater Prairie-Chicken											9	CW		
Ring-necked Pheasant	7	1	4				1				1	2		
Pied-billed Grebe	11			1	2	1	1	14		26	1	2	7	3
Horned Grebe														
Eared Grebe					1									
Rock Pigeon	1121	179		14	31	22	12	39	40	49	144	68	137	19
Eurasian Collared-Dove	1603	45	17	4	7	4	14	1	10	8	10	25		2
White-winged Dove	182													
Mourning Dove	2	49		174	63	44	14	102	2	6	207	45	112	78
Greater Roadrunner														
Virginia Rail														
American Coot	3				50	130	7	177		46	CW	15		1472
Sandhill Crane														
Whooping Crane														
American Avocet														
Killdeer					2	2	1		7	9		7	2	
Dunlin														
Least Sandpiper														
Long-billed Dowitcher														
Wilson's Snipe		1												
Spotted Sandpiper														
Greater Yellowlegs														
Wilson's Phalarope														
Black-legged Kittiwake								1						
Bonaparte's Gull					97		130	70		1056	1	9		5
Ring-billed Gull				5	740	67	76	4990	4	42	399	266	3268	20
California Gull														
Herring Gull							3	8		1	CW	3		1
Iceland Gull														
Lesser Black-backed Gull														
gull species							500						16	162
Common Loon					5			1		11				
Double-crested Cormorant				3	155	1	54	4		31	39		9	5
American White Pelican					375	3	146	6				111		
Great Blue Heron		7	2	2	17	4	3	9	1	8	16	8	9	2
Great Egret														
Black-crowned Night-Heron														
White-faced Ibis														
Black Vulture														
Golden Eagle		CW								1				
Northern Harrier	16	8	6	7	124	3	16	7	3	52	24	14	1	33
Sharp-shinned Hawk	3	2			5	1		5		2	7	1	4	2
Cooper's Hawk		1	1	1	2	2	1	9	1	2	7	1	6	
Accipiter species														
Bald Eagle		4		19	34	5	2	26	34	12	116	22	11	17
Red-shouldered Hawk				12	5			23	2	13	2	1	11	3
Red-tailed Hawk (including Krider's)	42	67	11	44	98	34	25	89	23	150	72	61	60	102
Red-tailed (Harlan's) Hawk			CW		1			1		5	4			10
Rough-legged Hawk	7			2	3	1	6	1		2	7	1		9
Ferruginous Hawk	2													
Buteo species	5	1												9
Barn Owl														
Eastern Screech-Owl							1	3			CW			
Great Horned Owl	3	2		1	2	2	6	7	1	2	4	1	1	2
Snowy Owl								CW						
Barred Owl		1		3	3	1	2	7	1	12	7	2	4	6
Long-eared Owl				1										
Short-eared Owl										4				
Belted Kingfisher		1		4		3	3	9	1	1	4	2	4	1
Red-headed Woodpecker				2	4			18	4	159	1		7	
Red-bellied Woodpecker		41	1	57	31	15	33	145	26	59	119	63	106	23
Yellow-bellied Sapsucker		1		1	1		2	4	1	3	8		6	CW
Downy Woodpecker	6	22	3	38	16	8	14	114	11	39	92	36	91	15

Table 1. 2021-2022 KOS CBC. Species	Garden City	Halstead/ Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Olathe	Olsburg
Hairy Woodpecker	1	2	2	2	3	1	5	19	2	7	6	7	15	5
Northern Flicker unidentified	13	19	6	31	18		17	22	11	59	39	16	58	35
Northern Flicker Yellow-shafted		9			10	13	15	116	1		45			2
Northern Flicker Red-shafted	1	1					1							
Pileated Woodpecker				1	8			12	4	8	15	3	10	
American Kestrel	5	17	4	11	20	11	16	17	14	9	8	21	6	3
Merlin	3	2						1		1	5	1	1	CW
Peregrine Falcon														
Prairie Falcon	3	1	2		3					1	1	3		
<i>Falco</i> species		1												
Eastern Phoebe														
Loggerhead Shrike					2		1			6				
Northern Shrike										1				
Blue Jay	13	23	CW	40	86	19	14	253	66	186	129	29	176	131
Black-billed Magpie	4						CW							
American Crow		125	1	225	175	146	45	512	111	272	4911	135	172	408057
Common Raven														
Carolina Chickadee														
Black-capped Chickadee		106	4	65	40	6	37	284	32	67	221	102	206	45
Tufted Titmouse		27		20	16	5		123	22	60	56	23	109	16
Horned Lark	313	175	740		93	17	27	100		48	26	251	8	
Golden-crowned Kinglet		1		5	3		3	27	12	10	18	15	41	4
Ruby-crowned Kinglet	1	3	1	1			8	17	3	7	11	2	35	
Cedar Waxwing	12	3		52	19		3	203	22	37	233	25	17	
Red-breasted Nuthatch	11	3	2		1	CW	7	2			14	5	6	3
White-breasted Nuthatch	3	16	4	20	7	1	14	69	23	26	52	14	43	24
Brown-headed Nuthatch	1													
Brown Creeper	1	1		3	1		1	19	2	1	5		19	1
Rock Wren														
Winter Wren		1		2	1			2	2	1	2	4	4	1
Sedge Wren				1				1						
Marsh Wren								1						
Carolina Wren		12	1	1	1	1	8	37	4	9	32	18	40	4
Bewick's Wren											1			
Gray Catbird		1									1			
Brown Thrasher														2
Northern Mockingbird		1		4	2		3	2	1	5		3	3	
European Starling		2076	1423	337	330	1001	418	1510	186	5000	2347	513	340	95
Eastern Bluebird		9		38		10	27	89	13	54	67	4	98	19
Mountain Bluebird														
Townsend's Solitaire	7		1						1		1			
Hermit Thrush		3		1	1			1	1	1	1			2
American Robin	459	222	92	449	1783	94	230	5350	57	66	1285	266	514	507
House Sparrow	992	79	87	128	38	15	80	260	28	87	352	194	141	32
American Pipit														
House Finch	235	57	28	21	3	CW	22	354	3	11	84	52	150	17
Purple Finch				14				8		14	4		4	
Common Redpoll								1						
Pine Siskin	3										10		3	3
Lesser Goldfinch											1			
American Goldfinch	10	132		75	6	51	16	234	35	55	366	286	135	137
Lapland Longspur	271	179	450		400		10				1	175		
Smith's Longspur														
Thick-billed Longspur														
longspur species											200			
Lark Sparrow														
Chipping Sparrow														
Field Sparrow		4	15		10	1		1		6	4		3	1
Fox Sparrow		14		2	24	1	4	53		13	6	16	14	18
American Tree Sparrow	42	106	79	399	173	322	430	327	31	81	670	438	103	357
Dark-eyed (unidentified) Junco	286	105	80	791	191		35				66			372
Slate-colored Junco	20	152	1		91	437	426	1859	147	339	1697	749	727	
Oregon Junco		2					2	1			8	5		
Pink-sided Junco														
White-crowned Sparrow	1184	75	5	27	57	12	55	36		44	27	45	5	105
Harris's Sparrow	1	514	13	200	204	112	281	182	3	11	444	598	6	197
White-throated Sparrow		5		4	2			239	13	47	27	3	163	11
Vesper Sparrow														
LeConte's Sparrow								1		16				
Nelson's Sparrow										1				
Savannah Sparrow				1				45		42	7	21		1
Song Sparrow	12	21		13	4	17	22	286	4	93	38	27	94	89
Lincoln's Sparrow		4						10		6	3			15
Swamp Sparrow				1				55	1	39			8	5
Spotted Towhee		3		1		2	4	6		2	4	1		21
Eastern Towhee								3			1			
towhee species											1			
Yellow-headed Blackbird							CW							
Eastern Meadowlark		25			25	11		16	2	15	62	1	2	
Western Meadowlark	356					8	98	86	35	22	31	1		
<i>Sturnella</i> species		464	341	166	51	80	84	80	5		195	480		35
Red-winged Blackbird	2381	117	6828	393	11045	107	1459	2370	5085	8015	880	1018	273	143
Brown-headed Cowbird				100			530	6		271	17			
Rusty Blackbird	13			92	60		57	40		33	26	CW	20	
Brewer's Blackbird		38			60		41							
Common Grackle	51	2					10	16		20613		1		
Great-tailed Grackle	238									455				
blackbird species		2320			2		6250			1000000				
Orange-crowned Warbler														
Nashville Warbler														
Pine Warbler														
Yellow-rumped "Myrtle" Warbler		26		31	7	45	22	81	4	118	67	18	234	11
Yellow-rumped "Audubon's" Warbler														
Northern Cardinal	8	137	2	107	33	22	67	356	25	91	239	132	222	68
Total Individuals	21329	29676	10596	6519	68149	4027	12810	26697	11162	1051967	27880	11142	10259	434615
Total Species	52	71	38	79	87	57	76	101	71	93	94	80	75	73

Table 1. 2021-2022 KOS CBC.

Species	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Marys	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Tallgrass Nat. Pre.	Topeka	Udall Winfield
Black-bellied Whistling-Duck														
Snow Goose	112	40	30255	200	81007	2	4609	250		50	25		10292	
Ross's Goose		2	115	3	7		126						4	
Greater White-fronted Goose	45	141	1100	107			103	25		150	60		10	134
Cackling Goose		2	14	33		42	250	16	228	344		5	85	6859
Canada Goose	1414	350	1350	431	331	1063	3550	2571		1194	77	109	2868	4507
Trumpeter Swan		44	3						6					
Tundra Swan			68											
swan species														
Wood Duck	1	8	10	25			5		7				1	
Blue-winged Teal														
Northern Shoveler		1508	53	2	3	46			38	16			2	4
Gadwall	118	57	46	201	5	61	CW	3	11	73			3	81
American Wigeon	10	12	130	62	6		1	28						565
Mallard	802	15350	2250	336	163	338	65	54	94	998	165	136	159	3443
American Black Duck		2												
Northern Pintail		8	425	65				5		31				
Green-winged Teal	46	195	1875	62	1	20	7	8	3	179				59
Canvasback		1	86											10
Redhead			7											2
Ring-necked Duck	68	1072	11	173	7	24		4	14	29			6	19
Greater Scaup														
Lesser Scaup		34	18			4				11			57	10
Long-tailed Duck			CW											
Bufflehead	18	87	29	1	4				8	2			13	52
Common Goldeneye	397	22	30	2	270	37			5	7		16	89	94
Hooded Merganser	157	27	16	9	10		1	2	10	1			2	49
Common Merganser			64		63	5		2	1	1			7	
Red-breasted Merganser					1			3					3	
Ruddy Duck		2	18	1									20	5
duck species			1000	40		19				10				
Northern Bobwhite			29	12	10	11	15		22	4			4	
Wild Turkey	28		30	100	4	34	36	229					5	30
Greater Prairie-Chicken												2		
Ring-necked Pheasant			5		1		1	3		2				
Pied-billed Grebe		4	4	3	2		CW		4	1	6		4	2
Horned Grebe														CW
Eared Grebe														CW
Rock Pigeon	6	8	2	14	63	455		275	12	112		1	377	45
Eurasian Collared-Dove	9	2	15	22	9	43	47	878	6	18	2		16	43
White-winged Dove						CW	1	2						11
Mourning Dove	56	56	5	29	37	92	88	3	4	49	12	1	188	251
Greater Roadrunner														
Virginia Rail														
American Coot	12	57	6	3						1			7	31
Sandhill Crane			7500	45			46							
Whooping Crane														
American Avocet			2											
Killdeer	1	30			5	3			3		1		1	
Dunlin			6											
Least Sandpiper			14				1							
Long-billed Dowitcher			9											
Wilson's Snipe		3		2			1		14	1	1			
Spotted Sandpiper							1		1					
Greater Yellowlegs			31											
Wilson's Phalarope														
Black-legged Kittiwake														
Bonaparte's Gull	22	2							2					CW
Ring-billed Gull	187	41	69		2	325	1		2	48		1	115	36
California Gull														
Herring Gull	2													1
Iceland Gull														
Lesser Black-backed Gull														
gull species					30				1					
Common Loon														
Double-crested Cormorant	7	263	21		3			2						25
American White Pelican	33	58	110											1
Great Blue Heron	3	8	11	8	1	1	4	4	2	3	4	1	1	3
Great Egret														
Black-crowned Night-Heron														
White-faced Ibis														
Black Vulture									76		4			
Golden Eagle								2						
Northern Harrier	10	28	102	15	17	10	26	7	13	19	6	11		16
Sharp-shinned Hawk	3	1	1	1	2	1	1		4		1		6	2
Cooper's Hawk	5	2	1	1	1	3	2	2	2	2	1		11	1
Accipiter species						2					1			
Bald Eagle	25	25	33	7	31	3	2	1	17	5	9	2	11	15
Red-shouldered Hawk	15	9			2	2			6	2	2		15	1
Red-tailed Hawk (including Krider's)	102	133	140	49	75	38	35	21	36	131	52	24	80	99
Red-tailed (Harlan's) Hawk	1	3	2						4	8	1			4
Rough-legged Hawk	4	2	24		5	2	2	10	1		1	1		2
Ferruginous Hawk								3						
Buteo species						10		3				4		
Barn Owl														
Eastern Screech-Owl			1	1						2			1	3
Great Horned Owl	2	1	7	6	2	4	2	5		8	5		2	7
Snowy Owl			CW					1						
Barred Owl	4	1	1	5	4	3	1		1	11	1	1	2	8
Long-eared Owl														3
Short-eared Owl		1	4		1									
Belted Kingfisher	1	2	CW	4	3	3	4	3	2	2	1		4	1
Red-headed Woodpecker	31	37			3	1			89		16		7	11
Red-bellied Woodpecker	73	66	22	39	47	29	21	2	28	29	34	32	121	47
Yellow-bellied Sapsucker	3	2		2		CW		1	3	1	3		4	5
Downy Woodpecker	46	19	17	14	25	14	11	8	17	22	11	12	68	23

Table 1. 2021-2022 KOS CBC.

Species	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Marys	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Tallgrass Nat. Pre.	Topeka	Udall Winfield
Hairy Woodpecker	1	2	3	4	4	6	2	1	7	4	4		13	4
Northern Flicker unidentified	49	54	43	35	47	27	5	12	9	6	16	11	71	15
Northern Flicker Yellow-shafted			2			3	2	2	18	3	4	4		17
Northern Flicker Red-shafted			3				3	11						1
Pileated Woodpecker	5	8			6	2			18	4	2		3	12
American Kestrel	23	18	26	17	12	13	17	8	14	22	9		10	36
Merlin			1	2	1	1	1	2		1	1	1		
Peregrine Falcon													1	
Prairie Falcon	2	1	3		2		2	3		2				1
<i>Falco</i> species														
Eastern Phoebe														
Loggerhead Shrike		5	4		3		1		7		3			8
Northern Shrike			2				1							
Blue Jay	160	174	4	12	51	6	1	2	284	23	61	2	238	115
Black-billed Magpie														
American Crow	499	329	32	120	206	85	31		630	121	116	32	188	382
Common Raven														
Carolina Chickadee		37		31			17		58	36	33			75
Black-capped Chickadee	149		1		72	42	5					30	331	20
Tufted Titmouse	63	38		8	16	2	19		56	11	34	1	106	45
Horned Lark		8	156	46	8	310	135	476	1	33	403	1	6	53
Golden-crowned Kinglet	11	8		3		3		2	11	8	14	2	30	16
Ruby-crowned Kinglet	3	5	5	13	1	7	6			7	6	2	17	6
Cedar Waxwing	99	36	2	22	9	5	54	29	74		1			67
Red-breasted Nuthatch				4	5	3	2	4		2			6	5
White-breasted Nuthatch	54	16	2	7	17	11	29	5	22	5	9	3	59	17
Brown-headed Nuthatch														
Brown Creeper	2	4				2	1		2	5	1		15	2
Rock Wren								1						
Winter Wren	3	2		2	1				1	4			2	3
Sedge Wren		2												
Marsh Wren	1	2	4	4			1	1		1	1			
Carolina Wren	19	8	1	20	13	13	13		15	11	10	3	48	20
Bewick's Wren				1										3
Gray Catbird			1	1										
Brown Thrasher				1										1
Northern Mockingbird	2	12	2		1		1		4	5	4		3	3
European Starling	828	55	720	99	485	1122	654	4170	80	183	21	105	3352	1986
Eastern Bluebird	54	3	CW	7	19	4	18		13	26	7	5	66	31
Mountain Bluebird				39										
Townsend's Solitaire								28						
Hermit Thrush		1	1										2	
American Robin	1718	206	430	240	228	87	724	684	245	77	9		1791	213
House Sparrow	286	5	2	30	156	93	127	351	76	85		2	206	293
American Pipit			1								7			
House Finch	25	11	2	12	28	44	37	42	13		4		187	2
Purple Finch	23					1			1				14	
Common Redpoll	1													
Pine Siskin				1				4						
Lesser Goldfinch														
American Goldfinch	110	138	40	128	123	28	12	12	24	23	11	14	142	26
Lapland Longspur	5	60	160				215	6654		15	720			58
Smith's Longspur											5			
Thick-billed Longspur														
longspur species		115									100	1		
Lark Sparrow							1							
Chipping Sparrow		12												
Field Sparrow	1		3	6			12		6	3	5		2	6
Fox Sparrow	6	8	5	17		2	12	5	6	8	6		4	21
American Tree Sparrow	509	6	2040	122	486	399	226	8	29	104	2	69	204	75
Dark-eyed (unidentified) Junco	1291	518	195		409	50	452	32		20	236	144	855	
Slate-colored Junco			545	841		455	135	73	445	332	56			757
Oregon Junco			2	2			1	8		1				1
Pink-sided Junco						1		5						
White-crowned Sparrow	10	184	30	113	2	39	57		3	58	33		8	35
Harris's Sparrow	227	135	446	199	237	308	311	22	106	758	70	70	144	486
White-throated Sparrow	25	60	1	9	7	6	11		18	9	113	1	139	13
Vesper Sparrow							2							
LeConte's Sparrow	1	3												
Nelson's Sparrow														
Savannah Sparrow	1	30	13	38			6		2	6	14	1		4
Song Sparrow	35	56	78	104	109	26	24	8	15	77	22	65	87	40
Lincoln's Sparrow	1	4							3		1		4	2
Swamp Sparrow	1	50	3	7			3		CW	14	10		1	
Spotted Towhee	1		1	11	3	2	2	6					2	3
Eastern Towhee														
towhee species									1					
Yellow-headed Blackbird														
Eastern Meadowlark	19	88	17	1	7				19	5	91			
Western Meadowlark	87	1	34	5	5	61	43	54		3	7			
<i>Sturnella</i> species	80	174	230	321	293	80	986		125	447	15	1	144	261
Red-winged Blackbird	361	1012	10930	482	210	401	3476	37	392	14323	54	1	190	174
Brown-headed Cowbird		8	12	11		6	135		200	56			10	69
Rusty Blackbird	218	92	CW	15		20		20	18		120			1
Brewer's Blackbird		78	23	1091			1185		251	600				560
Common Grackle	1		1	46		6			220					4
Great-tailed Grackle									2					
blackbird species		60		300		15			10		500			
Orange-crowned Warbler													1	
Nashville Warbler														
Pine Warbler														
Yellow-rumped "Myrtle" Warbler	32	59	9	47	21	9	57	1	56	9	35		29	59
Yellow-rumped "Audubon's" Warbler														
Northern Cardinal	180	149	26	58	115	75	38	26	64	93	74	16	283	133
Total Individuals	11161	23978	63494	6890	85681	6631	18377	17291	4484	21197	3585	946	23689	22856
Total Species	85	97	98	87	76	71	79	70	82	80	68	41	85	91

Table 1. 2021-2022 KOS CBC.	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	TOTALS
Species	Lake		Reservoir		Lake		
Black-bellied Whistling-Duck				1			1
Snow Goose	45000		64000	413	CW		428334
Ross's Goose	100		500	2			2013
Greater White-fronted Goose	1		13	338	134		4389
Cackling Goose	2	14	2550	4027	5		28724
Canada Goose	90	388	2700	11106	342	52	70739
Trumpeter Swan							55
Tundra Swan							71
swan species							11
Wood Duck				41			156
Blue-winged Teal							10
Northern Shoveler	13		16	124	3		5346
Gadwall	10		9	132	27	17	2234
American Wigeon	9		9	41	24		1041
Mallard	583	3475	62400	746	1486	10	140104
American Black Duck							3
Northern Pintail	1		26	35	2		2049
Green-winged Teal	15		75	17	20		3285
Canvasback	3			183			368
Redhead				1			92
Ring-necked Duck		6	13	243	6		2235
Greater Scaup				51	4		60
Lesser Scaup			3	277	13		703
Long-tailed Duck	1						1
Bufflehead	86	5	1	106	84		643
Common Goldeneye	353	159	62	254	1205		4421
Hooded Merganser	32		112	293	132		1421
Common Merganser	35	6	257	10	98		3214
Red-breasted Merganser			1				8
Ruddy Duck	1			32	CW		136
duck species	520				46	1	3710
Northern Bobwhite			11		CW	8	585
Wild Turkey	1	85		4			1034
Greater Prairie-Chicken							41
Ring-necked Pheasant	1		1		2	6	87
Pied-billed Grebe				17			141
Horned Grebe							CW
Eared Grebe							1
Rock Pigeon	7		32	442	7	17	7429
Eurasian Collared-Dove	15	2	60	32	21	7	8169
White-winged Dove				40			404
Mourning Dove		2	8	75	13	2	3432
Greater Roadrunner							CW
Virginia Rail							3
American Coot	31		17	89	8		2304
Sandhill Crane							8045
Whooping Crane							CW
American Avocet							2
Killdeer				2			87
Dunlin							8
Least Sandpiper							38
Long-billed Dowitcher							9
Wilson's Snipe				8	1		39
Spotted Sandpiper							2
Greater Yellowlegs							51
Wilson's Phalarope							CW
Black-legged Kittiwake							1
Bonaparte's Gull	3	3			1		1429
Ring-billed Gull	203	142	36	609	848	84	14891
California Gull							1
Herring Gull	1	2	3	4	78		324
Iceland Gull					2		3
Lesser Black-backed Gull							4
gull species					144		887
Common Loon					1		18
Double-crested Cormorant	1		3	956	32		1638
American White Pelican	3		56				1239
Great Blue Heron		1	4	21	7	2	255
Great Egret				1			1
Black-crowned Night-Heron				4			4
White-faced Ibis							6
Black Vulture							80
Golden Eagle			1			2	7
Northern Harrier	8	21	15	6	18	18	983
Sharp-shinned Hawk			1	1	1	1	83
Cooper's Hawk			4	3	4		111
Accipiter species							3
Bald Eagle	1	6	76	14	13	1	804
Red-shouldered Hawk							184
Red-tailed Hawk (including Krider's)	13	60	65	49	54	42	3104
Red-tailed (Harlan's) Hawk		2		1	1		64
Rough-legged Hawk	2	6	2		8	3	179
Ferruginous Hawk							14
Buteo species				1		2	46
Barn Owl					1		2
Eastern Screech-Owl	1			2	1		30
Great Horned Owl	1	1	2	4	1		144
Snowy Owl				CW			4
Barred Owl				3			128
Long-eared Owl					1		6
Short-eared Owl							19
Belted Kingfisher			2	2	2		88
Red-headed Woodpecker							518
Red-bellied Woodpecker	15	12	7	37	14	8	1816
Yellow-bellied Sapsucker		CW		1	CW		70
Downy Woodpecker	9	4	3	54	5	9	1155

Table 1. 2021-2022 KOS CBC.	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	TOTALS
Species	Lake		Reservoir		Lake		
Hairy Woodpecker	3		2	9	1	8	214
Northern Flicker unidentified	9	4	8	23	7	3	1027
Northern Flicker Yellow-shafted		5	4	6	11	11	474
Northern Flicker Red-shafted				2	1		35
Pileated Woodpecker							165
American Kestrel	2	1	20	11	22	6	643
Merlin	2	1	1		3		43
Peregrine Falcon							2
Prairie Falcon	2		5		1	2	63
<i>Falco</i> species							1
Eastern Phoebe							3
Loggerhead Shrike					1	1	61
Northern Shrike			1		1		12
Blue Jay	6	10	1	78	1	11	3132
Black-billed Magpie							51
American Crow	2	138	7	700	17	79	420748
Common Raven							1
Carolina Chickadee							390
Black-capped Chickadee	8	11	4	75	5	51	2453
Tufted Titmouse		3		18			1210
Horned Lark	1	5	60	12	12	150	11663
Golden-crowned Kinglet	3			13		1	359
Ruby-crowned Kinglet	3		2	9	1		222
Cedar Waxwing	1			41	88	15	1561
Red-breasted Nuthatch	6	1	24	6	6	1	159
White-breasted Nuthatch	24	1	3	5	5	7	821
Brown-headed Nuthatch							1
Brown Creeper	4		1	5			127
Rock Wren							1
Winter Wren				4		1	59
Sedge Wren							4
Marsh Wren							19
Carolina Wren	3	1		14	1	2	488
Bewick's Wren					CW		8
Gray Catbird							5
Brown Thrasher				1		1	7
Northern Mockingbird				2			82
European Starling	851	2035	2224	2941	490	2500	73849
Eastern Bluebird	1	1		12	14	7	1044
Mountain Bluebird					13		55
Townsend's Solitaire			2		1		47
Hermit Thrush				2			23
American Robin	20	20	257	2085	1475	500	30306
House Sparrow	20	13	385	299	4	6	8334
American Pipit							8
House Finch	26	1	4	98	80		2090
Purple Finch					1		101
Common Redpoll							10
Pine Siskin						2	30
Lesser Goldfinch							1
American Goldfinch	6	239	22	59	47	12	3370
Lapland Longspur	3		3		80		21424
Smith's Longspur							5
Thick-billed Longspur							74
longspur species							457
Lark Sparrow							1
Chipping Sparrow							12
Field Sparrow				1	7	2	141
Fox Sparrow	2		5	21	15	2	394
American Tree Sparrow	257	503	440	23	1107	80	15433
Dark-eyed (unidentified) Junco	10	21	88	330	53	222	9044
Slate-colored Junco	172	162	235	283	611	39	14152
Oregon Junco			4		4		59
Pink-sided Junco	1						8
White-crowned Sparrow	83	86	33	22	35	5	3862
Harris's Sparrow	212	181	74	212	83	169	8977
White-throated Sparrow				105	CW	5	1236
Vesper Sparrow							2
LeConte's Sparrow							21
Nelson's Sparrow							1
Savannah Sparrow				3			275
Song Sparrow	15	26	7	31	17	23	1882
Lincoln's Sparrow				1			70
Swamp Sparrow				1			215
Spotted Towhee	3	1	1	11	8		128
Eastern Towhee							11
towhee species							1
Yellow-headed Blackbird							CW
Eastern Meadowlark	1	41					624
Western Meadowlark	18		124		57		2401
<i>Sturnella</i> species	76	24	125	14	110	400	8010
Red-winged Blackbird	2425	638	29582	23	50048	140000	3849689
Brown-headed Cowbird	1				3	400	3773
Rusty Blackbird							927
Brewer's Blackbird	1				26	40	29068
Common Grackle	2	1	1		1	8	27899
Great-tailed Grackle				462			5492
blackbird species	1000		2000		25024		1040365
Orange-crowned Warbler				CW			2
Nashville Warbler							1
Pine Warbler	1						1
Yellow-rumped "Myrtle" Warbler			6	51	19		1399
Yellow-rumped "Audubon's" Warbler							1
Northern Cardinal	19	25	9	165	22	40	3898
Total Individuals	52476	8601	168930	29244	84559	145104	6384848
Total Species	74	48	73	92	83	54	169