

# *Kansas Ornithological Society*

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### **THE KANSAS WINTER BIRD COUNT FOR 2023-2024: THE 75th SEASON FOR THE KANSAS ORNITHOLOGICAL SOCIETY**

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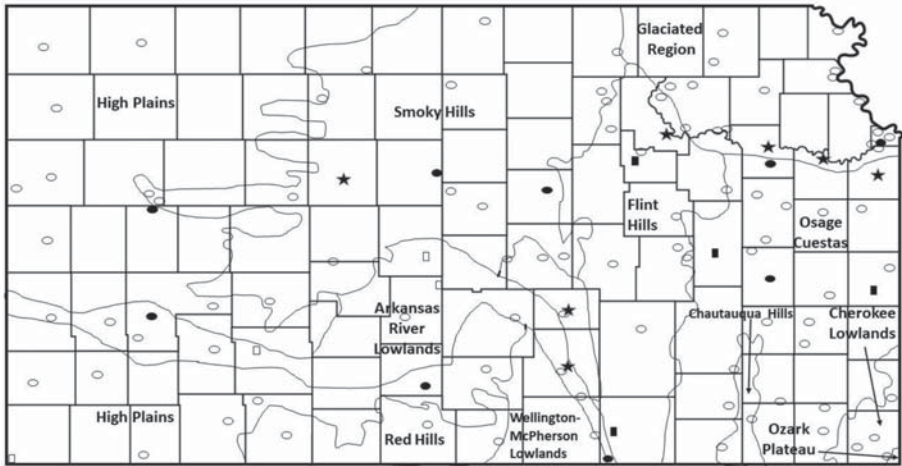
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Although the National Audubon Society Christmas Bird Count (NAS CBC) is over 100 years old, the Kansas Ornithological Society (KOS) wasn't established until 1949, and the first KOS Bulletin was published in April 1950, which contained the first CBC issue (Goodrich, A.L. 1950. The Mid-Winter Bird Count of the Kansas Ornithological Society. KOS Bull. 1[1]:1-4). This tradition has continued, with this being the 75th KOS Bulletin issue devoted to CBCs.

### **75 YEAR HISTORY OF CBC'S IN KANSAS**

There have been at least 115 iterations and 2,641 Kansas CBC counts published in the Bulletin since 1950. State-wide coverage has been provided in at least a part of 79 (75.2%) counties, and most physiographic regions (Figure 1). Some of these counts changed centers slightly, or were combined with others over the years (ex. Halstead-Newton). One count published in 1956 (Baker, M. and M. Thompson. The 1955 Christmas Bird County. 56[1]:1-4) as Altamount, is actually Altamont, in the center of Labette County (Figure 1). Only two counts (1.7%), Lawrence and Manhattan, have been conducted all 75 years and 19 (16.5%) counts were only reported once. Furthermore, 90 counts (78.2%) were reported in <40 years. A total of 25 counts were reported in 40 or more years (Table 1). In addition to Lawrence and Manhattan, nine counts that completed a count this year (2023-2024) have run their count each year since their inception (Table 2).

## LOCATIONS OF KANSAS CBC'S OVER 75 YEARS



**Figure 1. Locations of Kansas CBC's as published in the *Bulletin* from 1950-2024. Open ovals represent counts conducted <40 times, solid ovals conducted from 40-49, open square 50-59, solid square 60-69, and solid stars >70 times.**

Counts have averaged 35.3 per year, with a high of 58 in 2011 and 2012, and low of nine in 1951. Generally, counts have increased with each new decade (Table 3). The first year to reach at least 40 counts was 1991, and the first to reach 50 counts was 1994. Two decades, 2000-2009 and 2010-2019, had at least seven years where 50 counts were reported, followed by 1990-1999 with six years. Since 2000, CBCs have averaged 50.8 counts per year. When NAS started increasing fees for attendees to participate in the 1980s, some Kansas CBCs quit reporting counts to NAS, but continued to supply data to KOS. As a result, only about half of the counts published in the *Bulletin* are included in NAS analysis and database at present (see recent March issues, <https://www.ksbirds.org/kos/bulletin/Bulletin.htm>).

The total number of observers wasn't published in the first *Bulletin*, however since then, at least 32,087 observers have been reported (there are errors on occasion). The average has been 433.6 per year. It would be a major undertaking, but it would be interesting to see how many counts individuals have participated in over the years.

A total of 288 species (Appendix A) have been reported on Kansas CBCs and published within the *Bulletin*. It would have been 296 if not for eight count week (CW) only species (Appendix A). Some of the species are highly unlikely (see Appendix A and draw your own conclusion), and were not included as substantiated records by various check-list authorities, or the Kansas Bird Records Committee (KBRC), until "future" records existed (ex. Purple Sandpiper). A respectable average of 141.7 species have been reported since inception, with a range of 86 (1949) to 181 (2004, though was originally published as 180 and since corrected).

**Table 1. CBC's reported based on the number of years conducted.**

# Years	# Counts	%	Counts
<40	90	78.2	List is available from authors
40-49	9	7.8	Arkansas City, Camp Naish, Garden City, John Redmond, Oskaloosa/Perry, Salina, Sawyer/Pratt, Scott Lake, Wilson Lake
50-59	4	3.5	Cheyenne Bottoms*, Cimarron National Grassland, Dodge City, Quivira National Wildlife Refuge
60-69	4	3.5	Emporia, Junction City, Linn County*, Udall/Winfield*
70-75	8	7.0	Baldwin, Halstead/Newton*, Hays*, Lawrence**, Manhattan**, Olathe, Topeka, Wichita
<b>Total</b>	<b>115</b>	<b>100.0</b>	

\* count has more than one iteration.

\*\*counts reported all 75 years.

**Table 2. High number of consecutive years reported by Kansas CBC's since their inception, if reported in 2023.**

Count	Year Started	# Consecutive Years
Lawrence	1949	75
Manhattan	1949	75
Junction City	1958	66
Wilson Reservoir	1977	47
Oskaloosa/Perry	1981	43
Scott Lake	1984	40
Olsburg	1990	34
Wakefield	1992	32
Red Hills	1993	31
Bonner Springs/Lansing	1994	30
Fort Riley	2009	15

**Table 3. Average number of Kansas CBC's by decade.**

Decade	Number of Counts	
	Average	Range
1949*	14.0	
1950-1959	16.8	9-20
1960-1969	19.6	18-22
1970-1979	24.6	20-29
1980-1989	32.0	27-36
1990-1999	48.2	35-55
2000-2009	50.5	45-57
2010-2019	51.8	47-58
2020-2023*^	48.8	47-51

\* doesn't equal a full decade

^ Covid occurred in 2020

### 2023-2024 COUNT SUMMARY

Though the weather was mild, only 47 counts were conducted this year (Table 4), down from 51 last year (avg 50.8 since 2000). The count period ran from 12 December 2023 through 12 January 2024.

The average low temperature for all counts was 31.3°F (-0.4°C), up from last year's 25.8°F (-3.4°C), and the average high was 48.6°F (9.2°C) up from 44.2°F (6.8°C) last year. The range was 20.5°F (-6.4°C, SE Kansas Mined Lands) to 64°F (17.8°C, Wilson Reservoir). Perhaps, for the first time in Kansas, ALL counts reached above the freezing mark at some point during the day and 18 counts (38.3%) never dipped below freezing. The average low windspeed was 4.3 mph (6.9 km/h) and the high average was 12.3 mph (19.8 km/h). Only three counts reported snow (0.5, 1, 3 inches, or 1.3, 2.54, and 7.6 cm respectively).

The 582 observers (average 12.4/count, range 4 to 37/count), is up from 571 last year, above the 564.6 average since 2000. Seven counts (14.9%) recorded 20 or more participants. Manhattan had the most participants with 37, followed by Topeka with 29, Lawrence with 28, and Olathe with 27. The number of party-hours also increased from last year's 1,602.57 (average 31.4/count), to 1,723.34 (average 36.7/count). They compiled 11,022.89 party-miles, a decrease from last year's 11,742.75 party miles. However, this year's average 234.5/count was above last year's average of 221.2/count. Feeder watchers decreased from last year's 57 to 51. Feeder observer hours also decreased from last year's 128.85 to 120.5 this year. Owling hours and miles also showed decreases from last year to 33.45 (37.78 previous year), and 192.15 (265.35) respectively.

Data used below comes from Table 4. After the past two years in the 160's species range (167 last year, and 169 in 2021), the 170 species this year is above the average (167.5) since 2000. It would have been 176 species if not for the five count-week (CW) species, Long-tailed Duck at Lawrence and Manhattan; Lesser Prairie-Chicken at Dodge City; Whooping Crane at Quivira National Wildlife Refuge (QNWR); Blue-gray Gnatcatcher at Cimarron National Grasslands (CNG); Lesser Goldfinch at Scott Lake; and White-faced Ibis (2) that were outside the Slate Creek Wetland (SCW) count circle. Counts averaged 75 species, up from 71 last year. Six counts (12.8%) recorded 90 or more species, down from nine (17.6%) last year. No counts broke the century mark this year. Lawrence had the highest with 98 species, followed by: Linn County with 95; Winfield with 94, Arkansas City and Wichita with 93, and Kanopolis with 90. Yoder had the fewest species with 46, followed by the Tall Grass Prairie Preserve (TGPP) with 49. All other counts had 50 or more species reported.

A total of 2,256,539 individuals were observed this year, above the 1,434,644 observed last year, but below the average 5,518,964 since 2000. Like last year, no counts reported over one million birds this year. SCW had the highest number of individuals with 843,100 or 37.4% of the total. Only four other counts had more than 100,000 individuals: Leavenworth/Atchinson with 159,481 individuals (7.1% of total); Cheyenne Bottoms (CB) with 147,345 individuals (6.5% of total); Linn County with 146,425 (6.5%); and Halstead/Newton with 122,240 (5.4%). Like last year, seven counts (14.9%) had fewer than 5,000 individuals with the lowest being observed at TGPP with 1,090, followed by Wakefield (3,921), Yoder (3,989), Sedan (4,111), Holton (4,298), Southeast Kansas Mined Lands (4,701), and Olathe (4,866).

The Red-winged Blackbird regained its status as the most abundant species reported on Kansas CBC's with 974,142 individuals, or 43.2% of the total. The Snow Goose with 444,101 individuals (19.7% of the total) came in second, and the following species each reported more than a hundred-thousand: blackbird species with 126,873 (5.6% of total), and Common Grackles with 105,734 (4.7%). Of the 170 species reported this year, only nine (5.3%) were reported on 100% of the counts: Canada Goose; Mourning Dove; Red-tailed Hawk; Downy Woodpecker; European Starling; Harris's Sparrow; Song Sparrow; Red-winged Blackbird; and Northern Cardinal.

No new species were added to the Kansas CBC species list (see appendix A). The most unusual species reported this year, all passerines, were the 17 Pine Grosbeaks observed at Scott Lake; a Black-throated Sparrow at Garden City; a Brewer's Sparrow at Syracuse; and a Canyon Towhee at CNG.

Unusual passerines of interest follow in taxonomic sequence: an Eastern Phoebe at Emporia; a Say's Phoebe at Syracuse; a Chihuahuan Raven at CNG; 12 Common Ravens, seven at Syracuse and five at CNG; a Bushitit at Scott Lake; two Rock Wrens, one each at Red Hills and Scott Lake (both reported this species last year); two Gray Catbirds, one each at Lawrence and Salina; seven Brown Thrashers, three at Salina, and one each at John Redmond, Oskaloosa/Perry, Topeka, and Wichita; a Sage Thrasher at Garden City and one CW at Olathe. Two American Pipits were reported

at Melvern Reservoir. Nine Chipping Sparrows, eight at Red Hills, and one at Oskaloosa/Perry; and an all-time high of 37 Vesper Sparrows in the southwestern quarter of the state, with 21 at CNG, 12 at Red Hills, three at Syracuse, and one at QNWR. Two Le Conte's Sparrows were reported, one each at Arkansas City and Lawrence. Five Rufous-crowned Sparrows, two each from CNG and Red Hills, and one from Syracuse; and an Audubon's (Yellow-rumped) Warbler from the Red Hills rounds out the list.

Noteworthy non-passerine species in taxonomic order are as follows: a Black Scoter at Winfield; two Eared Grebes and a Western Grebe at Linn County; a Sora at Wilson Reservoir; 2,168 Sandhill Cranes (since 2000, 7,085.1 average, range 0-48,070) on four different counts (1,532 at QNWR, 580 at Red Hills, 55 at CB, and one at Wilson Reservoir), though down from last year's 4,935; an Iceland Gull at Wilson Reservoir; two Lesser Black-backed Gulls, one each at CB and El Dorado; a Great Black-backed Gull at Kanopolis; a Pacific Loon at Wilson Reservoir; and 954 American White Pelicans on 17 counts (36.2% of all counts). Wichita reported a Great Egret and eight Black-crowned Night-Herons with an additional black-crowned reported from Waconda. Both of these species have become year-round residents in Wichita. Sedan reported the only Black Vultures with three. A Turkey Vulture was observed at Parsons, and an Osprey at Salina. Peregrine Falcons continue to linger in Kansas, with three reported (same as last year), one each from CB, Leavenworth/Atchinson, and Topeka.

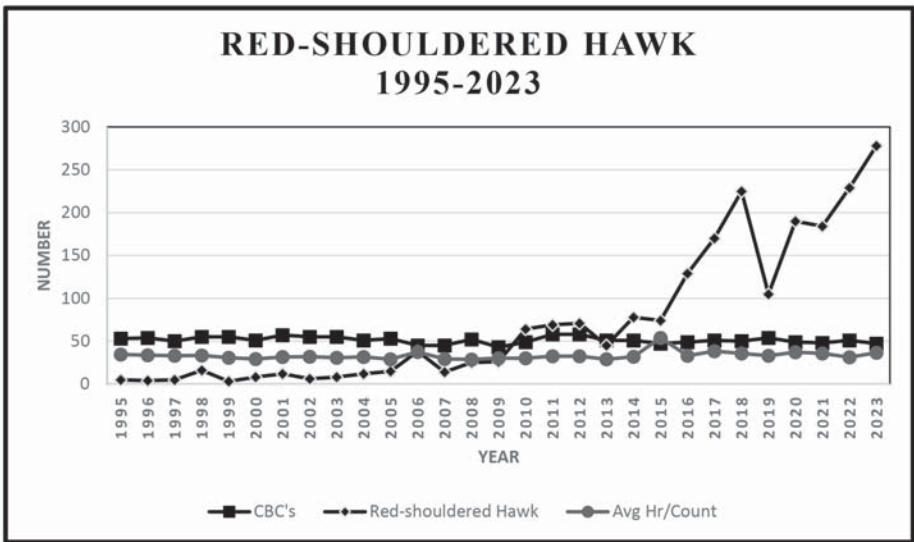
#### *Numbers for Species of Conservation Concern*

Numbers for species of conservation concern included: 91 Trumpeter Swans (down from 327 last year); and 55 Greater Prairie-Chickens, an increase from 44 last year (average 143.2/yr since 2000, 162.4/yr since 1995). For the third consecutive year, and the 11th time since 2000, no Lesser Prairie-Chickens were recorded (average 7/yr since 2000, 8.2/yr since 1995), although it was a CW species (see above). For the sixth time since 2000 no Scaled Quail were reported (average of 36.1/yr since 2000). Northern Bobwhite increased, after two decreasing years, to 613 individuals up from 416 individuals last year, but still below the averages of 751.5 since 2000, and 905.8 since 1995. Wild Turkey decreased from last year's 1,612 to 1,069 individuals, well below the average of 2,675 since 2000. Bald Eagle decreased from last year's 1,225 individuals to 561 this year, below the averages of 679.5 since 2000, and 686.2 since 1995. The 713 Northern Harriers is a sharp decline from last year's 1,026 individuals, the lowest total reported since 1995, also less than the average of 1,072.1 since then. The 46 Ferruginous Hawks is up from last year's 30, but still below the averages of 51.7 since 2000, and 55.2 since 1995. The seven Golden Eagles was a slight increase from last year's five individuals, still below the average of 9.5 since 1995. Loggerhead Shrike continue to rebound with 114 individuals reported this year, up from 90 last year, well above the average of 75.2 since 2000, and the 81.5 since 1995. This was the fourth highest total individuals since 1995, behind 169 in 1995, 127 in 1996, and 124 in 2002. The 23 Northern Shrikes is an increase from last year's 14, and above the average of 14.5 per year since 2000, and 15.4 since 1995. This was also the fourth

highest total individuals for this species since 1995, behind 37 in 2012, 26 in 1995, and 24 in both 1996 and 2013. The 56 Black-billed Magpies is an increase from last year's 28, below the averages of 124/yr since 2000, and 225.8/yr since 1995. The 852 Rusty Blackbirds is an increase from last year's 480, but below the 910 average since 2000, and below the average of 3,476.4 since 1995. The Brewer's Blackbird count of 16,941 individuals is an increase from last year's total of 15,467, and above the averages of 13,778.6 since 2000, and 12,731.8 since 1995.

**Numbers for Select Non-Passerines**

The Red-shouldered Hawk continues to set all-time high record numbers with 278 individuals reported this year (previous record was 229, last year), and above the average of 72.7 since 1995 (Figure 2). This trend doesn't appear to be associated with the number of counts or observation hours, both of which have remained stable during the same period (Figure 2). The 1,987 Red-tailed Hawks (all forms) was a decrease from last year's 2,374 individuals and below the average of 3,056.3 since 1995. It was also the second lowest total reported since 1995, with only 1,968 reported in 2007. Harlan's Hawk was down from last year's 71 to 29 this year. Rough-legged Hawk numbers declined to 42 individuals, down from 99 reported last year. Merlin decreased from 40 last year to 34. Prairie Falcon decreased from 39 individuals last year to 26 this year.



**Figure 2. Red-shouldered Hawk (*Buteo lineatus*), once a rare winter resident, has been increasing in numbers and range (see previous *Bulletins*) in Kansas, becoming a common low density year-round resident.**

The Eurasian Collared-Dove continues to be the most abundant dove/pigeon species in Kansas. The 7,580 individuals (315.8 average for all counts) is an increase from last year's 6,228, and above the averages of 4,858.8 since 1997-1998, and 5,465.4



since 2000-2001. Six counts (12.8% of total) did not report Eurasian Collared-Dove's, all from eastern Kansas. As usual, southwestern Kansas contains the majority of the population with the highest totals coming from CNG with 2,336 (1,623 last year, 838.2 average since 2000), followed by Garden City with 1,544 individuals (1,885 last year, 1,533.9 average since 2000), Syracuse with 945 individuals (205 last year, 257.1 average since 2000), Scott Lake with 723 individuals (1,383 last year, 940.3 average since 2000), and Dodge City with 695 individuals (no count last year, 1,225 average since 2009). Five counts reported their highest totals ever: El Dorado (72); John Redmond (12); Manhattan (172); Olsburg (16); and Sedan (14). The Rock Pigeon showed an increase to 7,066 individuals from last year's 4,364 individuals. White-winged Doves were reported on seven counts (same last two years) and increased from 297 to 439 individuals, which is above the average of 188/yr since 2000. Garden City accounted for 75% (374) of the total individuals. As mentioned previously, Mourning Doves were reported on all counts, with a total of 6,512 individuals, up from last year's 2,981.

Red-headed Woodpeckers decreased from last year's second highest total of 624 individuals since 1995 to 292, below the average of 305.4 per/yr since then. The 148 Pileated Woodpeckers is up from last year's 138, and is the second highest total ever recorded (165 in 2021), and above the averages of 82.4 since 2000, and 73.5 since 1995. The 1,162 Downy Woodpeckers is a slight decrease from last year's 1,179 individuals, and below the 1,235/yr average since 2000. While we didn't analyze Hairy Woodpecker numbers, the ratio between Downy and Hairy this year was 4:1.

### *Numbers for Select Passerines*

The 834 White-breasted Nuthatches was slightly above last year's 804, though below the 846 average since 2000. The 2,425 Black-capped Chickadee was only slightly below last year's 2,494, though above the 2,366.2 average since 2000. Tufted Titmouse numbers were slightly above last year's 1,277, with 1,319 individuals, also above the 1,192.1 average since 2000. The Carolina Chickadee decreased from last year's 434 to 406 individuals this year, below the 452.8 average since 2000.

There was a nice increase of Eastern Bluebirds from 1,148 individuals last year to 2,348 this year. Mountain Bluebirds increased from 282 last year to 310 this year. Wilson Reservoir had the high count with 155. Townsend's Solitaires decreased to 32 individuals (76 last year). Hermit Thrushes increased to 52 individuals this year, up from 17 last year; and American Robins also increased from 16,682 last year to 25,251 this year.

Harris's Sparrows decreased from last year's 6,794 to 6,719 individuals, below the averages of 9,804.5 since 2000, and 10,551.8 since 1995. This is the second lowest total reported going back to 1995 data (lowest 5,366 in 2020). For the third year in a row SCW had the high-count with 626 individuals (535 last year), followed by Arkansas City with 606 (142 last year), Sawyer with 458 (366 last year), Marion with 350 (363 last year), and Red Hills with 302 (132 last year). All other counts were less than 300



individuals, including Udall/Winfield with only 240 individuals, which is remarkable considering it led the NAS national counts last year (see below). Savannah Sparrow's increased from a mere 26 last year to a more recent decade-like total of 239 individuals, though below the average of 313.4 since 2000, and 282.5 since 1995.

Red-breasted Nuthatches increased with 834 this year compared to 155 individuals last year; 72 Purple Finches (54 last year), below the average of 138.1/yr since 2000; and after two years of abysmal numbers (14 and 30) the 229 Pine Siskins was a nice increase, though below the average of 507.5/yr since 2000. American Goldfinches increased to 2,707 individuals from last year's 2,198, though still below the average of 4,645.4 since 1995. The House Finches increased slightly from 2,186 individuals last year to 2,455 this year, though below the average of 2,690.6 since 2000, it was the highest total since 2014. The 1,306 Yellow-rumped Warblers (all forms) is an increase from last year's 283, and above the average of 1,259.7 since 1995. Interestingly, and surprisingly, no other warblers were reported though the weather was mild. The Northern Cardinal decreased from last year's 4,889 to 3,376 individuals this year, below the average of 4,656 since 2000.

#### *NAS "High Count" Summary from Last Year*

Each year NAS publishes a summary of the highest counts for individual species in the U.S. For the 123rd Count, Kansas reported 28 counts, with Lawrence having the highest species total, 96 (LeBaron, G. 2023. The 123rd Christmas Bird Count Summary. Web page: <https://www.audubon.org/news/123rd-christmas-bird-count-summary>). High national counts from Kansas included: 168,000 Snow Geese at Webster Reservoir; 4,742 Lapland Longspurs at Marion; and 372 Harris's Sparrows at Udall/Winfield (Ortega, B. 2023. 123rd Christmas Bird Count High Counts of Species in the United States. Web page: <https://www.audubon.org/news/123rd-christmas-bird-count-high-counts-species-united-states>).

### **COUNT DATA**

Prior to the 2023-2024 CBC season an effort was made to correlate the latitude/longitude coordinates of count circle centers with the written descriptions. Some of the written descriptions predated named county roads and were occasionally vague. Otte worked with the current compilers for CBCs that could benefit from new descriptions to develop an agreed upon description that was more precise given current technology. It is important to note that no CBC centers moved. The redescriptions simply clarified the center for future reference.

**Arkansas City.** 37.038349°N, -97.039315°W. Center as described in 1978. 23 December 2023; 7:30 to 5:00 p.m.; 49°F to 59°F. Wind S 8-17 mph. Still water open, moving water open; cloud cover a.m. overcast, light rain; p.m. 26-50%. Five observers in 4 parties, plus 1 at feeders. Total party-hours 25 (8 on foot, 17 by car), plus 1 hour owling, plus 2 at feeders. Total party-miles 254 (7.75 miles on foot, 246.25 by car), plus 11 miles owling. Total 93 species; 20,378 individuals.

Kevin Groeneweg, Patty Marlett, Mark Nolan, Faith Shapley, Eugene Young  
(compiler: eugene.young@noc.edu).

**Baldwin.** 38.782355°N, 95.269002°W. Center as described in 1986. 17 December 2023; 7:00 a.m. to 5:00 p.m.; 29°F to 52°F. Wind N to S 5-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 8 parties, plus 3 at feeders. Total party-hours 53 (9 on foot, 44 by car), plus 3 hours at feeders and 2.65 hours owling. Total party-miles 356.20 (6.9 on foot, 349.3 by car), plus 19 miles owling. Total 78 species; 11,500 individuals.

Jan Boyd, Roger Boyd, Dan Broers, Bill Busby, Cal Cink (compiler: ccinkbird76@gmail.com), Jo Cink, Malcolm Gold, Joe Hoelscher, Scott Kimball, Jan Morris-Nitcher, Barbara Pressgrove, Sam Richards, Gary Sanden, Jonas Staples.

**Benedictine Bottoms.** 39.609167° N, 95.134161° W. Center as described in 2006. 30 December 2023; 7:15 a.m. to 3:00 p.m.; 30°F to 44°F. Wind E to W 0-15 mph. Still water partly open, moving water open; cloud cover a.m. 51-75%, p.m. 51-75%. Six observers in 3 parties. Total party-hours 18.8 (4 on foot, 14.8 by car), plus 2.75 hours owling. Total party-miles 135.9 (4.4 on foot, 131.5 by car), plus 31.6 miles owling. Total 60 species; 5,257 individuals.

John Bollin, Rob Dooley, Eric Eaton, Hedi Eaton (compiler: hcgenter@gmail.com), John Schukman, Greg Stempien.

**Black Wolf.** 38.769021° N, 98.362339° W. Center as redescribed in 2024 as 0.75 miles north of Black Wolf where Ellsworth County 8th Road turns east on avenue H. 6 January 2024; 7:45 a.m. to 5:45 p.m.; 27°F to 41°F. Wind W to NW 8-21 mph. Still water partly open, moving water open; cloud cover a.m. 51-75%, p.m. 51-75%. Six observers in 3 parties. Total party-hours 22 (1 on foot, 21 by car), plus 1 hour owling. Total party-miles 251 (1 on foot, 250 by car), plus 1 mile owling. Total 66 species; 10,883 individuals.

Jackie Augustine, David Klema, Dan Larson, 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. 17 December 2023; 7:00 a.m. to 5:00 p.m.; 30°F to 56°F. Wind S 0- 5 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 6 parties, plus 3 at feeders. Total party-hours 30 (5.5 on foot, 24.5 by car), plus 2.5 hours at feeders, plus 0.5 hours owling. Total party-miles 263.5 (5.5 on foot, 258 by car). Total 69 species; 6,285 individuals.

Jackie Augustine, Nancy Leo, Melody Miller, Lauren Nuhn, Galen Pittman (compiler: galenpitt@gmail.com), John Schukman, Daniel Williams.

**Cheyenne Bottoms.** 38.434582° N, 98 682986° W. Center as described in 2014. 18 December 2023; 8:00 a.m. to 4:00 p.m.; 29°F to 42°F. Wind N to E 8-10 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eighteen observers in 6 parties plus 2 at feeders. Total party-hours 24 (1.0 on foot, 23 by car), plus 6 hours at feeders. Total party-miles 254.25 (1.25 on foot, 253 by car). Total 77 species; 147,345 individuals.

Henry Armknect, Levi Beaver, Mike Courson, Madilyn Gothard, Mandy Kern, Pam Martin, Paul Mater, Elsi Miller, Dayona Nett, Dwight Nett, Robert Penner, Mike Rader, Gene Schneweis, Kim Schneweis, Alexis Stude, Jaismon Travelbee, Jason Wagner, Curtis Wolf (compiler: cjwolf@fhsu.edu).

**Cimarron National Grasslands.** 37.117119° N, 101.896033° W. Center as described in 2015. 30 December 2023; 8:00 a.m. to 5:20 p.m.; 25°F to 56°F. Wind NW 0-12 mph. Still water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 3 parties. Total party-hours 24.99 (7.5 on foot, 17.49 by car). Total party-miles 165.52 (15.5 on foot, 160 by car). Total 66 species; 27,939 individuals.

Kathy Dunning, Tony Leukering, Mike Rader, Steve Stone, Max Thompson (compiler: maxt@cox.net), Jimmy Woodward, Eugene Young.

**Council Grove.** 38.685573° N, 96.506701° W. Center as described in 2010. 1 January 2024; 7:45 a.m. to 4:00 p.m.; 23°F to 39°F. Wind S to N 0-10 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Ten observers in 5 parties. Total party-hours 35 (10 on foot, 25 by car), plus 0.3 hours owling. Total party-miles 146 (14 on foot, 132 by car), plus 4 miles owling. Total 89 species; 6,251 individuals.

Jessica Hastings, Dana Howard, Steve Howard, Steve Jennings, Ashley Lee, Jennifer Malcolm, Jim Malcolm (compiler: iambirding@prodigy.net), Katherine Schroeder, Lisa Thomas, Mike Thomas.

**Dodge City.** 37.777060° N, 100.012287° W. Center as described in 1985. 27 December 2023; 8:00 a.m. to 5:30 p.m.; 26°F to 38°F. Wind N to NW 7-15 mph. Still water open, moving water open. Snow 0.5 inches. Cloud cover a.m. overcast, light snow, p.m. 76-95%. Thirteen observers in 5 parties, plus 1 at feeders. Total party-hours 21.75 (2 on foot, 19.75 by car), plus 1.5 hours at feeders, plus 1 mile owling. Total party-miles 224 (2 on foot, 222 by car), plus 10 miles owling. Total 57 species; 37,421 individuals.

Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Colton Farra, Diego Flores, Christi McMillen, Stan McMillen, Morgan Mink, Kurt Meier, George Sanchez, Marcos Sanchez, Sara Shane, Tom Shane, Connor Stukenholtz, Caitlin Tinkham.

**El Dorado Lake.** 37.841944° N 96.818611° W. Center redescribed in 2024 as the middle of the dam 0.4 miles southeast of the outlet structure. 15 December 2023; 8:00 a.m. to 4:00 p.m.; 40°F to 45°F. Wind N 5-15 mph. Still water open, moving water open; cloud cover a.m. overcast, light rain, p.m. overcast, light rain. Ten observers in field in 5 parties, plus 2 at feeders. Total party hours 28.50 (7 on foot, 21.5 by car), plus 9.75 hours at feeders. Total party miles 228 (6 on foot, 222 by car). Total 75 species; 35,092 individuals.

Vanessa Bergman, Vickie Cikanek (vickie.cikanek@ks.gov), Jameson Fay, Charley Green, Kevin Groeneweg, Patty Marlett, Jim Nickel, Carolyn Schwab, Stephen Taylor, Dennis Zehr.

**Emporia.** 38.448579° N, 96.079284° W. Center as redescribed in 2024 as the intersection of Lyon County Rd S and Rd 200. 17 December 2023; 7:30 a.m. to 5:30

p.m.; 28°F to 57°F. Wind S to WNW 8 to 9 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 1 party. Total party-hours 21.5 (14 on foot, 7.5 by car), 1.5 hours owling. Total party-miles 103 (6 on foot, 97 by car), plus 3.5 miles owling. Total 85 species; 40,317 individuals.

Denise Cameron, Brandon Franta, Owen Harbison, Bill Jensen (compiler: wjensen1@emporia.edu), Michele Kessler, Daphne Mayes, Alexis Powell, Evelyn Trumbo.

**Fort Riley.** 39.160000° N, 96.775000° W. Center as described in 2010. 13 December 2023; 7:00 a.m. to 4:00 p.m.; 30°F to 55°F. Wind N to NE 0-5 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Thirteen observers in 8 parties. Total party-hours 60 (27 on foot, 33 by car). Total party-miles 232.65 (34.25 on foot, 198.4 by car). Total 72 species; 14,495 individuals.

Tom Duckworth, Adam Hastert, Mike Houck, Alan Hynek, Livvy Jones, Jeff Keating, Connie Marshall, Stan Marshall, Brian Monser (compiler: brian.d.monser.civ@army.mil), Derek Moon, Brett Parsons, Caroline Skidmore, Steve Wahle.

**Garden City.** 37.916637° N, 100.801463° W. Center as redescribed in 2024 as 3.7 miles southeast of the east bypass junction of US Highways 50 and 83 at the point where Finney County Brookover Ranch enters the feedlot property. 16 December 2023; 7:30 a.m. to 6:00 p.m.; 27°F to 48°F. Wind NW 4-10 mph. Still water partly open, moving water none; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 5 parties, none listed for feeders. Total party-hours 27.3 (7.8 on foot, 19.5 by car), plus 4.5 hours at feeders. Total party-miles 189.2 (7 on foot, 182.2 by car). Total 60 species; 23,058 individuals.

Kurtis Meier, Quentin Nolan, Art Nonhof, Karen Nonhof, Mike Ramsey (compiler: mramsey@hmber.com), Pamela Ramsey, Sara Shane, Tom Shane.

**Halstead/Newton.** 38.043040° N, 97.472938° W. Center as redescribed in 2024 as 0.5 miles west of intersection of Harvey County W 1st St and S Mission Road. 16 December 2023; 7:00 a.m. to 5:00 p.m.; 36°F to 50°F. Wind NW to WNW 5-17 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Thirteen observers in 4 parties, plus 2 at feeders. Total party-hours 25.43 (10.51 on foot, 14.92 by car), plus 1.25 hours at feeders. Total party-miles 322.42 (15.37 on foot, 307.05 by car). Total 66 species; 122,240 individuals.

Dennis Andres, Vanessa Bergman, Sharon Entz, Raymond Franz, Gregg Friesen, Brad Guhr, Lorna Harder (compiler: lornajjh@gmail.com), Pete Jantzen, Jim Nickel, Jerod Lowe, Carolyn Schwab, Joe Soukup, Jean Woods.

**Hays.** 38.834547° N, 99.401859° W. Center as redescribed in 2024 as the center of Section 14, T.14S, R.19W, or 0.5 miles north and 0.5 miles west of the intersection of Ellis County Mt. Pleasant Rd and 210th Ave. 16 December 2023; 8:00 a.m. to 2:00 p.m.; 28°F to 49°F. Wind WNW 10-15 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 7 parties, plus 3 at feeders. Total party-hours 27 (7 on foot, 20 by car), plus 6.5 hours at feeders. Total party-miles 262.68 (6.58 on foot, 256.1 by car). Total 53 species; 7,465 individuals.

Medhavi Ambardar (compiler: m\_ambardar@fhsu.edu), Henry Armknecht, Sonja Brandt, Adam Conkey, Eli Francis, Nana-Esi Hanson, Amy Jensen, Noah Oborny, Kim Perez, Elissa Pianalto, David Schneider, Leslie Watson-Divittore.

**Holton.** 39.463424° N, 95.731820° W. Center redescribed in 2024 at intersection of Hwy 16 and New Jersey St. 30 December 2023; 7:15 a.m. to 4:30 p.m.; 30°F to 49°F. Wind NW to N 0-5 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 51-75%. Eleven observers in 4 parties. Total party-hours 25.75 (1 on foot, 24.75 by car). Total party-miles 194.35 (0.85 on foot, 193.5 by car). Total 61 species; 4,298 individuals.

Judy Billings, Jennifer Jones, Nancy Leo, 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 1994. 16 December 2023; 7:30 a.m. to 4:00 p.m.; 40°F to 47°F. Wind NW 8-20 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 26-50%. Sixteen observers in 7 parties, plus 2 at feeders. Total party-hours 33.5 (3.5 on foot, 30 by car), plus 1 hour owling, plus 4 hours at feeders. Total party-miles 322.75 (4.75 on foot, 318 by car), plus 10 miles owling. Total 72 species; 40,402 individuals.

Katie Basiotis, Bob Culbertson (compiler: rstrike3@gmail.com), Carol Culbertson, Sawyer Fleming, Twila Fleming, Wes Fleming, Eugene Goff, Alex Lyon, Louis Menard, Tim Menard, Adrienne Miller, Jim Minnerath, Mary Wiley Minnerath, Scott Satterthwaite, Cassie Wells, Dan Williamson.

**Junction City.** 39.000566° N, 96.880836° W. Center as redescribed in 2024 at the center of Interstate 70, 0.5 miles west of where I-70 crosses over Spring Valley Rd, southwest of Junction City. 28 December 2023; 7:30 a.m. to 3:30 p.m.; 24°F to 40°F. Wind NNW to NNE 0-11 mph. Still water open, moving water open. Snow 1.0 inch. Cloud cover a.m. 26-50%, p.m. 0-25%. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 24.70 (4.4 hours on foot, 20.3 hours by car), plus 3 hours at feeders. Total party-miles 253.9 (5 miles on foot, 248.9 by car). Total 72 species; 7,479 individuals.

Marcia Abbick, Jeff Keating, Bryce Koehn, Milo Koehn, Sheena Koehn, Zara Koehn, Robert Kruger, Chuck Otte (compiler: cotte@twinvalley.net), Jaye Otte.

**Kanopolis Reservoir.** 38.611128° N, 97.952692° W. Center redescribed in 2024 where Ellsworth Co. 29th Rd crosses over Smoky Hill River. 12 December 2023; 8:00 a.m. to 5:00 p.m.; 34°F to 46°F. Wind N to NW 5-20 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 34.75 (11.5 on foot, 23.25 by car). Total party-miles 263.05 (8.05 on foot, 255 by car). Total 90 species; 19,308 individuals.

Henry Armknecht, Jackie Augustine, Dave Klema, Robert Kruger (compiler: robertkruger118@gmail.com), Mike Rader, Roger Schulte, Scott Seltman.

**Lawrence.** 38.993330° N, 95.311110° W. Center as described in 1981. 16 December 2023; 7:00 a.m. to 5:30 p.m.; 42°F to 44°F. Wind N 0-5 mph. Still water

open, moving water open; cloud cover a.m. 76-95%, light rain, p.m. 76-95%, light rain. Twenty-eight observers in 12 parties, plus 8 at feeders. Total party-hours 101.5 (45 on foot, 50.5 by car, 6 by ATV), plus 6.5 hours owling, plus 24 hours at feeders. Total party-miles 445.5 (34.5 on foot, 399 by car, 12 by ATV), plus 9 miles owling. Total 98 species; 43,978 individuals.

Bob Antonio, Rebecca Atchley, Jill Barringer, Kelly Barth, Roger Boyd, Jim Breshnahan, Cal Cink, Lucas DeCicco, Lisa Grossman, Susan Iverson, Perry Kennard, Scott Kimball, Kathy Klocke, Beverly Kreja, Dianna Kreja, Jack Lapin, Matt Longbaugh, Abby Perkins, Galen Pittman (compiler: galenpitt@gmail.com), Alexis Powell, Bob Rucker, Kim Sain, Oliver Schultz, Dawn Sharp, Chris Stringer, Kathy Webb, Pat Webb, Phil Wedge.

**Leavenworth-Atchison.** 39.389810° N, 95.011063° W. Center as redescribed in 2024 as the southwest corner, Section 31, T.7S, R.22E, or intersection of Leavenworth County Knapp Rd, Hildebrandt Rd and 187th St. 29 December 2023; 7:00 a.m. to 4:30 p.m.; 34°F to 49°F. Wind N to NW 10-15 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 0-25%. Eight observers in 5 parties, plus 2 at feeders. Total party-hours 26 (2 on foot, 24 by car), plus 1 hour at feeders. Total party-miles 225 (1.5 on foot, 223.5 by car). Total 58 species; 159,481 individuals.

Neil Bass, John Bollin III, Robert Dooley, Eric Eaton, Heidi Eaton, Galen Pittman, John Schukman (compiler: schuksaya@kc.rr.com), Brian Voorhees.

**Linn County.** 38.286910° N, 94.752250° W. Center as described in 2015. 14 December 2023; 7:15 a.m. to 5:00 p.m.; 31°F to 56°F. Wind SE 3-7 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 51-75%. Eleven observers in 6 parties. Total party-hours 48 (6 on foot, 42 by car), plus 2.5 hours owling. Total party-miles 312.3 (6.3 on foot, 306 by car), plus 9.75 miles owling. Total 95 species; 146,425 individuals.

Don Arney, Jackie Augustine, Jan Boyd, Roger Boyd (compiler: rboymbird69@gmail.com), Zachary Cain, Calvin Cink, Jo Cink, Malcolm Gold, Joe Hoelscher, Chris Krafft, Don Skinner.

**Manhattan.** 39.188659° N, 96.580997° W. Center as described in 1993. 16 December 2023; 7:15 a.m. to 4:30 p.m.; 39°F to 48°F. Wind W to WNW 0-10 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 76-95%. Thirty-seven observers in 16 parties, plus 2 at feeders. Total party-hours 114.3 (34 on foot, 80.3 by car), plus 3.5 hours at feeders, plus 2.5 hours owling. Total party-miles 246.6 (39.3 on foot, 207.3 by car), plus 11.5 miles owling. Total 88 species; 29,379 individuals.

Logan Anderson, Susan Blackford, Alice Boyle, Coleen Brown, Doris Burnett, Jeff Calhoun, Henry Castro-Miller, Greg Clark, Elizabeth Dodd, Colton Farra, Parker Floersch, Joe Hawes, Gary Haden, Angela Hubler, Lowell Johnson, Colby Karnei, Luke Kelly, Jim Koelliker, Brandon Magette, Mark Mayfield (compiler: markherb@ksu.edu), Dexter Mazurkiewicz, Doug Musick, Derek Riggs, Jacob Riggs, David Rintoul, Robert Rosenberg, John Row, Melissa Ruetti, Gayla Snyder, Gerry Snyder, Scott Taylor, Laura Van Bergeijk, Choe White, Judy Willingham, Pate Willingham, Patricia Yeager, America Zarate.

**Marion.** 38.377227° N, 97.074830° W. Center as described in 2015. 2 January 2024; 7:30a.m. to 4:30 p.m.; 26°F to 40°F. Wind N to W 2-5 mph. Still water partly open, moving water partly open; cloud cover a.m. 26-50%, p.m. 0-25%. Ten observers in 5 parties, plus 1 at feeders. Total party-hours 36.50 (11 on foot, 25.5 by car), plus 0.25 hour owling, plus 1.0 hour at feeders. Total party-miles 265.80 (9.8 on foot, 256 by car), plus 1 mile owling. Total 81 species; 25,320 individuals.

Vanessa Bergman, Tom Ewert (compiler: [trewert@yahoo.com](mailto:trewert@yahoo.com)), Kevin Groeneweg, Bob Hoopes, Dan Larson, Patty Marlett, Jim Nickle, Carolyn Schwab, Joe Soukup, Melanie Zuercher.

**Melvern Reservoir.** 38.497600° N, 95.790205° W. Center as described in 2013. 17 December 2023; 7:30 a.m. to 4:45 p.m.; 30°F to 52°F. Wind S to N 5-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eleven observers in 4 parties, plus 2 at feeders. Total party-hours 29 (6 on foot, 23 by car), plus 2 hours at feeders, plus 1 hour owling. Total party-miles 132 (9 on foot, 123 by car), plus 6 miles owling. Total 89 species; 7,335 individuals.

Jennifer Aldridge, Steve Howard, Darrell Lange, Jennifer Malcolm, Jim Malcom (compiler: [iambirding@prodigy.net](mailto:iambirding@prodigy.net)), Katherine Schroeder, William Schroeder, Ashley Scherer, Lisa Thomas, Mike Thomas, Jason Williams.

**Olathe.** 38.912700° N, 94.852157° W. Center as described in 1987. 16 December 2023; 7:00 a.m. to 5:00 p.m.; 38°F to 46°F. Wind WNW to ESE 0-10 mph. Still water open, moving water open; cloud cover a.m. overcast, light rain, p.m. overcast, light rain. Twenty-seven observers in 16 parties, plus 4 at feeders. Total party-hours 47.2 (34.4 on foot, 12.8 by car), plus 22 hours at feeders, plus 1 hour owling. Total party-miles 129.7 (40.3 on foot, 89.4 by car), plus 0.5 miles owling. Total 67 species; 4,866 individuals.

Tony Anderson, Aaron Batterbee. Christy Bradley, George Chiu, Susan Clement, Kristen Dickerson, Nancy Fitzgerald, Morgan Glade, Skyler Glade, Greg Hofer, Kristen Jackson, Jeanine Jangles, Jan Kamler, Jackson Lavicky, Zac Lavicky, Anne Leduc, Dave Miller, Olivia Miller, Rosanna Munoz (compiler: [rosannaemn@gmail.com](mailto:rosannaemn@gmail.com)), Randy Ray, Christine Robertson, Ann Tanner, Mark Tarry, Lucy Terry, Jim Walton, Bryan White, Melissa Yates-Bruce.

**Olsburg.** 39.428262° N, 96.644070° W. Center as redescribed in 2024 as 1.5 miles west of the intersection of K-16 and 1st St, in Olsburg. 12 December 2023; 7:30 a.m. to 5:30 p.m.; 32°F to 45°F. Wind NE 0-5 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 26-50%. Seven observers in 4 parties, plus 1 at feeders. Total party-hours 26.25 (6.75 on foot, 19.5 by car), plus 5 hours at feeders. Total party-miles 193 (4.75 on foot, 188.25 by car). Total 72 species; 6,842 individuals.

Susan Adamchak, Cindy Jeffrey (compiler: [cinraney@ksu.edu](mailto:cinraney@ksu.edu)), Gary Jeffrey, Jay Jeffrey, David Rintoul, Scott Taylor, Patricia Yeager.

**Oskaloosa/Perry Reservoir.** 39.201493° N, 95.403925° W. Center as redescribed in 2024 at the intersection of Jefferson County Kingman Rd and 86th St or the northeast corner of Section 9 (T10S, R18E). 17 December 2023; 7:30 a.m. to 5:25 p.m.; 29°F to 52°F. Wind W to NW 0 to 8 mph. Still water open, moving water open;



cloud cover a.m. 0-25%, p.m. 0-25%. Twenty-two observers in 9 parties. Total party-hours 60.35 (6.6 on foot, 53.75 by car). Total party-miles 368.3 (8.3 by foot, 360 by car). Total 88 species; 13,174 individuals.

Bob Antonio, Diana Busey, Randy Carman, Glenn Caspers, Antonio Castenada, Pam Chaffee, Jennifer Delisle, Dena Friesen, Betsy Harlan, Kaylynn Hobelman, Susan Iversen, Jennifer Jones, Mike Laird, Debra McKee (compiler: grmasurf@gmail.com), Sue Newland, Mark Pheasant, Tara Porter, Bob Rucker, Roseanne Smith, Michael Van Strattan, Janeen Walters, Eric Youngquist.

**Parsons.** 37.478425° N, 95.260380° W. Center as redescribed in 2024 as 6 miles south of Erie, or 0.5 miles south and 0.5 miles east of the intersection of US 59 Highway and Neosho County 80th Rd. 21 December 2023; 7:00 a.m. to 4:00 p.m.; 25°F to 40°F. Wind S to SE 3-8 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 21 (7 on foot, 14 by car), plus 3 hours at feeders, plus 1 hour owling. Total party-miles 82 (4.9 on foot, 77.1 by car), plus 3 miles owling. Total 85 species; 20,410 individuals.

Andrew Burnett (compiler: aburnett9180@gmail.com), Jeff Cox, Andrew George, Nathan George, Royce Guhr, Ed Miller.

**Quivira National Wildlife Refuge.** 38.145925° N, 98.491804° W. Center as redescribed in 2024 as 0.8 miles south of Stafford County NE 149th Rd on South Sterling Rd. 14 December 2023; 7:15 a.m. to 4:45 p.m.; 39°F to 46°F. Wind E 0-10 mph. Still water open, moving water open; cloud cover a.m. overcast, light rain, p.m. overcast. Sixteen observers in 8 parties. Total party-hours 41 (4 on foot, 37 by car). Total party-miles 320 (2 on foot, 318 by car). Total 76 species; 11,414 individuals.

Aaron Austin, Levi Beaver, Emily Davis, Oleander Ford, Lauren Govekar, Bob Gress, Marianne Herbst, Rachel Laubhan, Patty Marlett, Quentin Parker, Mike Rader (compiler: mike\_rader@hotmail.com), Bailey Rowland, Diane Seltman, Scott Seltman, Kyle Whipple, Dennis Zehr.

**Red Hills.** 37.234191° N, 98.686843° W. Center as redescribed in 2024 as 5 miles west and 3 miles south of the intersection of US Highways 160 and 281 just west of Medicine Lodge. 30 December 2023; 7:50 a.m. to 5:10 p.m.; 28°F to 61°F. Wind S 0 to 5 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 0-25%. Seven observers in 4 parties. Total party-hours 34 (11 on foot, 23 by car), plus 1 hour owling. Total party-miles 231 (10 miles on foot, 221 by car), plus 6 miles owling. Total 88 species; 7,578 individuals.

Pete Janzen (compiler: pete.janzen@sbcglobal.net), Mark Nolen, Zach Poland, Jane Queal, Faith Shapley, Lauren Sill, Kay Wallsworth.

**St. Marys.** 39.194100° N, 96.071091° W. Center as described 2018. 1 January 2024; 7:15 a.m. to 5:45 p.m.; 23°F to 38°F. Wind N to NW 5-10 mph. Still water completely frozen, moving water partly open; cloud cover a.m. 51-75%, p.m. 0-25%. Eleven observers in 6 parties, plus 1 at feeders. Total party-hours 40 (1.25 by foot, 38.75 by car), plus 4 hours at feeders, plus 0.5 hours owling. Total party-miles 267.65 (3.25 on foot, 264.4 by car), plus 13 miles owling. Total 69 species; 24,709 individuals.

Judy Billings, Antonio Castaneda, Kaylynn Hobelman, Jennifer Jones, Debra McKee (compiler: grmasmurf@gmail.com), Carol Morgan, Sue Newland, Mark Pheasant, Marie Plinsky, Tom Schermerhorn, Janeen Walters.

**Salina.** 38.841702° N, 97.630868° W. Center as described in 1983. 16 December 2023; 7:45 a.m. to 5:30 p.m.; 36° to 51°F. Wind WNW to ESE 2-12 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eighteen observers in 4 parties. Total party-hours 29 (9 on foot, 20 by car). Total party-miles 381.1 (7.1 on foot, 374 by car). Total 76 species; 9,870 individuals.

Aaron Anders, Austin Anders, Nicole Beck, Byron Grauerholz (compiler: blgrauerholz@yahoo.com), David Haight, Kevin Haight, Cheryl Higgins, Dave Klema, Kaleb Kroeker, Phil Miller, Lyle Neher, Bonnie Neubrand, Mark Neubrand, Shannon Rayl, Linda Reynolds, Brenna Riley, Travis Riley, Dave Schultz.

**Sawyer.** 37.529075° N, 98.702457° W. Center as redescribed in 2024 as southeast corner Section 11, T.29S, R.13W, or the intersection of Pratt County SE 80Th Rd and Rd 18. 20 December 2023; 8:15 a.m. to 4:15 p.m.; 38°F to 60°F. Wind S to SE 8-15 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 26-50%. Nineteen observers in 6 parties. Total party-hours 26.25 (9.5 on foot, 16.75 by car). Total party-miles 185 (6 on foot, 179 by car). Total 72 species; 11,892 individuals.

Henry Armknecht, Aaron Austin, Chris Berens, Ken Brunson, Jeff Conley, Ashley Cook, Zackary Cordes, Zac Eddy, Chelsea Hofmeier, Jordan Hofmeier (compiler: jordan.hofmeier@ks.gov), Diedre Kramer, Jane Queal, Mike Rader, McKenzie Reh, Trevor Starks, Megan Urban, Mark Van Scoyoc, Tanna Wagner, Ryan Waters.

**Scott Lake.** 38.583882° N, 100.907423° W. Center as described in 1988. 30 December 2023; 7:20 a.m. to 5:50 p.m.; 24°F to 56°F. Wind NW to N 0-12 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Twenty observers in 11 parties, plus 1 at feeders. Total party-hours 81 (33 on foot, 48 by car), plus 3 hours at feeders. Total party-miles 207.5 (24.5 on foot, 183 by car). Total 75 species; 23,722 individuals.

Henry Armknecht, Dan Broers, Coleen Brown, Jeff Calhoun, Christopher Frick, Lisa Hoffman, Christi McMillen, Stan McMillen, Kurtis Meier, Lynette Muller, Mike Ramsey, Pamela Ramsey, Carolyn Schwab, Diane Seltman, Scott Seltman, Doug Shoffner, Sara Shane (compiler: sjns4422@gmail.com), Tom Shane, Carla Trecek, Anthony Zukoff.

**Sedan.** 37.145072° N, 96.163494° W. Center as redescribed in 2024 as intersection of Chautauqua County Road 22 and Kansas Road. 19 December 2023; 8:00 a.m. to 4:00 p.m.; 35°F to 45°F. Wind S 15 to 30 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 26-50%. Seven observers in 4 parties. Total party-hours 29.5 (4 on foot, 25.5 by car). Total party miles 238.36 (3.36 on foot, 235 by car). Total 76 species; 4,111 individuals.

Vickie Cikanek (compiler: vickie.cikanek@ks.gov) Kevin Groeneweg, Sue Kill, Paul King, Patty Marlett, Atcha Nolan, Carolyn Schwab.

**Slate Creek Wetlands.** 37.232244°N, 97.249507° W. Center as redescribed in 2024 as on township road 3 miles south and 4.5 miles west of Oxford or 0.5 miles west of Sumner County S Rock Road on E 40th St south. 27 December 2023; 7:30 a.m. to 5:30 p.m.; 27°F to 39°F. Wind NW 8-20 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 26-50%. Four observers in 2 parties. Total party-hours 18.5 (3.5 on foot, 15 by car), plus 1.25 hours owling. Total party-miles 159.4 (3.7 on foot, 155.7 by car), plus 20.2 miles owling. Total 70 species; 843,100 individuals.

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

**Southeast KS Mined Land.** 37.230288° N, 94.968988° W. Center as redescribed in 2024 as center of Section 26 (T32S, R22E) or 0.5 miles north and 0.5 miles west of intersection of Cherokee County NW 70th St and NW Lawton Rd. 1 January 2024; 7:45 a.m. to 6:00 p.m.; 20.5°F to 39.7°F. Wind NW to NE 2-5 mph. Still water partly open, moving water open; cloud cover a.m. 76-95%, p.m. 0-25%. Eleven observers in 5 parties. Total party-hours 34.40 (2.8 on foot, 31.6 by car). Total party-miles 206.6 (2.9 on foot, 203.7 by car). Total 76 species; 4,737 individuals.

Jackie Augustine, Wayne Bockelman, Bob Estes, Cindy Ford, Steven Ford, Chad Gardner, Andrew George (compiler: adgeorge@pittstate.edu), Delia Lister, Maddie Rodriguez, Don Weidemann, Marion Weidemann.

**Syracuse.** 37.995091° N, 101.881766° W. Center as redescribed in 2024 as 7 miles west, 1 mile north of the east intersection of highways K-27 and US 50/400. 6 January 2024; 9:00 a.m. to 5:00 p.m.; 26°F to 36°F. Wind N to S 5-12 mph. Still water open, moving water open. Snow 3 inches. Cloud cover a.m. 0-25%, p.m. 0-25%. Eleven observers in 5 parties. Total party-hours 57 (6 on foot, 51 by car). Total party-miles 213.2 (4.2 on foot, 209 by car). Total 75 species; 85,571 individuals.

Kurt Meier, Quentin Nolan, Arthur Nonhof (compiler: artnonhof@sbcglobal.net), Karen Nonhof, Richard Nonhof, Michael Ramsey, Pamela Ramsey, Diane Seltman, Scott Seltman, Sara Shane, Tom Shane.

**Tallgrass Prairie National Preserve.** 38.434226° N, 96.559501° W. Center as described in 2011. 19 December 2023; 8:16 a.m. to 4:29 p.m.; 33°F to 53°F. Wind S to SE 8-21 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 51-75%. Six observers in 4 parties. Total party-hours 14.67 (10.5 on foot, 4.17 by car). Total party-miles 41.28 (9.28 on foot, 32 by car). Total 49 species; 1,090 individuals.

Denise Cameron (compiler: dcamero2@g.emporium.edu), Owen Harbison, Kristen Hase, William Jensen, Michele Kessler, Darin McCullough.

**Topeka.** 39.048198° N, 95.678162° W. Center as described in 1972. 16 December 2023; 7:00 a.m. to 4:30 p.m.; 39°F to 41°F. Wind W to NW 9-13 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Twenty-nine observers in 12 parties, plus 5 at feeders. Total party-hours 71.5 (19.25 on foot, 52.25 by car), plus 0.25 hour owling, plus 5 hours at feeders. Total party-miles 431.7 (22.7 on foot, 409 by car), plus 0.1 miles owling. Total 88 species; 22,986 individuals.

Jackie Augustine, Judy Billings, Diana Busey, Randy Carman, Becky Drager, Kirk Drager, Denise Eulert, Kelly Haller, Kaylon Hobelman, Jared Holroyd, Jennifer Jones, Dan Larson, Nancy Leo, Jim Malcolm, Sam Mannell, Terry Mannell, Debra McKee, Carol Morgan (compiler: crxmorgan@gmail.com), Sarah Morgon, Sue Newland, Mark Pheasant, Marie Plinsky, Tara Porter, Logan Smith, Spencer Smith, Vivien Smith, Jay VanBlaricum, Katie VanBlaricum, Janeen Walters.

**Udall/Winfield.** 37.264828° N, 96.973753° W. Center as redescribed in 2024 as water tower at the Winfield Correctional Facility. 17 December 2023; 8:00 a.m. to 5:00 p.m.; 28° to 59°F. Wind S to N 0-7 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 31.2 (3.5 on foot 27.7 by car), plus 2 hours owling. Total party-miles 305.3 (1.8 on foot, 303.5 by car), plus 3 miles owling. Total 94 species; 45,771 individuals.

Bette Anderson, Duane Anderson, Kevin Groeneweg, David Herrin, David Seibel, Faith Shapley, Max Thompson (compiler: maxt@cox.net), Elizabeth Walker.

**Waconda Reservoir.** 39.465812° N, 98.376997° W. Center redescribed at intersection of Mitchell Country H Rd and 160th Rd. 22 December 2023; 7:45 a.m. to 4:15 p.m.; 37°F to 53°F. Wind WNW 4-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 5 parties. Total party-hours 26 (2.5 on foot, 23.5 by car). Total party-miles 209.25 (1.25 on foot, 208 by car). Total 77 species; 68,811 individuals.

Henry Armknecht (compiler: armknecht@ruraltel.net), Kevin Groeneweg, Laura Groeneweg, Sue Newland, Rob Penner, Mike Rader, Chad Remley, Trish Remley.

**Wakefield.** 39.220150° N, 96.966367° W. Center as described in 1993. 17 December 2023; 7:30 a.m. to 2:30 p.m.; 29°F to 58°F. Wind NE 0 to 12 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 26-50%. Six observers in 3 parties. Total party-hours 15 (2.5 on foot, 12.5 by car). Total party-miles 148.5 (1.5 on foot, 147 by car). Total 71 species; 3,921 individuals.

Marcia Abbick, Doris Burnett, Jeff Calhoun, Robert Kruger, Chuck Otte (compiler: cotte@twinvalley.net), Jaye Otte.

**Wichita.** 37.691340° N, 97.349680° W. Center as described in 1956. 16 December 2023; 7:30 a.m. to 5:00 p.m.; 37°F to 50°F. Wind NW 10-15 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Twenty-two observers in 10 parties, plus 2 at feeders. Total party-hours 57.25 (24.5 on foot, 32.75 by car), plus 3 hours at feeders, plus 2 hours owling. Total party-miles 341.75 (27.75 on foot, 314 by car), plus 19 miles owling. Total 93 species; 32,631 individuals.

Jeremy Birket, Jennifer Bruey, Aileng Chan, Johnny Drew, Tom Ewert, Harry Gregory, Bob Gress, Kevin Groeneweg (compiler: kgroeneweg1616@gmail.com), Nicholas King, Douglas Lamoureux, Bill Langley, Roy Lyons, Jim Marlett, Patty Marlett, Cheryl Miller, Chris Nickel, Gary Northwall, Sally Ottaway, Dale Randall, Dan Rogers, Faith Shapley, Eddie Stegall, Evalynn Tumbo, Evan Waite.

**Wilson Reservoir.** 38.944288° N, 98.571752° W. Center as described in 1994. 17 December 2023; 7:17 a.m. to 5:15 p.m.; 31°F to 64°F. Wind NW 3- 15 mph. Still water

open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Ten observers in 4 parties. Total party-hours 29 (7 on foot, 22 by car). Total party-miles 218 (5 on foot, 213 by car). Total 87 species; 6,013 individuals.

Henry Armknecht, David Klema, Robert Penner, Ellen Rader, Mike Rader (compiler: mike\_rader@hotmail.com), Chad Remley, Trish Remley, Roger Schultz, Diane Seltman, Scott Seltman.

**Yoder.** 37.897589° N, 97.866716° W. Center as described in 1992. 19 December 2023; 8:00 a.m. to 1:30 p.m.; 31°F to 49°F. Wind NNW to SSE 13-31 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 76-95%. Eight observers in 5 parties. Total party-hours 21 (3.5 foot, 17.5 by car). Total party-miles 226.75 (4.25 on foot, 222.5 by car). Total 46 species; 3,989 individuals.

Allen Asmussen, Levi Beaver, Stephanie Carlson, Daniel Dyck, Linda Dyck, John Gallagher (compiler: jgallagher@hutchrec.com), Steven Kinser, Mark Rogers.

### ACKNOWLEDGMENTS

We thank Jillian Crossland for reviewing proofs. Thanks to all the participants of the annual CBC's that provide valuable data. A special debt of gratitude to all of the compilers, which can be a daunting task, especially when with large numbers of participants.

## APPENDIX A: KANSAS CBC SPECIES LIST

### WHISTLING-DUCKS

- 1 Black-bellied Whistling-Duck  
 Fulvous Whistling-Duck

### GEESE, SWANS

- 2 Snow Goose  
 3 Ross's Goose  
 4 Greater White-fronted Goose  
 5 Brant  
 6 Cackling Goose  
 7 Canada Goose  
 8 Trumpeter Swan  
 9 Tundra Swan

### DUCKS

- 10 Wood Duck  
 Garganey†  
 11 Blue-winged Teal  
 12 Cinnamon Teal  
 13 Northern Shoveler  
 14 Gadwall  
 Eurasian Wigeon  
 15 American Wigeon  
 16 Mallard  
 17 American Black Duck  
 Mottled Duck  
 18 Northern Pintail  
 19 Green-winged Teal  
 20 Canvasback  
 21 Redhead  
 22 Ring-necked Duck  
 [Tufted Duck]†  
 23 Greater Scaup  
 24 Lesser Scaup  
 King Eider†  
 Common Eider†  
 Harlequin Duck†  
 25 Surf Scoter  
 26 White-winged Scoter  
 27 Black Scoter  
 28 Long-tailed Duck  
 29 Bufflehead  
 30 Common Goldeneye  
 31 Barrow's Goldeneye  
 32 Hooded Merganser  
 33 Common Merganser  
 34 Red-breasted Merganser  
 35 Ruddy Duck

### QUAIL

- 36 Northern Bobwhite  
 37 Scaled Quail

### TURKEY, GROUSE, PHEASANT

- 38 Wild Turkey  
 39 Ruffed Grouse  
 Sharp-tailed Grouse  
 40 Greater Prairie-Chicken  
 41 Lesser Prairie-Chicken  
 42 Ring-necked Pheasant

### FLAMINGOS

- American Flamingo†

### GREBES

- 43 Pied-billed Grebe  
 44 Horned Grebe  
 45 Red-necked Grebe  
 46 Eared Grebe  
 47 Western Grebe  
 48 Clark's Grebe

### PIGEONS, DOVES

- 49 Rock Pigeon  
 Band-tailed Pigeon†  
 50 Eurasian Collared-Dove  
 51 Inca Dove  
 52 Common Ground Dove  
 53 White-winged Dove  
 54 Mourning Dove

### CUCKOOS

- Groove-billed Ani  
 55 Greater Roadrunner  
 Yellow-billed Cuckoo  
 Black-billed Cuckoo

### NIGHTJARS

- [Lesser Nighthawk]†  
 Common Nighthawk  
 56 Common Poorwill  
 Chuck-will's-widow  
 Eastern Whip-poor-will

### SWIFTS

- Chimney Swift  
 White-throated Swift†

### HUMMINGBIRDS

- Mexican Violetear†  
 Rivoli's Hummingbird†  
 Ruby-throated Hummingbird  
 Black-chinned Hummingbird  
 57 Anna's Hummingbird†  
 Costa's Hummingbird†  
 Calliope Hummingbird  
 58 Rufous Hummingbird  
 Allen's Hummingbird†  
 Broad-tailed Hummingbird  
 Broad-billed Hummingbird†

### RAILS, GALLINULES

- CW1 King Rail  
 59 Virginia Rail  
 60 Sora  
 Common Gallinule  
 61 American Coot  
 Purple Gallinule  
 Yellow Rail  
 Black Rail

### CRANES

- 62 Sandhill Crane

- Common Crane†  
 63 Whooping Crane

### STILTS, AVOCETS

- Black-necked Stilt  
 64 American Avocet

### PLOVERS

- 65 Black-bellied Plover  
 American Golden-Plover  
 66 Killdeer  
 67 Semipalmated Plover  
 Piping Plover  
 [Wilson's Plover]†  
 Mountain Plover  
 68 Snowy Plover

### SANDPIPERS

- Upland Sandpiper  
 Whimbrel  
 Eskimo Curlew  
 Long-billed Curlew  
 Hudsonian Godwit  
 Marbled Godwit  
 CW2 Ruddy Turnstone  
 Red Knot  
 Ruff  
 Stilt Sandpiper  
 Curlew Sandpiper†  
 Red-necked Stint†  
 Sanderling  
 Dunlin  
 69 Purple Sandpiper†  
 CW3 Baird's Sandpiper  
 70 Little Stint†  
 71 Least Sandpiper  
 White-rumped Sandpiper  
 Buff-breasted Sandpiper  
 Pectoral Sandpiper  
 72 Semipalmated Sandpiper  
 73 Western Sandpiper  
 Short-billed Dowitcher  
 74 Long-billed Dowitcher  
 75 American Woodcock  
 76 Wilson's Snipe  
 77 Spotted Sandpiper  
 78 Solitary Sandpiper  
 79 Lesser Yellowlegs  
 80 Willet  
 Spotted Redshank†  
 81 Greater Yellowlegs  
 CW4 Wilson's Phalarope  
 Red-necked Phalarope  
 Red Phalarope

### JAEGERS

- 82 Pomarine Jaeger†  
 83 Parasitic Jaeger  
 Long-tailed Jaeger†

**ALCIDS**

\_\_\_ Long-billed Murrelet†

**GULLS**

84 Black-legged Kittiwake  
\_\_\_ Sabine's Gull

85 Bonaparte's Gull  
CW5 Black-headed Gull

\_\_\_ Little Gull  
\_\_\_ Ross's Gull†

86 Laughing Gull  
87 Franklin's Gull

CW6 Mew Gull

88 Ring-billed Gull

89 California Gull

90 Herring Gull

91 Iceland Gull

92 Lesser Black-backed Gull  
\_\_\_ [Glaucous-winged Gull]†

93 Glaucous Gull

94 Great Black-backed Gull

**TERNIS**

\_\_\_ Least Tern

\_\_\_ Gull-billed Tern†

\_\_\_ Caspian Tern

\_\_\_ Black Tern

\_\_\_ Common Tern

\_\_\_ [Arctic Tern]†

95 Forster's Tern

**SKIMMERS**

\_\_\_ Black Skimmer†

**LOONS**

96 Red-throated Loon

97 Pacific Loon

98 Common Loon

99 Yellow-billed Loon†

**STORKS**

\_\_\_ Wood Stork

**FRIGATEBIRDS**

\_\_\_ Magnificent Frigatebird†

**BOOBIES**

\_\_\_ Brown Booby†

**DARTERS**

\_\_\_ Anhinga

**CORMORANTS**

100 Double-crested Cormorant

101 Neotropic Cormorant

**PELICANS**

102 American White Pelican

\_\_\_ Brown Pelican

**HERONS**

103 American Bittern

\_\_\_ Least Bittern

104 Great Blue Heron

105 Great Egret

CW7 Snowy Egret

\_\_\_ Little Blue Heron

\_\_\_ Tricolored Heron

\_\_\_ Reddish Egret†

\_\_\_ Cattle Egret

\_\_\_ Green Heron

106 Black-crowned Night-Heron

107 Yellow-crowned Night-Heron

**IBISES**

\_\_\_ White Ibis

\_\_\_ Glossy Ibis

108 White-faced Ibis

\_\_\_ Roseate Spoonbill

**VULTURES**

109 Black Vulture

110 Turkey Vulture

**OSPREY, HAWKS, KITES,****EAGLES**

111 Osprey

112 White-tailed Kite†

\_\_\_ Swallow-tailed Kite

113 Golden Eagle

114 Northern Harrier

115 Sharp-shinned Hawk

116 Cooper's Hawk

117 Northern Goshawk

118 Bald Eagle

119 Mississippi Kite

120 Harris's Hawk†

\_\_\_ Gray Hawk†

121 Red-shouldered Hawk

122 Broad-winged Hawk

123 Swainson's Hawk

124 Red-tailed Hawk

125 Rough-legged Hawk

126 Ferruginous Hawk

**BARN OWLS**

127 Barn Owl

**OWLS**

\_\_\_ [Flammulated Owl]†

128 Western Screech-Owl†

129 Eastern Screech-Owl

130 Great Horned Owl

131 Snowy Owl

132 Burrowing Owl

133 Barred Owl

134 Long-eared Owl

135 Short-eared Owl

136 Northern Saw-whet Owl

**KINGFISHERS**

137 Belted Kingfisher

**WOODPECKERS**

138 Lewis's Woodpecker

139 Red-headed Woodpecker

140 Red-bellied Woodpecker

141 Williamson's Sapsucker†

142 Yellow-bellied Sapsucker

143 Red-naped Sapsucker

\_\_\_ Amer. Three-toed Woodpecker†

144 Downy Woodpecker

145 Ladder-backed Woodpecker

146 Hairy Woodpecker

147 Northern Flicker

148 Pileated Woodpecker

**FALCONS**

\_\_\_ Crested Caracara†

149 American Kestrel

150 Merlin

\_\_\_ Gyrfalcon†

151 Peregrine Falcon

152 Prairie Falcon

**FLYCATCHERS**

\_\_\_ Ash-throated Flycatcher

\_\_\_ Great Crested Flycatcher

\_\_\_ Great Kiskadee†

\_\_\_ Piratic Flycatcher†

\_\_\_ Cassin's Kingbird

153 Western Kingbird

\_\_\_ Eastern Kingbird

\_\_\_ Scissor-tailed Flycatcher

\_\_\_ [Fork-tailed Flycatcher]†

\_\_\_ Olive-sided Flycatcher

\_\_\_ Western Wood-Pewee

\_\_\_ Eastern Wood-Pewee

\_\_\_ Yellow-bellied Flycatcher

\_\_\_ Acadian Flycatcher

\_\_\_ Alder Flycatcher

\_\_\_ Willow Flycatcher

\_\_\_ Least Flycatcher

\_\_\_ Hammond's Flycatcher

\_\_\_ Gray Flycatcher

\_\_\_ Dusky Flycatcher

\_\_\_ Cordilleran Flycatcher

\_\_\_ Black Phoebe†

154 Eastern Phoebe

155 Say's Phoebe

\_\_\_ Vermilion Flycatcher

**SHRIKES**

156 Loggerhead Shrike

157 Northern Shrike

**VIREOS**

\_\_\_ Black-capped Vireo†

158 White-eyed Vireo

\_\_\_ Bell's Vireo

\_\_\_ Gray Vireo†

\_\_\_ Yellow-throated Vireo

\_\_\_ Cassin's Vireo

159 Blue-headed Vireo

\_\_\_ Plumbeous Vireo

\_\_\_ Philadelphia Vireo

\_\_\_ Warbling Vireo

\_\_\_ Red-eyed Vireo

**JAYS, MAGPIES, CROWS**

160 Pinyon Jay

161 Steller's Jay

162 Blue Jay

163 Woodhouse's Scrub-Jay

\_\_\_ Mexican Jay†

164 Clark's Nutcracker

165 Black-billed Magpie



166 American Crow  
Fish Crow  
167 Chihuahuan Raven  
168 Common Raven

### LARKS

169 Horned Lark

### SWALLOWS

Bank Swallow  
170 Tree Swallow  
Violet-green Swallow  
N. Rough-winged Swallow  
Purple Martin  
171 Barn Swallow  
Cliff Swallow  
Cave Swallow

### CHICKADEES, TITMICE

172 Carolina Chickadee  
173 Black-capped Chickadee  
174 Mountain Chickadee  
CW8 [Juniper Titmouse]†  
175 Tufted Titmouse

### BUSHTITS

176 Bushtit

### NUTHATCHES

177 Red-breasted Nuthatch  
178 White-breasted Nuthatch  
179 Pygmy Nuthatch  
180 Brown-headed Nuthatch†

### CREEPERS

181 Brown Creeper

### WRENS

182 Rock Wren  
183 Canyon Wren†  
184 House Wren  
185 Pacific Wren†  
186 Winter Wren  
187 Sedge Wren  
188 Marsh Wren  
189 Carolina Wren  
190 Bewick's Wren

### GNATCATCHERS

191 Blue-gray Gnatcatcher

### KINGLETS

192 Golden-crowned Kinglet  
193 Ruby-crowned Kinglet

### OLD WORLD FLYCATCHERS

\_\_\_\_ [Northern Wheatear]†

### THRUSHES

1934 Eastern Bluebird  
195 Western Bluebird†  
196 Mountain Bluebird  
197 Townsend's Solitaire  
Veery  
Gray-checked Thrush  
Swainson's Thrush  
198 Hermit Thrush  
Wood Thrush

199 American Robin  
200 Varied Thrush

### THRASHERS

201 Gray Catbird  
202 Curve-billed Thrasher  
203 Brown Thrasher  
204 Sage Thrasher  
205 Northern Mockingbird

### STARLINGS

206 European Starling

### WAXWINGS

207 Bohemian Waxwing  
208 Cedar Waxwing

### SILKY-FLYCATCHERS

\_\_\_\_ Phainopepla†

### OLD WORLD SPARROWS

209 House Sparrow

### PIPITS

210 American Pipit  
211 Sprague's Pipit

### FINCHES

\_\_\_\_ Brambling†  
212 Evening Grosbeak  
213 Pine Grosbeak  
\_\_\_\_ [Gray-crowned Rosy-Finch]†  
214 House Finch  
215 Purple Finch  
216 Cassin's Finch  
217 Common Redpoll  
218 Red Crossbill  
219 White-winged Crossbill  
220 Pine Siskin  
221 Lesser Goldfinch  
222 American Goldfinch

### LONGSPURS

223 Lapland Longspur  
224 Chestnut-collared Longspur  
225 Smith's Longspur  
226 Thick-billed Longspur  
227 Snow Bunting

### SPARROWS

228 Cassin's Sparrow  
\_\_\_\_ Bachman's Sparrow†  
\_\_\_\_ Grasshopper Sparrow  
229 Black-throated Sparrow  
230 Lark Sparrow  
231 Lark Bunting  
232 Chipping Sparrow  
233 Clay-colored Sparrow  
234 Field Sparrow  
235 Brewer's Sparrow  
236 Fox Sparrow  
237 American Tree Sparrow  
238 Dark-eyed Junco  
239 Yellow-eyed Junco†  
240 White-crowned Sparrow  
241 Golden-crowned Sparrow

242 Harris's Sparrow  
243 White-throated Sparrow  
244 Sagebrush Sparrow†  
245 Vesper Sparrow  
246 LeConte's Sparrow  
247 Nelson's Sparrow  
\_\_\_\_ Baird's Sparrow  
248 Henslow's Sparrow  
249 Savannah Sparrow  
250 Song Sparrow  
251 Lincoln's Sparrow  
252 Swamp Sparrow  
253 Canyon Towhee†  
254 Rufous-crowned Sparrow  
255 Green-tailed Towhee  
256 Spotted Towhee  
257 Eastern Towhee

### CHATS

258 Yellow-breasted Chat

### BLACKBIRDS, ORIOLES

259 Yellow-headed Blackbird  
Bobolink  
260 Eastern Meadowlark  
261 Western Meadowlark  
\_\_\_\_ Orchard Oriole  
\_\_\_\_ Hooded Oriole†  
262 Bullock's Oriole  
263 Baltimore Oriole  
\_\_\_\_ Scott's Oriole†  
264 Red-winged Blackbird  
\_\_\_\_ Bronzed Cowbird†  
265 Brown-headed Cowbird  
266 Rusty Blackbird  
267 Brewer's Blackbird  
268 Common Grackle  
269 Great-tailed Grackle

### WARBLERS

\_\_\_\_ Ovenbird  
\_\_\_\_ Worm-eating Warbler  
\_\_\_\_ Louisiana Waterthrush  
\_\_\_\_ Northern Waterthrush  
\_\_\_\_ Golden-winged Warbler  
\_\_\_\_ Blue-winged Warbler  
\_\_\_\_ Black-and-white Warbler  
\_\_\_\_ Prothonotary Warbler  
\_\_\_\_ Swainson's Warbler†  
\_\_\_\_ Tennessee Warbler  
270 Orange-crowned Warbler  
271 Nashville Warbler  
\_\_\_\_ Virginia's Warbler  
\_\_\_\_ Connecticut Warbler  
\_\_\_\_ MacGillivray's Warbler  
\_\_\_\_ Mourning Warbler  
\_\_\_\_ Kentucky Warbler  
272 Common Yellowthroat  
\_\_\_\_ Hooded Warbler  
\_\_\_\_ American Redstart  
273 Cape May Warbler  
\_\_\_\_ Cerulean Warbler  
274 Northern Parula

- \_\_\_\_\_ Magnolia Warbler
- \_\_\_\_\_ Bay-breasted Warbler
- \_\_\_\_\_ Blackburnian Warbler
- 275 \_\_\_\_\_ Yellow Warbler
- \_\_\_\_\_ Chestnut-sided Warbler
- \_\_\_\_\_ Blackpoll Warbler
- \_\_\_\_\_ Black-throated Blue Warbler
- 276 \_\_\_\_\_ Palm Warbler
- 277 \_\_\_\_\_ Pine Warbler
- 278 \_\_\_\_\_ Yellow-rumped Warbler
- \_\_\_\_\_ Yellow-throated Warbler
- 279 \_\_\_\_\_ Prairie Warbler
- \_\_\_\_\_ Black-throated Gray Warbler
- \_\_\_\_\_ Townsend's Warbler
- \_\_\_\_\_ Hermit Warbler†
- 280 \_\_\_\_\_ Black-throated Green Warbler
- \_\_\_\_\_ Canada Warbler
- \_\_\_\_\_ Wilson's Warbler
- \_\_\_\_\_ Painted Redstart†

**GROSBEAKS, BUNTINGS**

- \_\_\_\_\_ Hepatic Tanager†
- \_\_\_\_\_ Summer Tanager
- \_\_\_\_\_ Scarlet Tanager
- 281 \_\_\_\_\_ Western Tanager
- 282 \_\_\_\_\_ Northern Cardinal
- 283 \_\_\_\_\_ Pyrrhuloxia†
- 284 \_\_\_\_\_ Rose-breasted Grosbeak
- 285 \_\_\_\_\_ Black-headed Grosbeak
- 286 \_\_\_\_\_ Blue Grosbeak
- \_\_\_\_\_ Lazuli Bunting
- 287 \_\_\_\_\_ Indigo Bunting
- \_\_\_\_\_ Painted Bunting
- 288 \_\_\_\_\_ Dickcissel

† Fewer than ten Kansas records

[ ] Hypothetical species

§ Probable breeding species

\* Confirmed breeding species

Probable and confirmed breeding species as defined by the Kansas Breeding Bird Atlas Project.

This list was compiled from records of the Kansas Ornithological Society, Kansas Breeding Bird Atlas Project, and the Kansas Biological Survey.

April 10, 2021

Rare birds noted with † should be reported to the Kansas Bird Records Committee (KBRC) care of Chuck Otte, 11319 Dundon Rd., Milford, KS 66514, [cotte@twinvalley.net](mailto:cotte@twinvalley.net)

More information on reporting rare birds can be found at the KBRC home page on the Kansas Ornithological Society's Web site at: <https://ksbirds.org>

Please report additions or errors on this list to Chuck Otte, 11319 Dundon Rd., Milford, KS 66514 [cotte@twinvalley.net](mailto:cotte@twinvalley.net)

479 species

A record for Taiga/Tundra Bean Goose (*Anser fabalis/Anser serrirostris*) was accepted in 2020. However, since it wasn't accepted at the species level it will not be added to the KOS Check-list at this time.

Of the 482 species documented to have occurred in Kansas, three species are not included on this list because they no longer occur. The Passenger Pigeon and Carolina Parakeet are extinct, and the Gunnison Sage-Grouse has been extirpated from the state.

The taxonomic sequence and nomenclature used in this list follow the *Check-list of North American Birds*, 7th edition, American Ornithologists Union, 1998, updated through the 61st Supplement, 2020, *The Auk*, Volume 137, Issue 3, 1 July 2020, ukaa030, <https://doi.org/10.1093/auk/ukaa030>

**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Arkansas City</b>	<b>Baldwin</b>	<b>Benedictine Bottoms</b>	<b>Black Wolf</b>	<b>Bonner Springs</b>	<b>Cheyenne Bottoms</b>	<b>Cimarron Nat. Grass</b>	<b>Council Grove</b>	<b>Dodge City</b>	<b>El Dorado Lake</b>	<b>Emporia</b>	<b>Fort Riley</b>	<b>Garden City</b>	<b>Halstead /Newton</b>
Snow Goose	3	69	2203	2	30	126049	10000	212	20029	CW	22978	371	4108	51424
Ross's Goose	4					51	1000		61		60		7	5505
Greater White-fronted Goose	375	80	37	31		235	19		818	110	322			1497
Cackling Goose	2032	100	4	150	44	4	5024	45	62	66	174	9	73	35422
Canada Goose	737	2431	323	1750	3760	1068	3000	600	552	887	4224	566	383	17107
goose species														
Trumpeter Swan					20									
Tundra Swan														
Wood Duck			1						CW			2	2	7
Blue-winged Teal						2								
Northern Shoveler	CW	4		12	4	636	21	4	25	7	7	1	3	
Gadwall	58	153	2	CW	117	105	2	7		30	130	18		4
American Wigeon	2	4				51	7		4		61			1
Mallard	91	461	455	36	90	2590	27	455	132	158	215	38		224
Northern Pintail	26				CW	1750				1				
Green-winged Teal	13	2	155		4	791	5	6		9	350	9	4	1
Canvasback				3					8		25			
Redhead				CW		14		5		3		10		
Ring-necked Duck	28	61	11		37		CW	6		23	12	12		5
Greater Scaup														
Lesser Scaup	CW			30	4		4	49			6	3		
Black Scoter														
Long-tailed Duck														
Bufflehead	2	5			10			60		23	103	5		
Common Goldeneye	8	31	15	7	35	4		387		252	124	4		
Hooded Merganser	82	17		CW				2		10	84	30		
Common Merganser			CW			240		60						
Red-breasted Merganser										4				
Ruddy Duck											4			
duck species										60	75			16
Northern Bobwhite	16		12	10		24	2	34	7	47	1	46	2	1
Wild Turkey	17	4	10	81	20	6		26		34		33		
Greater Prairie-Chicken				45						CW		6		
Lesser Prairie-Chicken														
Ring-necked Pheasant				14		14	1	2	CW	71			7	
Pied-billed Grebe	1				8	2		3		1	1		4	
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon	234	46	88	55	69	49	44	49	2694	7	623	16	110	50
Eurasian Collared-Dove	56	4	2	85		108	2336		695	72	18		1544	44
White-winged Dove							7		40				374	1
Mourning Dove	143	99	11	273	14	160	1254	78	757	49	26	38	100	19
Virginia Rail														
Sora														
American Coot	4				9	160		24		1			8	
Sandhill Crane				CW		55								
Whooping Crane														
Killdeer	2		3					2		3		4		
Least Sandpiper						5								
Wilson's Snipe	1													
Greater Yellowlegs	1					CW				1	1			
Bonaparte's Gull										9				
Ring-billed Gull	CW	16		1	3	10		90		2383	861	14		
Herring Gull						5		4		251		1		
Iceland Gull														
Lesser Black-backed Gull						1				1				
Great Back-backed Gull														
gull species											5			
Pacific Loon														
Common Loon								2						
Double-crested Cormorant	1	12			2	1		7		143	12			
American White Pelican				CW				43		25				
Great Blue Heron	4	2		1	3	31		11	2	7	6	4	2	7
Great Egret														
Black-crowned Night-Heron														
Black Vulture														
Turkey Vulture														
Osprey														
Golden Eagle							2							
Northern Harrier	6	13	3	31		33	27	23	22	2	15	61	24	2
Sharp-shinned Hawk	2	3	CW			2	2	1				5	2	2
Cooper's Hawk	1			3	1	1	1	2	2			4	5	3
Accipiter species														
Bald Eagle	5	14	11	11	8	25		7		5	15	5		6
Red-shouldered Hawk	6	25	3		8			12			7	8		
Red-tailed Hawk (including Krider's)	36	71	51	38	19	38	13	62	40	15	32	58	19	59
Harlan's Hawk	4	2	1									2	1	1
Rough-legged Hawk				1		3	1	4		CW	2	8	1	
Ferruginous Hawk							13		2				5	
Buteo species	1										1		2	1
Barn Owl						2			2		1			
Eastern Screech-Owl	1	3	1	CW		1			1		1			
Great Horned Owl	5	8	4	4	1	1	5	5	2	CW	5			2
Barred Owl	5	4	4	1	2			3		3	5	2		2
Long-eared Owl														
Short-eared Owl				1						1				
Belted Kingfisher	5	1	3	3	3			3		3	2	9	2	
Red-headed Woodpecker	4	3	2		12			2			5			1
Red-bellied Woodpecker	66	82	33	22	33	9		47		32	29	42	5	65
Yellow-bellied Sapsucker	7	5	1		2			2	CW		7	3		
Downy Woodpecker	23	47	10	14	17	8		3	6	23	15	30	11	30
Hairy Woodpecker	14	6	4	5	1	2		1	3	3	6	3	9	8
Northern Flicker Unidentified	37	38	47	36		25	9		16	22	42	62	8	40
Northern Flicker Yellow-shafted	6	20			29	9		72		9		13	2	4
Northern Flicker Red-shafted						9	3					4	7	1
Pileated Woodpecker	11	8	1		3					4	2	8		

**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Arkansas City</b>	<b>Baldwin</b>	<b>Benedictine Bottoms</b>	<b>Black Wolf</b>	<b>Bonner Springs</b>	<b>Cheyenne Bottoms</b>	<b>Cimarron Nat. Grass</b>	<b>Council Grove</b>	<b>Dodge City</b>	<b>El Dorado Lake</b>	<b>Emporia</b>	<b>Fort Riley</b>	<b>Garden City</b>	<b>Halstead /Newton</b>
American Kestrel	28	23	17	33	15	14	29	16	8	8	7	5	8	20
Merlin	1			1		1	3	1	2	1				
Peregrine Falcon						1								
Prairie Falcon	2			1				1			1		2	
Eastern Phoebe											1			
Say's Phoebe														
Loggerhead Shrike	5	1					7	4		1	4	2		1
Northern Shrike				2				1						1
shrike species												5		
Blue Jay	94	121	47	3	52	8		79	3	30	21	21	17	43
Black-billed Magpie							4		44					
American Crow	187	520	87	74	99	4		154		79	95	178		100
Chihuahuan Raven							1							
Common Raven							5							
Carolina Chickadee	96													
Black-capped Chickadee		187	26	22	37	1		34		68	40	78		113
Tufted Titmouse	65	102	24	1	47			9		26	41	16		25
Horned Lark	304	203	9	650	7	29	514	67	224		53	8	2578	84
Bushtit														
Ruby-crowned Kinglet	9	7	5	1	10	1		3	4		2	6	3	2
Golden-crowned Kinglet	13	25	1		1			11		9	2			
Cedar Waxwing	243	375			2	3		43	3	CW	22	30		3
Red-breasted Nuthatch	1					2		4	9				12	2
White-breasted Nuthatch	29	49	23	18	31	4	4	14	6	12	18	25	1	28
Brown Creeper	7	2	CW	1	1			3		2	1	3	1	2
Blue-gray Gnatcatcher							CW							
Rock Wren														
Bewick's Wren														
Carolina Wren	56	37	13	5	14	1		18		20	17	31		34
House Wren							1							
Winter Wren	7	6	CW	1	1			1	1	10	2	3		11
Marsh Wren						3		3	2				6	
Gray Catbird												CW		
Curve-billed Thrasher							3							
Brown Thrasher														
Sage Thrasher														
Northern Mockingbird	5	10	1		1			5		5				2
European Starling	1296	1946	221	850	935	10693	121	311	1538	3893	1185	463	5748	1907
Eastern Bluebird	81	131	24	18	44	14		132		35	23	64		15
Mountain Bluebird														
Townsend's Solitaire														
Hermit Thrush	1	17										1		
American Robin	998	1182	85	1	53	25	31	433	118	672	469	892	350	266
House Sparrow	395	209	55	425	27	172	376	54	755	67	17		287	80
American Pipit														
Pine Grosbeak														
House Finch	17	41	3	19	27	18	20	43	78	30	15	38	64	40
Purple Finch	1	24			1							5		
Red Crossbill													3	
Pine Siskin	3						77		13	1	4		28	
Lesser Goldfinch														
American Goldfinch	41	429	21	32	22	33	54	16	2	45	12	77	8	22
Lapland Longspur	70			525		254	66	30	4677		3		2569	30
Chestnut-collared Longspur							152							
Smith's Longspur							CW				11			
Thick-billed Longspur														
longspur species							577				1			
Black-throated Sparrow														
Lark Bunting								87						1
Chipping Sparrow														
Field Sparrow	3					7	3		1			12	6	
Brewer's Sparrow														
Spizella species														
Fox Sparrow	12	4	1	1	4	2		4		9	11			5
American Tree Sparrow	75	83	134	215	10	340	43	178	46	165	60	315	40	33
Unidentified Junco	54	389	119	95		77	171		192		166	61	238	111
Slate-colored Junco	302	67	41	235	202	12	202	512		325		164	9	50
Oregon Junco	3	4		5		6	21			7			2	
Pink-sided Junco							15					2	1	
Gray-headed Junco							1							
White-crowned Sparrow	52	56	13	3	1	5	570	28	68	38	7	4	746	4
Harris's Sparrow	606	62	12	295	10	127	4	90	43	247	29	9	44	154
White-throated Sparrow	40	53	2		24			15	1	1	12	17		11
Vesper Sparrow							21							
LeConte's Sparrow	1													
Savannah Sparrow	10	2					2	6						
Song Sparrow	116	24	16	12	7	20	108	28	9	14	90	35	26	15
Lincoln's Sparrow	8												5	
Swamp Sparrow	4	1	1	1			3							
Canyon Towhee							1							
Rufous-crowned Sparrow							2							
Spotted Towhee	6				1		7	5	2	7		6		2
Eastern Towhee														
sparrow species											22			
Eastern Meadowlark	117	123		14	1	56		41		1		28		3
Western Meadowlark	109	183	1	513	30	305	379	3	246		23		417	2
Sturnella species	226	54	97	498		265	168	78	358	15	120	1		389
Red-winged Blackbird	6856	375	600	2945	80	339	923	1011	1562	20260	6680	196	2356	668
Brown-headed Cowbird	131	1		2			320	5	25	3000	22	5	2	9
Rusty Blackbird	14	125		150	1	30		6			9	16		
Brewer's Blackbird	2957	1		435				15	191		20		11	
Common Grackle	8	2				5		3		821	4		1	1
Great-tailed Grackle						67				245			637	
blackbird species							1		1065	245				
Yellow-rumped (Myrtle) Warbler	200	100						22	60	12	222	10000		6260
Audubon's Warbler	26	86	3		13					21	21	16		3
Northern Cardinal	201	103	44	25	52	12	1	160	14	92	31	84	4	127
<b>Total Species</b>	<b>93</b>	<b>78</b>	<b>60</b>	<b>66</b>	<b>69</b>	<b>77</b>	<b>66</b>	<b>89</b>	<b>57</b>	<b>75</b>	<b>85</b>	<b>72</b>	<b>60</b>	<b>66</b>
<b>Total Individuals</b>	<b>20378</b>	<b>11500</b>	<b>5257</b>	<b>10883</b>	<b>6285</b>	<b>147345</b>	<b>27939</b>	<b>6251</b>	<b>37421</b>	<b>35092</b>	<b>40317</b>	<b>14495</b>	<b>23058</b>	<b>122240</b>

**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Hays</b>	<b>Holton</b>	<b>John Redmond</b>	<b>Junction City</b>	<b>Kanopolis Reservoir</b>	<b>Lawrence</b>	<b>Leavenworth Atchison</b>	<b>Linn County</b>	<b>Manhattan</b>	<b>Marion</b>	<b>Melvorn Reservoir</b>	<b>Olathe</b>	<b>Olsburg</b>	<b>Oskaloosa Perry Lake</b>
Snow Goose		695	29580	783	300	CW	6332	1829	11013	5589	344		125	34
Ross's Goose					1	2	1	16	12	8	3			
Greater White-fronted Goose		50	3		25	9		9771	12	2787			75	50
Cackling Goose	1		4	55	31	81	10	150	19	4017	90	23		1
Canada Goose	100	795	546	1021	322	2340	783	707	2145	7301	400	791	122	3946
goose species								4800						
Trumpeter Swan						7							2	
Tundra Swan														
Wood Duck									CW	CW		2		
Blue-winged Teal														
Northern Shoveler		1	50	2	14	140		54		15	44	50	4	12
Gadwall	56		48	30		515	11	608	14	268	12	205	6	25
American Wigeon	2		6			29	4	5	6	18				
Mallard	79	81	2177	124	359	554	521	9471	207	1455	87	150	391	1468
Northern Pintail			210		3	CW		390		2			2	
Green-winged Teal			38	10	19	81	11	87	42	15	11			1
Canvasback	4					4								
Redhead	4					6				6	9			2
Ring-necked Duck		1	20	14	25	9	10			14		111		1
Greater Scaup			1		1						12			
Lesser Scaup				3	1	175				3	300		11	17
Black Scoter														
Long-tailed Duck						CW			CW					
Bufflehead			35		2	129		5	2	2	180		3	18
Common Goldeneye		17	22	188	805	1310	24	13	43	232	370	24	12	659
Hooded Merganser			23		302	44		258	36	6	4	8		50
Common Merganser				8	271	11			CW	48	19	1	57	413
Red-breasted Merganser					1	32			CW		76			
Ruddy Duck					CW				CW		50			
duck species								135	CW		2			
Northern Bobwhite	2	16	21	17	51				148	3	26		10	
Wild Turkey	15	24	4		22	5		1	143	50	48	15	62	16
Greater Prairie-Chicken									4					
Lesser Prairie-Chicken														
Ring-necked Pheasant	2				3					CW				
Pied-billed Grebe			2			3		27		1	11	5		5
Horned Grebe						1		4						
Eared Grebe						2		1						
Western Grebe														
Rock Pigeon	31	11	6	280	27	511	5	10	163	115	50	54	3	29
Eurasian Collared-Dove	143	20	12	42	41	9		3	172	9	4		16	7
White-winged Dove	2													
Mourning Dove	14	13	51	23	190	398	1	78	198	62	80	106	23	74
Virginia Rail														
Sora														
American Coot			18		5	77		26	1	37	10			8
Sandhill Crane														
Whooping Crane														
Killdeer		2				1			1	1				7
Least Sandpiper														1
Wilson's Snipe														
Greater Yellowlegs										2				
Bonaparte's Gull			3		1	75		350	59					39
Ring-billed Gull			30	23	295	9380		236	1108	121	47	548	265	625
Herring Gull			16	5	49	4		1	1		2		25	2
Iceland Gull														
Lesser Black-backed Gull														
Great Back-backed Gull					1									
gull species									15					
Pacific Loon														
Common Loon			4	CW		2		23			9		CW	
Double-crested Cormorant		1	817	2	12	5		19	28	1	3			2
American White Pelican			68	106	43	18	50	31	55	3	11			402
Great Blue Heron	2		9	7	3	10		15	19	14	13	10	1	6
Great Egret														
Black-crowned Night-Heron														
Black Vulture														
Turkey Vulture														
Osprey														
Golden Eagle					1								1	
Northern Harrier	15	8	19	11	12	5	1	21	9	8	24	2	19	9
Sharp-shinned Hawk		2	1	3	1	3	3	1	5	3	1		4	3
Cooper's Hawk	6	1	1	1	1	4		2	2	2	4	2	2	2
Accipiter species														
Bald Eagle		5	32	20	14	24	12	26	36	21	20	7	7	38
Red-shouldered Hawk		17		1		32	9	15	13	2	8	8		27
Red-tailed Hawk (including Krider's)	18	57	55	52	26	45	29	93	57	50	57	20	70	79
Harlan's Hawk				2			2	1	3				3	
Rough-legged Hawk		1	1						1		2		4	
Ferruginous Hawk														
Buteo species	2								4				6	
Barn Owl														
Eastern Screech-Owl					1	2		4						
Great Horned Owl	1			1	1	4		4	2	1	3	3	1	1
Barred Owl				1	2	5		13	5	3	2	3	2	5
Long-eared Owl														
Short-eared Owl								3			3			
Belted Kingfisher				5	4	4		1	8	1	1	5	1	3
Red-headed Woodpecker		1	1			12	4	192	2			3	1	2
Red-bellied Woodpecker	3	58	19	23	28	66	31	80	160	39	44	43	33	70
Yellow-bellied Sapsucker		2		3	1	5		2	10	2	3	1	2	2
Downy Woodpecker	7	26	17	15	15	81	14	54	95	26	48	41	26	62
Hairy Woodpecker		6	6	1	8	18	3	7	19	4	6	19	4	8
Northern Flicker Unidentified	16	64	20	48	35	13	12	75	79	35		10	38	110
Northern Flicker Yellow-shafted	4		11	8	6	109	3		89		78	29	1	
Northern Flicker Red-shafted					1				1				2	
Pileated Woodpecker		1	2	1		15	4	11	15	4	1	2		6

**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Hays</b>	<b>Holton</b>	<b>John Redmond</b>	<b>Junction City</b>	<b>Kanopolis Reservoir</b>	<b>Lawrence</b>	<b>Leavenworth Atchison</b>	<b>Linn County</b>	<b>Manhattan</b>	<b>Marion</b>	<b>Melvern Reservoir</b>	<b>Olathe</b>	<b>Olsburg</b>	<b>Oskaloosa Perry Lake</b>
American Kestrel	2	16	15	7	12	15	10	16	15	13	14	7	6	9
Merlin				2	2	1			2	1			1	
Peregrine Falcon							1							
Prairie Falcon	2			2					2					1
Eastern Phoebe														
Say's Phoebe														
Loggerhead Shrike	1		5		1			5		2	4		2	2
Northern Shrike				1	1	CW			1					
shrike species														
Blue Jay	2	65	55	14	8	142	33	241	144	28	121	103	21	102
Black-billed Magpie														
American Crow	16	143	160	273	66	458	112	205	3642	84	245	134	3288	278
Chihuahuan Raven														
Common Raven														
Carolina Chickadee														
Black-capped Chickadee	20	59	45	23	36	285	54	79	262	55	79	136	42	173
Tufted Titmouse		23	13	5	1	123	37	106	109	12	37	52	15	83
Horned Lark	1343			78	3	260	30	10	27	148	101	3	1	30
Bushtit														
Ruby-crowned Kinglet		4		1	4	7	2	7	8	3	2	4		11
Golden-crowned Kinglet		3		1		6	7	12	3	1	10	7		5
Cedar Waxwing	12	119	34	9	10	546	49	101	179	8	90	98	35	315
Red-breasted Nuthatch	5											2		
White-breasted Nuthatch	3	7	6	7	6	42	23	41	72	11	23	18	10	40
Brown Creeper	1	1			1	5	1	7	2	2	3	9		3
Blue-gray Gnatcatcher														
Rock Wren														
Bewick's Wren														
Carolina Wren		2	2	6	23	61	5	36	76	23	27	38	4	33
House Wren														
Winter Wren		3			3	5	2	3	4	3	3	8		5
Marsh Wren					1			2						
Gray Catbird						1								
Curve-billed Thrasher														
Brown Thrasher			1											1
Sage Thrasher												CW		
Northern Mockingbird	1	8	1		1	1		5	2	2	5	3	1	5
European Starling	3122	487	400	2044	470	10400	150	1927	3568	354	500	293	424	421
Eastern Bluebird		69	21	32	19	157	56	125	326	29	89	91	44	158
Mountain Bluebird	6				32									
Townsend's Solitaire														
Hermit Thrush				2	3	2	3	2	5				1	2
American Robin	113	332	704	339	167	5440	198	52	1600	102	409	589	317	699
House Sparrow	460	77	18	56	96	239	11	82	364	44	80	9	17	124
American Pipit											2			
Pine Grosbeak														
House Finch	78	46	7	34	28	321	16	19	307	11	67	162	57	68
Purple Finch		1			2	5		7	4				12	3
Red Crossbill														
Pine Siskin				2		CW		10	23	2	6	4		1
Lesser Goldfinch														
American Goldfinch		41	13	34	42	285	31	49	316	13	123	67	103	88
Lapland Longspur	55			50	1	2					6			
Chestnut-collared Longspur														
Smith's Longspur											5			
Thick-billed Longspur														
longspur species														
Black-throated Sparrow														
Lark Bunting														
Chipping Sparrow														
Field Sparrow			1		6	1		1					4	
Brewer's Sparrow														
Spizella species														
Fox Sparrow	1	1	7		12	13	5	15	9	6	6	3	2	
American Tree Sparrow	48	126	140	49	344	155	54	63	132	188	755	44	217	
Unidentified Junco	52	215	1						374			13		1041
Slate-colored Junco	13		110	294	187	910	171	447	499	213	466	290	182	
Oregon Junco									2					
Pink-sided Junco				1										
Gray-headed Junco														
White-crowned Sparrow	6	15	1	1	4	70	2	63	21		23	40	10	16
Harris's Sparrow	21	134	152	57	177	122	9	26	222	350	184	3	171	89
White-throated Sparrow		4		17		145	31	80	53		6	68	2	35
Vesper Sparrow														
LeConte's Sparrow						1								
Savannah Sparrow						1		11			4			
Song Sparrow	13	9	7	14	23	88	15	49	48	20	56	40	51	45
Lincoln's Sparrow				1		3		2	2				2	1
Swamp Sparrow					1	28		24	2		2	15	1	3
Canyon Towhee														
Rufous-crowned Sparrow														
Spotted Towhee					10	1	1	1	3	5	3	1	3	4
Eastern Towhee														
sparrow species														
Eastern Meadowlark			18	61	2	8		99	3	230	23	1		155
Western Meadowlark	132		1	5	96	24	30	47	27	2	8			1
Sturnella species	519	151	233	83	205	80	134	30	89	69	90		119	141
Red-winged Blackbird	864	58	3790	804	6350	6770	150239	7250	193	748	800	7	180	389
Brown-headed Cowbird	6	18		4	168	15			5	21	4		1	4
Rusty Blackbird	6				53	8	30	18	2					
Brewer's Blackbird	4	25	200	40	7046	5		11			32			1
Common Grackle			1			8								
Great-tailed Grackle	5							104576	4			6		
blackbird species					150			562						
Yellow-rumped (Myrtle) Warbler		16	220											
Audubon's Warbler			3	42	2	41	2	83	79	10	56	72	4	30
Northern Cardinal	4	44	8	45	51	248	37	87	264	101	136	125	50	124
<b>Total Species</b>	<b>53</b>	<b>61</b>	<b>72</b>	<b>72</b>	<b>90</b>	<b>98</b>	<b>58</b>	<b>95</b>	<b>88</b>	<b>81</b>	<b>89</b>	<b>67</b>	<b>72</b>	<b>88</b>
<b>Total Individuals</b>	<b>7465</b>	<b>4298</b>	<b>40402</b>	<b>7479</b>	<b>19308</b>	<b>43978</b>	<b>159481</b>	<b>146425</b>	<b>29379</b>	<b>25320</b>	<b>7335</b>	<b>4866</b>	<b>6842</b>	<b>13174</b>

**Table 4. 2023-2024 KOS CBC.**

Species	Parsons	Quivira NWR	Red Hills	St. Marys	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Syracuse	Tallgrass Nat. Pre.	Topeka	Udall /Winfield
Snow Goose	3000	310	1	20890	33	5746	228	2	1	12	66352	120	2598	125
Ross's Goose		20	2	4		16	3		8		153		1	103
Greater White-fronted Goose	332	4037	131		212	40	650		283	23	1		5	1051
Cackling Goose	30	300	23	1	322	284	93	60	4781		1	40	123	16456
Canada Goose	440	375	645	563	2526	436	2015	625	1074	357	453	221	6391	6593
goose species									1000			35		10055
Trumpeter Swan	48			CW				10				2		
Tundra Swan		5												
Wood Duck			5				6			7	3			2
Blue-winged Teal					5									
Northern Shoveler			28		51	6	4		4			10	33	23
Gadwall	61		23	8				43	8		12		38	134
American Wigeon	17	CW	6		9	9	6	5			266		55	
Mallard	8302	937	173	124	69	6	114	162	112	19	201	13	329	935
Northern Pintail	2013	4	1						7		4			3
Green-winged Teal	65	364	76	2				2			5		1	10
Canvasback	20		6										1	41
Redhead			1								20		18	
Ring-necked Duck	92		1	2	19			15	3		13		2	20
Greater Scaup									4				1	
Lesser Scaup			2	4					12				199	8
Black Scoter														1
Long-tailed Duck														
Bufflehead	14			11				20			1	1	42	64
Common Goldeneye	32			89	15			20	5		4	74	83	122
Hooded Merganser	56			8	51			10			3	4	20	7
Common Merganser	2			19	4		CW					9	8	
Red-breasted Merganser														
Ruddy Duck	18							2						5
duck species			25	50	40				100					
Northern Bobwhite		15	13	6	12	29	22				16	CW	4	
Wild Turkey	40	7	16	4		24	136	11			12		27	93
Greater Prairie-Chicken														
Lesser Prairie-Chicken		16				3	6				4			
Ring-necked Pheasant								1	11		3			
Pied-billed Grebe	3			1						6			26	1
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon			15	142	80		140	10			254		572	2
Eurasian Collared-Dove	3	13	66	17	40	62	723	14	11	14	945		32	42
White-winged Dove							1							
Mourning Dove	89	72	74	4	39	239	56	26	30	118	538	45	447	71
Virginia Rail		1					3							
Sora														
American Coot					5						2		53	
Sandhill Crane		1532	580			CW								
Whooping Crane		CW												
Killdeer	26			2				3						6
Least Sandpiper														4
Wilson's Snipe	7							4	3					
Greater Yellowlegs	5	3			2									
Bonaparte's Gull								18						1
Ring-billed Gull	445	2		169	508				2		1	5	56	101
Herring Gull					3									
Iceland Gull														
Lesser Black-backed Gull														
Great Back-backed Gull														
gull species												2		
Pacific Loon														
Common Loon														
Double-crested Cormorant	300				1				1					43
American White Pelican	42													34
Great Blue Heron	9		2	1		11	3		4	4	6	2	10	5
Great Egret														
Black-crowned Night-Heron														
Black Vulture								3						
Turkey Vulture	1													
Osprey					1									
Golden Eagle							1	1			1			
Northern Harrier	9	43	14	12	8	6	15	10	20	15	65	4	1	24
Sharp-shinned Hawk		3	2	1	3		3	1		1	6		3	2
Cooper's Hawk	1	3					3			1	1		8	1
Accipiter species			1		1		2							
Bald Eagle	11	59	2	34		1		18	5	10	1	1	12	12
Red-shouldered Hawk	9		1	4				7	1	18			26	4
Red-tailed Hawk (including Krider's)	18	48	31	65	40	22	10	30	47	61	18	4	53	73
Harlan's Hawk		1			2			2		1				1
Rough-legged Hawk		3		1	1			1	1	1		1		1
Ferruginous Hawk		2						8						
Buteo species										1				
Barn Owl														
Eastern Screech-Owl		1					3		1					1
Great Horned Owl	3	6	4		1	1	5	1	4	1	5	2	2	
Barred Owl	5	2			3	1			7	2		1	1	3
Long-eared Owl														
Short-eared Owl	1	4		1			CW		1	1			1	
Belted Kingfisher	3		2	5	3	4	4		3	4	3		6	
Red-headed Woodpecker	9				2			1			27		4	2
Red-bellied Woodpecker	46	17	26	41	30	22	7	22	14	57		16	101	59
Yellow-bellied Sapsucker	2	1	3	5	1	8	2	2		5		1	5	3
Downy Woodpecker	27	11	18	32	8	17	20	13	2	35	4	8	87	15
Hairy Woodpecker	2	4	9	8	4	7	16	3	2	6	3		5	5
Northern Flicker Unidentified	29	103	60	32	33	25	58	7	3	29	35	16	114	17
Northern Flicker Yellow-shafted	10	4	5		5	3	7	16	2	3				11
Northern Flicker Red-shafted		6			1	10	11					1		
Pileated Woodpecker	4	2	2	8	2	CW		9		7		2	1	12



**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Parsons</b>	<b>Quivira NWR</b>	<b>Red Hills</b>	<b>St. Marys</b>	<b>Salina</b>	<b>Sawyer</b>	<b>Scott Lake</b>	<b>Sedan</b>	<b>Slate Creek Wetlands</b>	<b>SE KS Mined</b>	<b>Syracuse</b>	<b>Tallgrass Nat. Pre.</b>	<b>Topeka</b>	<b>Udall /Winfield</b>
American Kestrel	14	16	30	13	19	13	11	22	9	34	23		15	19
Merlin		2				1	1			1	4			
Peregrine Falcon													1	
Prairie Falcon			1		1	3	2			1	3			
Eastern Phoebe														
Say's Phoebe											1			
Loggerhead Shrike	7	4	6			4		21	2	7	1	CW		10
Northern Shrike		2	3	1		1				1	1			
shrike species														
Blue Jay	71	1	15	29	13	1	4	35		164	12	3	227	65
Black-billed Magpie											8			
American Crow	88	5	116	111	44	49		310	43	153	14	41	344	243
Chihuahuan Raven														
Common Raven											7			
Carolina Chickadee	66		27			8		32	13	72				92
Black-capped Chickadee				73	61	13						15	172	1
Tufted Titmouse	32		5	31	4	8		51	2	33	9	81	60	60
Horned Lark		33	4	47	82	430	2915	10	53	27	3758	14	8	65
Bushtit							1							
Ruby-crowned Kinglet	3	8	13	2	2	11	6	1	5	4		1	8	18
Golden-crowned Kinglet	6	2			2		3	1		4			6	6
Cedar Waxwing	287	72	23	5	5	37	88	76		50			205	39
Red-breasted Nuthatch							6			1			1	2
White-breasted Nuthatch	15	9	2	24	12	34	5	25	1	7		4	49	23
Brown Creeper	1	1	1		1	2	1		1	4			3	4
Blue-gray Gnatcatcher														
Rock Wren			1				1							
Bewick's Wren			3											3
Carolina Wren	13		27	12	7	22		22		19		4	42	38
House Wren						2								
Winter Wren	1	1	10	3	4	5	1	2				1	4	6
Marsh Wren	2	1	7			1	6				1			
Gray Catbird					1									
Curve-billed Thrasher														
Brown Thrasher					3								1	
Sage Thrasher														
Northern Mockingbird	5	1	5	2		1		3		20			1	5
European Starling	473	577	182	181	1745	432	1214	328	167	229	1251	52	3461	910
Eastern Bluebird	29	3	24	41	22	22	27	78	2	54		4	141	70
Mountain Bluebird		45	54			18	CW							
Townsend's Solitaire							31							
Hermit Thrush								2		2			3	2
American Robin	84	336	702	193	528	324	364	235	292	182	25	77	3866	225
House Sparrow	31	2	39	43	81	108	656	31	12	34	242	3	275	65
American Pipit														
Pine Grosbeak							17							
House Finch	3	1	6	12	28	11	96	4		3	5	5	419	10
Purple Finch								1		4			2	
Red Crossbill														
Pine Siskin	1		22				7	19					3	3
Lesser Goldfinch							CW							
American Goldfinch	132	13	48	27	10	7	8	20	15	63	2	7	165	18
Lapland Longspur		26	42		150	112	10267		21	238	6129			4
Chestnut-collared Longspur							2				1			
Smith's Longspur	3									5				
Thick-billed Longspur							5							
longspur species														
Black-throated Sparrow														
Lark Bunting														
Chipping Sparrow			8											
Field Sparrow		9	28		1	6	1	9	4	3				9
Brewer's Sparrow														
Spizella species			30								1			
Fox Sparrow	3	17	13	1		5	2	4	8	17		5	6	6
American Tree Sparrow		446	127	177	108	70	44	19	28	1	72	50	44	26
Unidentified Junco	230	90		279		343	213		39	238	142	72	838	
Slate-colored Junco		80	305		130	209	13	250	174	87				383
Oregon Junco		8	1			4	3	3	6					2
Pink-sided Junco			1				1		1					
Gray-headed Junco														
White-crowned Sparrow	117	30	258	19	8	122	356	15	81	258	356		5	25
Harris's Sparrow	95	185	302	103	118	458	78	155	626	182	17	27	105	240
White-throated Sparrow	44	2	7	21	15	12		2	18	102	1		88	2
Vesper Sparrow		1	12								3			
LeConte's Sparrow														
Savannah Sparrow	39	7	80			9			3	52				12
Song Sparrow	45	49	130	15	16	42	56	16	61	77	29	2	32	34
Lincoln's Sparrow	6		16			3	2		4	2				1
Swamp Sparrow	67	7	5		1	3			2	31			4	
Canyon Towhee														
Rufous-crowned Sparrow			2				1							
Spotted Towhee			13	2	3	9	41	2	3	3	4	1	3	4
Eastern Towhee	1													
sparrow species										36				
Eastern Meadowlark	147	26	56	135		10		53	12	195				4
Western Meadowlark	3	56	5	48	227	29	403		16	6	756			21
Sturnella species	25	60	583	195	123	960	239	239	821	63		2	176	526
Red-winged Blackbird	1135	450	879	447	1683	697	292	211	732136	549	2579	6	369	520
Brown-headed Cowbird	350	18	20		25	12		142	601	22			2	505
Rusty Blackbird			2	5	1		22		13	300			3	12
Brewer's Blackbird			1			110		338	30	37	672			4766
Common Grackle			17		20			1	100	30	15		3	20
Great-tailed Grackle		2			2						3			
blackbird species	600	340	1053		300		2008		100012	30		35	50	75
Yellow-rumped (Myrtle) Warbler	19	13	69	4	2	18	11	64	3	38	1	1	27	31
Audubon's Warbler			1											
Northern Cardinal	55	21	41	38	67	43	44	49	83	116	1	7	175	80
<b>Total Species</b>	<b>85</b>	<b>76</b>	<b>88</b>	<b>69</b>	<b>76</b>	<b>72</b>	<b>75</b>	<b>76</b>	<b>70</b>	<b>76</b>	<b>75</b>	<b>49</b>	<b>88</b>	<b>94</b>
<b>Total Individuals</b>	<b>20410</b>	<b>11414</b>	<b>7578</b>	<b>24709</b>	<b>9870</b>	<b>11892</b>	<b>23722</b>	<b>4111</b>	<b>843100</b>	<b>4737</b>	<b>85571</b>	<b>1090</b>	<b>22986</b>	<b>45771</b>

**Table 4. 2023-2024 KOS CBC.**

<b>Species</b>	<b>Waconda Reservoir</b>	<b>Wakefield</b>	<b>Wichita</b>	<b>Wilson Lake</b>	<b>Yoder</b>	<b>TOTALS</b>
Snow Goose	50019	138	18	403	3	<b>444101</b>
Ross's Goose	4	1	6	10		<b>7062</b>
Greater White-fronted Goose	335	10	247	170		<b>23833</b>
Cackling Goose	21	5	15352	46		<b>85629</b>
Canada Goose	57	443	7237	236	140	<b>89534</b>
goose species						<b>15890</b>
Trumpeter Swan		2				<b>91</b>
Tundra Swan						<b>5</b>
Wood Duck			33			<b>70</b>
Blue-winged Teal			1		3	<b>11</b>
Northern Shoveler	450	305	300			<b>2385</b>
Gadwall	130		145	1		<b>3327</b>
American Wigeon	13		93	1		<b>680</b>
Mallard	2569	40	625	642	12	<b>37480</b>
Northern Pintail	6		4			<b>4426</b>
Green-winged Teal	79	3	4	18		<b>2293</b>
Canvasback	2		164			<b>278</b>
Redhead	1		21	4		<b>124</b>
Ring-necked Duck	2	1	132			<b>702</b>
Greater Scaup			78			<b>97</b>
Lesser Scaup	8		685			<b>1524</b>
Black Scoter						<b>1</b>
Long-tailed Duck						<b>CW</b>
Bufflehead	81		129	6		<b>953</b>
Common Goldeneye	184	43	169	833		<b>6259</b>
Hooded Merganser	9	2	230	36		<b>1392</b>
Common Merganser	22	24	3	2		<b>1221</b>
Red-breasted Merganser						<b>113</b>
Ruddy Duck	6		68			<b>290</b>
duck species						<b>368</b>
Northern Bobwhite						<b>613</b>
Wild Turkey		1	56	1	5	<b>1069</b>
Greater Prairie-Chicken						<b>55</b>
Lesser Prairie-Chicken						<b>CW</b>
Ring-necked Pheasant	7			9		<b>170</b>
Pied-billed Grebe			13			<b>128</b>
Horned Grebe						<b>5</b>
Eared Grebe						<b>2</b>
Western Grebe						<b>1</b>
Rock Pigeon	33	13	364	3	9	<b>7066</b>
Eurasian Collared-Dove	69	3	58	16	10	<b>7580</b>
White-winged Dove			14			<b>439</b>
Mourning Dove	34	57	21	187	33	<b>6512</b>
Virginia Rail				1		<b>5</b>
Sora				1		<b>1</b>
American Coot	86		116	3		<b>653</b>
Sandhill Crane				1		<b>2168</b>
Whooping Crane						<b>CW</b>
Killdeer	5		4	3		<b>75</b>
Least Sandpiper	1					<b>11</b>
Wilson's Snipe			8	1		<b>24</b>
Greater Yellowlegs						<b>15</b>
Bonaparte's Gull	1	13		6		<b>575</b>
Ring-billed Gull	76	249	255	480	340	<b>18745</b>
Herring Gull	26	4	6	105		<b>510</b>
Iceland Gull				1		<b>1</b>
Lesser Black-backed Gull						<b>2</b>
Great Back-backed Gull						<b>1</b>
gull species						<b>22</b>
Pacific Loon				1		<b>1</b>
Common Loon				5		<b>45</b>
Double-crested Cormorant	4		352	5		<b>1774</b>
American White Pelican	3	8	12			<b>954</b>
Great Blue Heron	2	1	23	3	2	<b>277</b>
Great Egret			1			<b>1</b>
Black-crowned Night-Heron	1		8			<b>9</b>
Black Vulture						<b>3</b>
Turkey Vulture						<b>1</b>
Osprey						<b>1</b>
Golden Eagle						<b>7</b>
Northern Harrier	15	18	1	2	6	<b>713</b>
Sharp-shinned Hawk	3	4	1	3		<b>85</b>
Cooper's Hawk	1		3	5	1	<b>81</b>
Accipiter species					2	<b>6</b>
Bald Eagle	8	4	6	1	2	<b>561</b>
Red-shouldered Hawk			2		5	<b>278</b>
Red-tailed Hawk (including Krider's)	34	73	45	17	10	<b>1958</b>
Harlan's Hawk						<b>29</b>
Rough-legged Hawk		1				<b>42</b>
Ferruginous Hawk						<b>46</b>
Buteo species	3					<b>23</b>
Barn Owl				1		<b>6</b>
Eastern Screech-Owl			3			<b>25</b>
Great Horned Owl		3	1	2		<b>104</b>
Barred Owl	2	1	4			<b>104</b>
Long-eared Owl						<b>2</b>
Short-eared Owl						<b>18</b>
Belted Kingfisher	1	1	6	1	1	<b>114</b>
Red-headed Woodpecker						<b>292</b>
Red-bellied Woodpecker	20	30	36	18	5	<b>1729</b>
Yellow-bellied Sapsucker		1	1	2		<b>102</b>
Downy Woodpecker	7	12	39	5	5	<b>1162</b>
Hairy Woodpecker	10	4	10	3	2	<b>278</b>
Northern Flicker Unidentified	20	9	42	33	11	<b>1613</b>
Northern Flicker Yellow-shafted		8	18	5		<b>599</b>
Northern Flicker Red-shafted			4	8		<b>69</b>
Pileated Woodpecker						<b>148</b>
American Kestrel	1	4	14	16	7	<b>668</b>

Table 4. 2023-2024 KOS CBC.

Species	Waconda Reservoir	Wakefield	Wichita	Wilson Lake	Yoder	TOTALS
Merlin	3	1		1	1	34
Peregrine Falcon						3
Prairie Falcon				1		26
Eastern Phoebe						1
Say's Phoebe						1
Loggerhead Shrike	4			1	1	115
Northern Shrike	5			2		23
shrike species						5
Blue Jay	4	23	95			2380
Black-billed Magpie						56
American Crow	6	136	183	28	19	12614
Chihuahuan Raven						1
Common Raven						12
Carolina Chickadee						406
Black-capped Chickadee	8	18	82	10	18	2425
Tufted Titmouse		10	21			1319
Horned Lark	122	9	45	29	138	14553
Bushtit						1
Ruby-crowned Kinglet	1		12	14		215
Golden-crowned Kinglet		1	2			150
Cedar Waxwing	30	20	43	66		3375
Red-breasted Nuthatch			2			49
White-breasted Nuthatch	27	5	11	7	3	834
Brown Creeper		1	9			87
Blue-gray Gnatcatcher						CW
Rock Wren						2
Bewick's Wren						6
Carolina Wren	6	12	32	4	1	843
House Wren						3
Winter Wren	1	2	7	4	1	136
Marsh Wren		2		6		43
Gray Catbird						2
Curve-billed Thrasher						3
Brown Thrasher			1			7
Sage Thrasher						1
Northern Mockingbird		1	1			109
European Starling	714	599	2855	667	1033	72737
Eastern Bluebird		16	2	16		2348
Mountain Bluebird				155		310
Townsend's Solitaire				1		32
Hermit Thrush			4			52
American Robin		220	650	310	2	25251
House Sparrow	82	19	141	22	4	6486
American Pipit						2
Pine Grosbeak						17
House Finch	41	42	86	9		2455
Purple Finch						72
Red Crossbill	4			2		9
Pine Siskin						229
Lesser Goldfinch						CW
American Goldfinch	8	67	33	45		2707
Lapland Longspur	10		3			25340
Chestnut-collared Longspur						155
Smith's Longspur						24
Thick-billed Longspur						5
longspur species						578
Black-throated Sparrow						1
Lark Bunting						87
Chipping Sparrow						9
Field Sparrow			2	3		120
Brewer's Sparrow						1
Spizella species						30
Fox Sparrow	2	5	8	44	5	284
American Tree Sparrow	170	98	8	235	81	5943
Unidentified Junco			88	195	112	6248
Slate-colored Junco	150	138	192	60	48	8122
Oregon Junco	2			8		87
Pink-sided Junco	5		1			28
Gray-headed Junco						1
White-crowned Sparrow	64	131	8	2	20	3742
Harris's Sparrow	211	62	130	85	91	6719
White-throated Sparrow		1	48	1	5	986
Vesper Sparrow						37
LeConte's Sparrow						2
Savannah Sparrow			1			239
Song Sparrow	48	84	26	30	6	1796
Lincoln's Sparrow				2		60
Swamp Sparrow	1			1		208
Canyon Towhee						1
Rufous-crowned Sparrow						5
Spotted Towhee		3	10	15		184
Eastern Towhee						1
sparrow species						58
Eastern Meadowlark		40	3	CW		1665
Western Meadowlark	304	4		130		4592
Sturnella species	120	234		25	299	8663
Red-winged Blackbird	7093	266	322	95	1120	974142
Brown-headed Cowbird	54				25	5544
Rusty Blackbird		26				852
Brewer's Blackbird	6	1		76	9	17040
Common Grackle	1			10	77	105734
Great-tailed Grackle			10	150	111	2859
blackbird species	5015				130	126873
Yellow-rumped (Myrtle) Warbler		10	20	53		1035
Audubon's Warbler						1
Northern Cardinal	18	75	143	31	15	3376
<b>Total Species</b>	<b>77</b>	<b>71</b>	<b>93</b>	<b>87</b>	<b>46</b>	<b>170</b>
<b>Total Individuals</b>	<b>68811</b>	<b>3921</b>	<b>32631</b>	<b>6013</b>	<b>3989</b>	<b>2256539</b>