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THE KANSAS WINTER BIRD COUNT FOR 2022-2023

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The mild weather, and reduction of Covid cases, may have been the impetus for the increase in Christmas Bird Counts (CBC's) reported this year, 51, which is also the average since 2000. The count period ran from 12 December 2022 through 12 January 2023. Similar to last year, state coverage was good with most physiographic provinces represented.

The average low temperature for all counts was 25.8°F (-3.4°C), up from last year's 25.1°F (-3.8°C), and the average high was 44.2°F (6.8°C) down from 45.8°F (7.7°C) last year. The range was 10°F (-12.2°C, Wilson Lake) to 69°F (20.6°C, Cimarron National Grasslands, CNG). Only two counts (3.9%) did not reach the freezing mark; and 12 counts (23.5%) never dipped below freezing. The average low windspeed was 5.4 mph (8.7 km/h) and the high average was 13.7 mph (22.1 km/h). Only three counts reported snow.

The 571 observers (average 11.2/count, range 1 to 39/count), is up from 555 last year, above the 564 average since 2000, and approaching number pre-Covid. Manhattan had the most participants with 39, followed by Olathe with 37, and Lawrence with 31. Though the number of participants was greater this year, the number of party-hours decreased from last year's 1,709.89 (average 35.6/count), to 1,602.57 (average 31.4/count). They compiled 11,742.75 party-miles (average 221.2/count), also a decrease from last year's 11,902.86 party miles (average 248/count). Feeder watchers increased from last year's 51 to 57. Feeder observer hours also increased from last year's 98.05 to 128.85 this year. Owling hours and miles also showed an increase from last year to 37.78 (36.76 previous year), and 265.35 (253.05) respectively.

The 167 species, though slightly down from last year's 169, is the average since 2000. It would have been 169 species if not for the count-week Pacific Loon at Wilson Lake, and a Pine Warbler at Hays. Counts averaged 71 species, down from 76 last

year. Nine counts (17.6%) recorded 90 or more species, up from seven (14.5%) last year. No counts broke the century mark this year. Lawrence had the highest with 96 species, followed by Winfield with 93; John Redmond, Linn County, Manhattan, Melvern Reservoir, and Parsons, each with 92; Wichita with 91; and Baldwin with 90. The Tall Grass Prairie Preserve (TGPP) had the fewest species with 30, followed by Syracuse with 47. All other counts had 50 or more species reported.

Only 1,434,644 individuals were observed this year, well below the 6,384,848 observed last year, and the 5,660,529 average since 2000. In fact, this is the second lowest total number of individuals observed since 2000, the lowest during the 2007-2008 season with 1,172,420. With such low numbers reported, no counts reported above one million birds, and only one, Webster Reservoir (248,394 individuals, 17.3% of total) reported more than a hundred-thousand birds. Seven counts (13.7%) had fewer than 5,000 individuals with the lowest being observed at TGPP with 422, followed by Lovewell Reservoir (3,308), Anthony (3,596), Sedan (3,611), Leavenworth/Atchison (4,280), Benedictine Bottoms (4,373), and Southeast Kansas Mined Lands (4,488).

Inevitably, the Red-winged Blackbird is the most abundant species reported on Kansas CBCs, but this year, the Snow Goose (all forms) with 464,443 individuals, or 32.4% of the total takes the reign. The Snow Goose numbers were also up from last year's 428,334 (6.7% of total). Red-winged Blackbird was next with 235,504 individuals (16.4% of total), considerably below last year's 3,849,689 individuals. The Canada Goose with 131,035 individuals (9.1% of total) was the only other species with great than a hundred-thousand.

Unlike recent years where it seemed as new or exceptionally rare species were observed, this year was rather normal other than a Green-tailed Towhee at Wichita. Other noteworthy species in taxonomic order are as follows: two American Black Ducks at Lawrence; a Black Scoter at Cheyenne Bottoms; three Long-tailed Ducks at John Redmond; an Eared Grebe at Wilson Lake; three Western Grebes with one at Kanopolis Lake and two at Linn County; a Greater Roadrunner at Red Hills; a Sora at Wilson Lake; and 4,935 Sandhill Cranes (7,299 average since 2000) on four counts, with 4,800 at QNWR, 116 at Red Hills, 11 at Cheyenne Bottoms, and eight at Yoder; a Black-legged Kittiwake at John Redmond; a Red-throated Loon at John Redmond; and the 844 American White Pelicans on 11 counts (21.6% of all counts) were down both in number of individuals and number of counts last year (1,239, and 14 respectively). A Great Egret and eight Black-crowned Night-Herons were reported in Wichita, both species were reported there last year as well. Though Black Vultures were not reported in Sedan, three were observed in Arkansas City, and one in Southeast Kansas Mined Lands. Three Northern Saw-whet Owls, always exciting finds, one each at Lawrence, Linn County, and Webster. Peregrine Falcon's lingered in Kansas, with three reported, one each from Parsons, Syracuse, and Topeka.

Unusual passerines of interest follow in taxonomic sequence. The Eastern Phoebe has become an annual occurrence in Kansas during the CBC period in small numbers, and one was observed this year at Udall/Winfield, they have averaged 3.7

since 2000. Other notable species include: one Woodhouse's Scrub-Jay at CNG; one Chihuahuan Raven at CNG; nine Common Ravens, eight at Syracuse and one at CNG; three Rock Wrens with two at Scott Lake and one at Red Hills; a Sedge Wren at Parsons; a Gray Catbird at Sawyer; four Brown Thrashers, one each at Black Wolf, John Redmond, Lawrence, and Wilson Lake; seven American Pipits four at Junction City, and three at Wichita; three Red Crossbills at Pomona Reservoir; two Lesser Goldfinches at Manhattan; five Chipping Sparrows, two at Fort Riley, and one each at Baldwin, El Dorado Lake, and Sedan; a Vesper Sparrow at Halstead/Newton; a Le Conte's Sparrow at Red Hills; a Rufous-crowned Sparrow from Red Hills; a Yellow-headed Blackbird at Wakefield; and three Common Yellowthroats, two at Southeast Kansas Mined Lands, and one at Parsons.

Numbers for species of conservation concern included: 327 Trumpeter Swans (up from 55 last year and 199 the year before); only 44 Greater Prairie-Chickens, an increase from 41 last year (average 147/yr since 2000, 166/yr since 1995); again, no Lesser Prairie-Chickens were recorded (average 7.78/yr since 2000, 8.8/yr since 1995) for the 10th time since 2000. The 90 Loggerhead Shrikes is a rebound from 61 last year, below the average of 73.5 since 2000, and below the 80.3 since 1995. The 14 Northern Shrikes is a slight increase from last year's 12, and at the average of 14.1 per year since 2000, and 15.1 since 1995. Only 23 Scaled Quail were reported (all from CNG, none last year), but below the average of 37.7/yr since 2000. Northern Bobwhite continue to decrease with 416 individuals, down from last year's 585 and 890 the year before, the second lowest total reported since 2000 (345 in 2013), and well below the averages of 757.5 since 2000, and 916 since 1995. Wild Turkey increased from last year's 1,034 to 1,612 individuals, below the average of 2,745 since 2000. Bald Eagles increased to 1,225 individuals from last year's 804, and above the averages of 684.7 since 2000, and 691 since 1996. Northern Harriers increased for a third year with 1,026 individuals, though still below the 1,085 average since 2000. The 30 Ferruginous Hawks is up from last year's low of 14, but still below the averages of 52 since 2000, and 55.5 since 1995. There was a decrease in Golden Eagles recorded, five compared to seven last year, still below the average of 9.6 since 1995. The 28 Black-billed Magpies is down from last year's 51, and well below the averages of 127/yr since 2000, and 232/yr since 1995. The 480 Rusty Blackbirds is a decrease from last year's 927, and below the 912.6 average since 2000, but well below the average of 3,567 since 1995. The Brewer's Blackbird count of 15,467 individuals is down from last year's total of 29,068, and above the averages of 13,641 since 2000 and 12,581.5 since 1995.

Red-shouldered Hawk numbers were up from last year's 184 to a new record of 229 individuals (previous record was 225 in 2018-2019), and well above the average of 65.4 since 1995. The 2,374 Red-tailed Hawk (all forms) numbers was a decrease from last year's 3,168 individuals and below the average of 3,094.5 since 1995. Harlan's Hawk was up from last year's 64 to 71 this year. Rough-legged Hawk numbers declined to 99 individuals, down from 179 reported last year. Merlin's decreased from 43 last year to 40. Prairie Falcons slightly decreased from 63 individuals last year to 39 this year.

Eurasian Collared-Doves continue to be the most abundant dove/pigeon in Kansas. The 6,228 individuals is a decrease from last year's 8,169, and above the averages of 4,754 since 1997-1998, and 5,373 since 2000. Seven counts (13.7% 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 Garden City with 1,885 individuals (1,603 last year, 1,533 average since 2000), followed by CNG with 1,623 (899 last year, 770 average since 2000), and Scott Lake with 1,383 individuals (878 last year, 950 average since 2000). Wilson Lake recorded their highest total of collared-doves ever with 450 (59 average, range 0-176, since 2000) with a previous high of 176 in 2018-2019. The Rock Pigeon showed a decrease from last year's 7,429 to 4,364 individuals. Like last year, only seven counts reported White-winged Doves, though they decreased from last year's 404 to 297 individuals, which is above the average of 177/yr since 2000. Garden City led with 261 (87.9% of total) individuals. Dodge City was not run this year, which certainly skews data for doves and pigeons.

Red-headed Woodpeckers did well with 624 individuals, the second highest total since 1995 (701 in 1997), and above the average of 306 per/yr since then. The 138 Pileated Woodpeckers is down from last year's record high of 165, but well above the averages of 79.5 since 2000, and 80 since 1995. The 1,179 Downy Woodpeckers is a slight increase from last year's 1,155 individuals, and below the 1,238/yr average since 2000.

Local resident species like the White-breasted Nuthatch, Black-capped Chickadee, Carolina Chickadee, and Tufted Titmouse all varied slightly in number from the previous year. The 804 White-breasted Nuthatches was slightly below last year's 821, and below the 847 average since 2000. The 2,494 Black-capped Chickadees was only slightly above the two previous years, and above the 2,364 average since 2000; and the 1,277 Tufted Titmice was slightly above last year's 1,210, but also above the 1,190 average since 2000. The Carolina Chickadee increased from last year's 390 to 434 this year, below the 455 average since 2000.

The 1,148 Eastern Bluebirds was a slight increase from last year's 1,044. Mountain Bluebirds increased from 55 last year to 282 this year. Townsend's Solitaires increased for the fourth consecutive year with 76 individuals (47 last year). Hermit Thrushes decreased for the third consecutive year from 23 to 17 this year; and American Robins decreased from 30,306 last year to 16,682 this year.

Harris's Sparrows decreased from last year's 8,977 to 6,794 individuals, well below the averages of 9,939 since 2000, and 10,689 since 1995. For the second year in a row SCW had the high-count with 535 individuals (758 last year), and Udall/Winfield was next with 372 (486 last year), followed by Sawyer with 366. After a few decades of increasing Savannah Sparrows, only 26 were reported on 12 counts, the second lowest count since 1996 (11), and well below the average of 317 since 2000, and 284 since 1995.

Northern irruptive species were few and far between. Red-breasted Nuthatches were stable with 155 this year compared to 159 individuals last year; 54 Purple Finches (101 last year), below the average of 141/yr since 2000; and only 14 Pine Siskins (30 last year), the second lowest total since 2000 (13 in 2006), and well below the average of 519.6/yr since 2000. American Goldfinches decreased from 3,370 individuals last year to 2,198, well below the average of 4,715 since 1995. The House Finch numbers increased slightly from 2,090 individuals last year to 2,186 this year, below the average of 2,701 since 2000. The 283 Yellow-rumped Warblers (all forms) is a decrease of last year's 1,400, and well below the average of 1,267.1 since 1995. The Northern Cardinal increased from last year's 3,898 to 4,889 individuals this year, below the average of 4,712 since 2000.

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 122nd CBC (Ortega, B. 2022. 122nd CBC Season Highest Tallies for Individuals in the United States. Web page: <https://www.audubon.org/news/122nd-cbc-season-highest-tallies-individuals-united-states>) high national counts from Kansas included: 62,400 Mallards at Webster Reservoir (also high for last year); 3,926 Eurasian Collared-Doves at Dodge City; 74 Thick-billed Longspurs at CNG; 2,040 American Tree Sparrows at QNWR; 598 Harris's Sparrows at Marion (last year high was in Manhattan); 3,506,329 Red-winged Blackbirds at Cheyenne Bottoms (last year Halstead-Newton); and 21,379 Brewer's Blackbirds at Arkansas City.

COUNT DATA

Anthony. 37.151627°N, -98.083055°W. Center as described in 2020. 15 December 2022; 8:30 a.m. to 3:30 p.m.; 29°F to 40°F. Wind WNW 20-30 mph. Still water open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Five observers in 2 parties. Total party-hours 11.17 (0.67 on foot, 10.5 by car). Total party-miles 161.2 (1.2 on foot, 160 by car). Total 51 species; 3,596 individuals.

Tom Ewert, Elsie Fisher, Mary Herold (compiler—herold4us@gmail.com), Janet Krack, Rodney Wedel.

Arkansas City. 37.038349°N, -97.039315°W. Center as described in 1978. 28 December 2022; 7:30 to 5:30 p.m.; 40°F to 65°F. Wind S 10-25 mph. Still water partly open, moving water partly open; cloud cover a.m. 51-75%, p.m. 51-75%. Six observers in 3 parties. Total party-hours 27.75 (7.25 on foot, 20.5 by car), plus 0.25 hours owling. Total party-miles 249 (7 miles on foot, 242 by car), plus 1 mile owling. Total 83 species; 48,201 individuals.

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

Baldwin. 38.782355°N, -95.269002°W. Center as described in 1986. 18 December 2022; 7:00 a.m. to 5:00 p.m.; 12°F to 39°F. Wind SW-NE 0-5mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Snow 0.25 inches. Thirteen observers in 8 parties, plus 3 at feeders. Total party-hours 56.33 (10.05 on foot, 46.28 by car), plus 5 hours at feeders, and 3.6 hours owling. Total

party-miles 411.41 (8.21 on foot, 403.2 by car), plus 19.5 miles owling. Total 90 species; 16,605 individuals.

Jan Boyd, Roger Boyd, Dan Broers, Bill Busby, Cal Cink (compiler—ccinkbird76@gmail.com), Jo Cink, Joe Hoelscher, Scott Kimball, Becky McMillen, Danny McMillen, Jan Morris-Nitchel, Barbara Pressgrove, Amanda Pumphrey, Nick Pumphrey, Charlotte Rogers, Michelle Rogers, Gary Sanden.

Benedictine Bottoms. 39.609167°N, -95.134161°W. Center as described in 2006. 30 December 2022; 7:00 a.m. to 3:00 p.m.; 34°F to 45°F. Wind E to W 0-5 mph. Still water completely frozen, moving water partly open; cloud cover, a.m. 76-95%, p.m. 0-25%. Five observers in 3 parties. Total party-hours 13 (1.5 on foot, 11.5 by car). Total party-miles 142.5 (1 on foot, 141.5 by car). Total 53 species; 4,373 individuals.

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

Black Wolf. 38.769021°N, -98.362339°W. Center as described in 1993. 7 January 2023; 8:00 a.m. to 6:15 p.m.; 23°F to 44°F. Wind N 0-14 mph. Still water partly open, moving water partly open; cloud cover a.m. 26-50%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 29 (7 on foot, 22 by car), plus 1 hour owling. Total party-miles 338 (2 on foot, 336 by car), plus 5 miles owling. Total 76 species; 20,373 individuals.

Mark Keller, David Klema, Bob Kruger, Dan Larson, Beth Ptacek, Ellen Rader, Heather Rader, Jennifer Rader, Mike Rader (compiler—mike_rader@hotmail.com), Roger Schultz.

Bonner Springs/Lansing. 39.179439°N, -94.900504°W. Center as described in 1995. 18 December 2022; 7:00 a.m. to 5:00 p.m.; 20°F to 38°F. Wind calm. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Five observers in 5 parties, plus 1 at feeders. Total party-hours 35 (5.5 on foot, 29.5 by car), plus 0.5 hours at feeders, and 0.5 hours owling. Total party-miles 206 (5 on foot, 201 by car), no owling miles reported. Total 71 species; 8,602 individuals.

John Bollin, Melody Miller, Galen Pittman (compiler—galenpitt@gmail.com), John Schukman, Daniel Williams.

Cheyenne Bottoms. 38.434582°N, -98.682986°W. Center as described in 2014. 19 December 2022; 8:00 a.m. to 4:00 p.m.; 33°F to 44°F. Wind SE to N 5-12 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Fifteen observers in 6 parties, plus 1 at feeders. Total party-hours 22.55 (0.75 on foot, 21.8 by car), plus 3 hours at feeders, and 0.25 miles owling. Total party-miles 247 (1 on foot, 246 by car), plus 1 mile owling. Total 61 species; 7,606 individuals.

Sonja Brandt, Bob Fiala, Jordan Keil, Jonas Kern, Mandy Kern, Pam Martin, Paul Mater, Elsi Miller, Dayona Nett, Robert Penner, Griffin Peterson, Mike Rader, Gene Schneweis, Kim Schneweis, Jason Wagner, Curtis Wolf (compiler—cjwolf@fhsu.edu).

Cimarron National Grasslands. 37.117119°N, -101.896033°W. Center as described in 2015. 31 December 2022; 8:00 a.m. to 5 p.m.; 32°F to 69°F. Wind N 0-7

mph. Still water partly open, moving water none; cloud cover a.m. 0-25%, p.m. 51-75%. Six observers in 3 parties. Total party-hours 24.75 (8 on foot, 16.75 by car). Total party-miles 212.90 (6.9 on foot, 206 by car). Total species 58; Total individuals 8,753.

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

Council Grove. 38.685573°N, -96.506701°W. Center as described in 2010. 6 January 2023. 7:30 a.m. to 4:00 p.m.; 27°F to 50°F. Wind S to N 5-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Ten observers in 5 parties, plus 1 at feeders. Total party-hours 32 (10 on foot, 22 by car), plus 0.3 hours at feeders, and 0.3 hours owling. Total party-miles 221 (8 on foot, 213 by car), plus 2 miles owling. Total 82 species; 8,290 individuals.

Jessica Hastings, Dana Howard, Steve Howard, Steve Jennings, Jennifer Malcolm, Jim Malcolm (compiler—iambirding@prodigy.net), Cortney Ross, Katherine Schroeder, Mike Thomas, Thomas Williams.

El Dorado Lake. 37.841944°N, -96.818611°W. Center as described in 2003. 20 December 2022; 8:00 a.m. to 3:30 p.m.; 25°F to 31°F. Wind N to NE 5 to 10 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast, p.m. overcast. Twelve observers in 5 parties. Total party-hours 32.75 (4.75 on foot, 28 by car), plus 1 hour owling. Total party-miles 288.25 (5.25 on foot, 283 by car), plus 5 miles owling. Total 78 species, 8,366 individuals.

Vickie Cikanek (compiler—vickie.cikanek@ks.gov), Tom Ewert, Charley Green, Kevin Groeneweg, Emalee Hurla, Patty Marlett, Atcha Nolan, Carolyn Schwab, Steve Taylor, Rod Wedel, Chris Walker, Dennis Zehr.

Emporia. 38.448579°N, -96.079284°W. Center as described in 1985. 18 December 2022; 7:30 a.m. to 5:30 p.m.; 16°F to 43°F. Wind W to SE 0 to 8 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 76-95%. Nine observers in 4 parties, plus 2 at feeders. Total party-hours 21.25 (12 on foot, 9.25 by car), plus 6 hours at feeders, and 1.5 hours owling. Total party-miles 115 (5 on foot, 110 by car), plus 3.5 miles owling. Total 72 species; 11,676 individuals.

Denise Cameron, Owen Harbison, Bill Jensen (compiler—wjensen1@emporia.edu), Michele Kessler, Alexis Powell, Greg Sievert, Lynette Sievert, David Simon, Stephen Taylor.

Fort Riley. 39.160000°N, -96.775000°W. Center as described in 2008. 14 December 2022; 7:30 a.m. to 4:30 p.m.; 26°F to 37°F. Wind SW to W 14-13 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. overcast. Twelve observers in 9 parties. Total party-hours 64 (31.5 on foot, 32.5 by car). Total party-miles 295.5 (44.5 on foot, 251 by car). Total 79 species; 7,827 individuals.

Brian Herrin, Mike Houck (compiler—mike.p.hock.civ@army.mil), Alan Hynek, Livvy Jones, Jeff Keating, Stan Marshall, Brian Monser, Derek Moon, Brett Parsons, Caroline Skidmore, Alex Thornburg, Steve Wahle.

Garden City. 37.916637°N, -100.801463°W. Center as described in 2001. 17 December 2022; 8:00 a.m. to 5:30 p.m.; 24°F to 46°F. Wind NW 1-11 mph. Still water partly open, moving water none; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties, plus 4 at feeders. Total party-hours 31.8 (9.5 on foot, 22.3 by car), plus 14 hours at feeders. Total party-miles 194.2 (6 on foot, 188.2 by car). Total 51 species; 10,604 individuals.

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

Halstead/Newton. 38.043040°N, -97.472938°W. Center as described in 1970. 17 December 2022; 7:00 a.m. to 4:30 p.m.; 18°F to 42°F. Wind WNW to NW 4-18 mph. Still water completely frozen, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties. Total party-hours 26.37 (8.42 on foot, 17.95 by car), plus 0.33 hours owling. Total party-miles 273.47 (15.14 on foot, 258.33 by car), plus 0.5 miles owling. Total 67 species; 11,313 individuals.

Ray Franz, Gregg Friesen, Lorna Harder (compiler—lornajhh@gmail.com), Carolyn Schwab, Joe Soukup, Dwight Platt, Rod Wedel, Allison Wiens, Jean Woods.

Hays. 38.834547°N, -99.401859°W. Center as described in 1987. 17 December 2022; 8:00 a.m. to 12:30 p.m.; 13°F to 38°F. Wind W to NW 9-13 mph. Still water completely frozen, moving water partly open; cloud cover a.m. 51-75%, p.m. 26-50%. Ten observers in 5 parties, plus 3 at feeders. Total party-hours 16.5 (2 on foot, 14.5 by car), plus 2.5 hours at feeders, and 0.5 hours owling. Total party-miles 219.5 (2.5 on foot, 217 by car), plus 1.3 miles owling. Total 52 species; 12,664 individuals.

Medhavi Ambardar (compiler—medhavi.a@gmail.com), Jackie Augustine, Sonja Brandt, Adam Conkey, Anthony Fast, Chris Kingwill, David Levering, Kim Perez, Mike Rader, Dean Stramel, Nathan Sullivan, Leslie Watson-Divittore, Laura Wilson.

Holton. 39.463006°N, -95.725506°W. Center as described in 2011. 30 December 2022; 7:30 a.m. to 3:00 p.m.; 30°F to 50°F. Wind W to E 0-5 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Ten observers in 4 parties. Total party-hours 21 (1 on foot, 20 by car). Total party-miles 129.25 (1.25 on foot, 128 by car). Total 57 species; 17,135 individuals.

Diana Busey, Glenn Caspers, Antonio Casteneda, Dan Larson, Debbie McKee, Carol Morgan (compiler—crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Tara Porter.

John Redmond Reservoir. 38.274807°N, -95.820825°W. Center as described in 1993. 17 December 2022; 7:30 a.m. to 5:00 p.m.; 22°F to 34°F. Wind NW to W 5-20 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 20-25%. Thirteen observers in 7 parties, plus 1 at feeders. Total party-hours 23.5 (1.5 on foot, 22 by car), plus 1.5 hours at feeders, and 0.25 hours owling. Total party-miles 214 (2 on foot, 212 by car), plus 2 miles owling. Total 92 species; 81,356 individuals.

Henry Armknecht, Bob Culbertson (compiler—bob.culbertson@kaws.org), Wes Fleming, Eugene Goff, Lila Goff, Carol Houlihan, Dan Larson, Tim Menard, Jim Minnerath, Sarah Morgan, Andrew Rutter, Logan Smith, Dan Williamson.

Junction City. 39.000566°N, -96.880836°W. Center as described in 1992. 27 December 2022; 7:30 a.m. to 3:00 p.m.; 15°F to 41°F. Wind SW 5-20 mph. Still water partly open, moving water partly open. Snow 1.0 inches. Cloud cover a.m. 0-25%, p.m. 26-50%. Seven observers in 5 parties. Total party-hours 21.8 (3 hours on foot, 18.8 hours by car). Total party-miles 217.5 (4.1 miles on foot, 213.4 by car). Total 74 species; 28,574 individuals.

Marcia Abbick, Jane Hebert, Jeff Keating, Robert Kruger, Dan Larson, Chuck Otte (compiler—cotte@twinvalley.net), Jaye Otte.

Kanopolis Reservoir. 38.609862°N, -97.852696°W. Center as described in 1983. 12 December 2022. 8:00 a.m. to 4:00 p.m.; 42°F to 52°F. Wind SW 10-20 mph. Still water open, moving water open; cloud cover a.m. overcast, foggy, p.m. overcast, foggy, light rain. Twelve observers in 4 parties. Total party-hours 22 (5.0 on foot, 17 by car), plus 0.5 hours owling. Total party-miles 144 (4 on foot, 140 by car), plus 6 miles owling. Total 74 species; 6,639 individuals.

Henry Armknecht, Dan Baffa, Tim Baffa, Diana Busey, Dave Klema, Robert Kruger (compiler—robertkruger118@gmail.com), Dan Larson, Carol Morgan, Mike Rader, Roger Schultz, Carolyn Schwab, Rod Wedel.

Kirwin Reservoir. 39.689633°N, -99.122307°W. Center as described in 1994. 2 January 2023; 8:00 a.m. to 5:45 p.m.; 36°F to 38°F. Wind NE to SW 8-10 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast p.m. 76-95%. Three observers in 2 parties. Total party-hours 16.5 (16.5 by car). Total party-miles 157 (157 by car). Total 56 species; 45,508 individuals.

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

Lawrence. 38.993330°N, -95.311110°W. Center as described in 1981. 17 December 2022; 7:00 a.m. to 5:30 p.m.; 26°F to 36°F. Wind N 0-10 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 0-25%. Thirty-one observers in 15 parties, plus 8 at feeders. Total party-hours 100 (40.75 on foot, 54 by car), 6 hours owling, plus 20 hours at feeders, and 5.25 hours by ATV. Total party-miles 497 (39.5 on foot, 449 by car), plus 11 miles owling, and 8.5 miles by ATV. Total 96 species; 31,868 individuals.

Bob Antonio, Rebecca Atchley, Kelly Barth, Roger Boyd, Jan Breshnahan, Jim Breshnahan, Cal Cink, Jacob Cooper, Lucas DeCicco, Eric Dyck, Can Elvirici, Lisa Grossman, Heather Hill, Susan Iverson, Scott Kimball, Kathy Kloche, Jack Lapin, Matt Longbaugh, Rachel McNemee, Galen Pittman (compiler—galenpitt@gmail.com), Alexis Powell, Nick Pumphery, Christopher Rogers, Bob Rucker, Kim Sain, Dawn Sharp, Fernando Stredel, Phil Wedge, Susan Weimer, Joyce Wolf, Ron Wolf.

Leavenworth-Atchison. 39.389810°N, -95.011063°W. Center as described in 1992. 26 December 2022; 7:30 a.m. to 3:30 p.m.; 16°F to 20°F. Wind N to NW 15-20 mph. Still water frozen, moving water partly open; cloud cover, a.m. overcast, light snow, p.m. 51-75%. Snow 2 inches. Five observers in 4 parties. Total party-hours 23.5 (1 on foot, 22.5 by car). Total party-miles 178 (1 on foot, 177 by car). Total 55 species; 4,280 individuals.

John Bollin III, Robert Dooley, Sue Newland, Galen Pittman, John Schukman (compiler—schuksaya@kc.rr.com).

Linn County. 38.286910°N, -94.752250°W. Center as described in 2016. 14 December 2022; 7:30 a.m. to 5:00 p.m.; 28°F to 42°F. Wind S 10-15 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 51-75%. Seventeen observers in 7 parties, plus 1 at feeders. Total party-hours 36 (8.5 on foot, 27.5 by car), plus 2 hours at feeders, and 3 hours owling. Total party-miles 337 (12 on foot, 325 by car), plus 31 miles owling. Total species 92; 83,394 individuals.

Henry Armknecht, Don Arney, Jan Boyd, Roger Boyd (compiler—rboymbird69@gmail.com), Calvin Cink, Jo Cink, Malcolm Gold, Dave Kirsch, Will Kirsch, Mark Land, Dan Larson, Carol Morgan, Janet Reynolds, Rose Reynolds, Ruth Reynolds, Terry Swope, Bob Yang.

Lovewell Reservoir. 39.842693°N, -98.138727°W. New center, at T Rd, one mile east of 190 Rd at the point where the road jogs south. 31 December 2022; 7:30 a.m. to 4:15 p.m.; 28°F to 49°F. Wind SE to SW 0-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 26-50%, p.m. 26-50%. One observer in 1 party. Total party hours 8 (8 hours by car), plus 0.5 hours owling. Total party miles 95 (95 by car), plus 7 miles owling. Total species 54; 3,308 individuals.

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

Manhattan. 39.188659°N, -96.580997°W. Center as described in 1993. 17 December 2022; 7:00 a.m. to 4:30 p.m.; 17°F to 38°F. Wind W to NW 7-15 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Thirty-nine observers in 16 parties, plus 9 at feeders. Total party-hours 64.7 (25.7 on foot, 39 by car), plus 25.5 hours at feeders, and 0.75 hours owling. Total party-miles 414.5 (23.5 on foot, 391 by car), no owling miles reported. Total 92 species; 67,598 individuals.

Susan Allen, Isabella Benyshek, Emma Blackwood, Alice Boyle, Coleen Brown, Merry Brown, Doris Burnett, Ted Cable, Jeff Calhoun, Colton Cape, Greg Clark, Elizabeth Dodd, Michael Donnelly, Gary Haden, Carole Ann Harber, Kristen Hobbs, Lowell Johnson, Michael Kanost, Jim Koelliker, Marilynn Koelliker, Shawn Kokenge, Louis Kokenge, Wendy Matlock, Mark Mayfield (compiler—markherb@ksu.edu), Kathleen Oldfather, Camille Reiber, Jacob Riggs; David Rintoul, Nicole Rogers, Robert Rosenberg, John Row, Diane Row, Melissa Ruetti, Marla Shoemaker, Elsie Shogren, Katy Silber, Gerry Snyder, Gayla Snyder, Alli Stanton, Lisa Tatonetti, Scott Taylor, Carla Trecek, Elisabeth Vanderlip, Judy Willingham, Pate Willingham, Kimberly With, Patricia Yeager.

Marion. 38.377227°N, -97.074830°W. Center as described in 1993. 29 December 2022; 8:00 a.m. to 5:00 p.m. 41°F to 59°F. Wind S 10-40 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 4 parties, plus 1 at feeders., Total party-hours 33.5 (8.5 on foot, 25 by car), plus 0.25 hour owling, and 1.5 hours at feeders. Total party-miles 302.75 (8.75 on foot, 294 by car), plus 1 mile owling. Total 69 species; 20,149 individuals.

Vanessa Bergman, Tom Ewert (compiler—trewert@yahoo.com), Kevin Groeneweg, TJ Hagen, Chloe Hagen, Bob Hoopes, Patty Marlett, Susan Mayo, Jim Nickle, Marie Plinsky, Carolyn Schwab, Rod Wedel, Gerald Wiens.

Melvern Reservoir. 38.497600°N, -95.790205°W. Center as described in 2013. 17 December 2022; 7:30 a.m. to 4:30 p.m.; 13°F to 37°F. Wind S to N 5-10 mph. Still water partly open, moving water open; a.m. cloud cover 0-25%, p.m. 0-25%. Seven observers in 3 parties, plus 1 at feeders. Total party-hours 21 (3 on foot, 18 by car), plus 1 hour at feeders, and 1.5 hours owling. Total party-miles 232 (6 on foot, 226 by car), plus 9 miles owling. Total 92 species; 12,816 individuals.

Jennifer Aldridge, Steve Howard, Jennifer Malcolm, Jim Malcom (compiler—iambirding@prodigy.net), Katherine Schroeder, Mike Thomas, Jason Williams.

Olathe. 38.912700°N, -94.852157°W. Center as described in 1987. 17 December 2022. 7:00 a.m. to 5:15 p.m.; 24°F to 36°F. Wind WNW to ESE 8-26 mph. Still water partly open, moving water open; cloud cover a.m. overcast, light snow, p.m. 0-25%. Thirty-seven observers in 20 parties, plus 4 at feeders. Total party-hours 57.3 (44.65 on foot, 12.67 by car), plus 14.25 hours at feeders, and 0.75 hours owling. Party-miles 149.4 (61.01 on foot, 88.35 by car), plus 9.3 miles owling. Total 78 species; 7,557 individuals.

Debbi Adams, Mike Adams, Tony Andersen, Aaron Batterbee, Westin Branick, George Chiu, Wayne Dahl, Kristen Dickerson, Greg Hoefler, Kristen Jackson, Jeanine Jangles, Mary Johnson, Kevin Keltner, Mark Land, Brendan Lavicky, Jackson Lavicky, Zac Lavicky, Ted Maxwell, Dave Miller, Olivia Miller, Kim Morenz, Rosanna Munoz (compiler—rosannaemn@gmail.com), Steve Phillips, Randy Ray, Jen Reynolds, Kiersyn Reynolds, Kathryn Slinkard, Terry Swope, Ann Tanner, Mark Terry, Nick Varvel, Deb Wald, Charlotte Walker, Jim Walton, Bryan White, Jeff Witters, Melissa Yates-Bruce.

Olsburg. 39.428262°N, -96.644070°W. Center as described in 1991. 18 December 2022; 7:45 a.m. to 5:30 p.m.; 11°F to 34°F. Wind SSE 10-15 mph. Still water completely frozen, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties, plus 1 at feeders. Total party-hours 21.75 (4.25 on foot, 17.5 by car), plus 4 hours at feeders. Total party-miles 188.5 (3.5 on foot, 185 by car). Total 65 species; 61,494 individuals.

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

Oskaloosa/Perry Reservoir. 39.201493°N, -95.403925°W. Center as described in 1980. 18 December 2022; 7:00 a.m. to 5:00 p.m.; 18°F to 39°F. Wind 0-2 mph. Still water frozen, moving water partly open; cloud cover a.m. 0-25%, p.m. 26-50%. Twenty observers in 9 parties. Total party hours 61.75 (4.25 on foot, 57.5 by car), plus 1.5 hours owling. Total party-miles 348.5 (4.75 by foot, 343.75 by car), plus 11 miles owling. Total 74 species; 15,540 individuals.

Henry Armknecht, Diana Busey, Pam Chaffee, Dena Friesen, Kaylynn Hobelman,

Susan Iversen, Jennifer Jones, Mike Laird, Dan Larson, Sam Mannell, Terry Mannell, Debra McKee (compiler—grmasurf@gmail.com), Sue Newland, Marie Plinsky, Julia Pollom, Melody Pollom, Tara Porter, Bob Rucker, Roseanne Smith, Janeen Walters.

Parsons. 37.478425°N, -95.260380°W. Center as described in 1996. 21 December 2022; 7:15 a.m. to 4:00 p.m.; 30°F to 45°F. Wind E-SE 2-7 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 0-25%. Eleven observers in 5 parties, plus 2 at feeders. Total party-hours 32 (13.35 on foot, 18.65 by car), plus 2 hours at feeders, and 1 hour owling. Total party-miles 170.27 (8.27 on foot, 162 by car), plus 3 miles owling. Total 92 species; 29,716 individuals.

Jackie Augustine, Andrew Augustine, Andrew Burnett (compiler—aburnett9180@gmail.com), Ella Burnett, Meleia Burnett, Jeff Cox, Andrew George, Royce Guhr, Ryan Lies, Ed Miller.

Pomona Reservoir. 38.695263°N, -95.612119°W. New Center, at intersection of South Croco Road and East 205th St. 30 December 2022; 7:45 a.m. to 3:30 p.m.; 27° F to 51°F. Wind S to N 5-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 22 (4 on foot, 18 by car), plus 1 hour at feeders, and 0.3 hours owling. Total party-miles 205 (9 on foot, 196 by car), plus 1 mile owling. Total 78 species; 12,550 individuals.

Cathy Bell, Samantha Bernhard, Steve Howard, James Malcom (compiler—iambirding@prodigy.net), Jennifer Malcom, Josh Nicholson, Katherine Schroeder, Lisa Thomas, Mike Thomas.

Quivira National Wildlife Refuge. 38.145925°N, -98.491804°W. Center as described in 1972. 14 December 2022; 8:00 a.m. to 5:30 p.m.; 27°F to 38°F. Wind W 10-25 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 26-50%. Fourteen observers in 8 parties. Total party-hours 37 (5 on foot, 32 by car). Total party-miles 324 (2 on foot, 322 by car). Total 64 species; 88,332 individuals.

Levi Beaver, Victoria Burnett, Lauren Govekar, Bob Gress, Rachel Laubhan, Patty Marlett, Elsi Miller, Quentin Parker, Alyssa Pike, Robert Penner, Mike Rader (compiler—mike_rader@hotmail.com), Bailey Rowland, Scott Seltman, Dennis Zehr.

Red Hills. 37.234191°N, -98.686843°W. Center as described in 1994. 30 December 2022; 8:00 a.m. to 5:30 p.m.; 26°F to 52°F. Wind N to S 3-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 31 (11 on foot, 20 by car), plus 2 hours owling. Total party-miles 206 (11 miles on foot, 195 by car), plus 32 miles owling. Total 79 species; 11,076 individuals.

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

St. Mary's. 39.194100°N, -96.071091°W. Center as described 2017. 1 January 2023; 7:00 a.m. to 5:30 p.m.; 29°F to 55°F. Wind Calm to NE 0-4 mph. Still water

completely frozen, moving water partly open; cloud cover a.m. 26-50%, p.m. 26-50%. Nine observers in 5 parties, plus 1 at feeders. Total party-hours 31.05 (2.75 by foot, 28.30 by car), plus 2.25 hours at feeders, and 1.25 hours owling. Total party-miles 250.25 (3.25 on foot, 247 by car), plus 18.25 miles owling. Total 63 species; 42,680 individuals.

Judy Billings, Randy Carman, Jennifer Jones, Brandon Magette, Debra McKee (compiler—grmasurf@gmail.com), Carol Morgan, Sue Newland, Mark Pheasant, Tom Schermerhorn, Janeen Walters.

Salina. 38.841702°N, -97.630868°W. Center as described in 1983. 17 December 2022; 7:45 a.m. to 5:15 p.m.; 18° to 38°F. Wind WNW to ESE 10-15 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 4 parties. Total party-hours 32.25 (9.75 on foot, 22.5 by car). Total party-miles 211.25 (8.25 on foot, 203 by car). Total 76 species; 7,366 individuals.\

Aaron Anders, Nicole Beck, Steve Cassel, Byron Grauerholz (compiler—blgrauerholz@yahoo.com), David Haight, Kevin Haight, Cheryl Higgins, Tom Jett, Dave Klema, Kaleb Kroeker, Bonnie Neubrand, Mark Neubrand, Shanon Rayl, Roger Schultz.

Sawyer. 37.529075°N, -98.702457°W. Center as described in 1990. 21 December 2022; 8:15 a.m. to 4:45 p.m.; 22°F to 32°F. Wind SE to SW 2 to 13 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast, fog, light snow, p.m. overcast, fog. Snow 0.25 inches. Fourteen observers in 4 parties. Total party-hours 18.25 (4 on foot, 14.25 by car). Total party-miles 158.75 (2.75 on foot, 156 by car). Total 75 species; 9,193 individuals.

Aaron Austin, Jeff Conley, Zackary Cordes, Madison Fell, Chelsea Hofmeier, Jordan Hofmeier (compiler—jordan.hofmeier@ks.gov), Diedre Kramer, Jane Queal, Mike Rader, Lyndzee Rhine, Lauren Sills, Deja Smith, Elizabeth Walker, Ryan Waters.

Scott Lake. 38.583882°N, -100.907423°W. Center as described in 1987. 7 January 2023; 7:45 a.m. to 5:30 p.m.; 19°F to 46°F. Wind NNW 10-3 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Nineteen observers in 10 parties, plus two at feeders. Total party-hours 54 (23 on foot, 31 by car), plus 5 hours at feeders, and 1.75 hours owling. Total party-miles 294.5 (21.5 on foot, 273 by car), plus 1.5 miles owling. Total 60 species; 10,226 individuals.

Henry Armknecht, Don Brau, Terri Brau, Coleen Brown, Christopher Frick, Gregg Friesen, Linda Hoffman, Christi McMillen, Stan McMillen, Kurt Meier, Quentin Nolan, Art Nonhof, Karen Nonhof, Mike Ramsey, Pamela Ramsey, Carolyn Schwab, Sara Shane (compiler—sjns4422@gmail.com), Tom Shane, Carla Trecek, Rod Wedel, Anthony Zukoff.

Sedan. 37.145072°N, -96.163494°W. Center as described in 2016. 19 December 2022; 8:00 a.m. to 3:30 p.m.; 42°F to 50°F. Wind SSW 5 to 10 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Nine observers in 3 parties. Total party-hours 24 (5.5 on foot, 18.5 by car). Total party miles 177.25 (2.25 on foot, 175 by car). Total 65 species; 3,611 individuals.

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

Slate Creek. 37.232244°N, -97.249507°W. Center as described 2014. 21 December 2022; 7:30 a.m. to 5:15 p.m.; 25°F to 37°F. Wind SE 0-12 mph. Still water partly open, moving water open; a.m. overcast, p.m. overcast. Five observers in 2 parties. Total party hours 18.25 (4.75 on foot, 13.5 by car), plus 0.5 hours owling. Total party miles 151 (4 on foot, 147 by car), plus 12 miles owling. Total 82 species; 26,747 individuals.

Kevin Groeneweg, 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 described in 1992. 1 January 2023; 8:00 a.m. to 5:15 p.m.; 45°F to 68°F. Wind SW to SE 3-13 mph. Still water open, moving water open; cloud cover a.m. 76-95%, foggy, p.m. 51-75%. Eleven observers in 4 parties. Total party-hours 26.25 (5.8 on foot, 20.45 by car). Total party-miles 94.8 (5 on foot, 89.8 by car). Total 70 species; 4,488 individuals.

Cindy Ford, Steven Ford Chad Gardner, Andrew George (compiler—adgeorge@pittstate.edu), Stephen Hight, Delia Lister, Ryan McGinty, Taylor Michael, Amanda Trout, Leann Trout, Don Weidemann.

Syracuse. 37.995091°N, -101.881766°W. Center as described in 1994. 5 January 2023; 9:00 a.m. to 4:00 p.m.; 24°F to 37°F. Wind NW to SE 5-15 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Six observers in 3 parties. Total party-hours 20.5 (3.5 on foot, 17 by car). Total party-miles 170 (3 on foot, 167 by car). Total species 47; 53,625 individuals.

Arthur Nonhof (compiler—artnonhof@sbcglobal.net), Karen Nonhof, Michael Ramsey, Pamela Ramsey, Sara Shane, Tom Shane.

Tallgrass Prairie National Preserve. 38.434226°N, -96.559501°W. Center as described in 2010. 7 January 2023; 8:20 a.m. to 2:00 p.m.; 33°F to 40°F. Wind NNE 12-11 mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. 76-95%. Five observers in 4 parties. Total party-hours 6 (4 on foot, 2 by car). Total party-miles 17 (4.5 on foot, 12.5 by car). Total 30 species; 422 individuals.

Denise Cameron (compiler—dcamero2@g.emporia.edu), Devin Catt, Owen Harbison, Kristen Hase, Michele Kessler.

Topeka. 39.048198°N, -95.678162°W. Center as described in 1972. 29 December 2022; 7:30 a.m. to 4:30 p.m.; 48°F to 63°F. Wind S to N 20-25 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Seventeen observers in 9 parties, plus 6 at feeders. Total party-hours 68 (14 on foot, 54 by car), plus 8 hours at feeders, and 1 hour owling. Total party-miles 421 (23 on foot, 398 by car), plus 0.5 miles owling. Total 78 species; 14,235 individuals.

Judy Billings, Diana Busey, Randy Carman, Glen Caspers, Chiquita Cornelius, Becky Drager, Kirk Drager, Kelly Haller, Robert Hoard, Jennifer Jones, Dan Larson, Dianne Lawson, Jim Malcolm, Sam Mannell, Terry Mannell, Debra McKee, Carol Morgan (compiler—crxmorgan@gmail.com), Pat Muckenthaler, Roberta

Muckenthaler, Sue Newland, Mark Pheasant, Vivien Smith, Jane Stewart, Janeen Walters.

Udall/Winfield. 37.264828°N, -96.973753°W. Center as described in 1972. 18 December 2022; 8:00 a.m. to 5:30 p.m.; 20° to 50°F. Wind S to SE 0-17 mph. Still water open, moving water partly open; cloud cover a.m. 0-25%, p.m. overcast. Nine observers in 5 parties. Total party-hours 42.5 (3.5 on foot 39 by car), plus 1 hour at feeders, and 3 hours owling. Total party-miles 424.6 (2.6 on foot, 422 by car), plus 39 miles owling. Total 93 species; 30,983 individuals.

Bette Anderson, Duane Anderson, Kevin Groeneweg, David Herrin, David Reed, Travis Ross, David Seibel, Max Thompson (compiler—maxt@cox.net), Eugene Young.

Waconda Reservoir. 39.465812°N, -98.376997°W. New center, at intersection of H Rd and 160th Rd. 28 December 2022; 7:30 a.m. to 4:15 p.m.; 31°F to 54°F. Wind SE to SW 0-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 26-50%, p.m. 26-50%. Nine observers in 4 parties. Total party-hours 14.75 (1.5 on foot, 13.25 by car). Total party-miles 153.5 (2.5 on foot, 151 by car). Total 53 species; 91,364 individuals.

Henry Armknecht (compiler—armknecht@ruraltel.net), Liam Burney, Oscar Burney, Alan Holdren, Greg Holdren, Henry Holdren, Jonas Letourneau, Sue Newland, Nicholas Niewald.

Wakefield. 39.220150°N, -96.966367°W. Center as described in 1993. 18 December 2022; 7:30 a.m. to 3:30 p.m.; 15°F to 41°F. Wind SE 0 to 15 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 26-50%. Seven observers in 4 parties, plus one at feeders. Total party-hours 22.5 (2 on foot, 20.5 by car), plus 3 hours at feeders. Total party-miles 182 (1.6 on foot, 180.4 by car). Total 67 species; 12,328 individuals.

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

Webster Reservoir. 39.423129°N, -99.407639°W. Center as described in 1992. 5 January 2023; 7:15 a.m. to 6:15 p.m.; 22°F to 48°F. Wind WNW to N 5-14 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Three observers in 3 parties. Total party-hours 19.5 (6.5 on foot, 13 by car), plus 1 hour owling. Total party-miles 205 (1 on foot, 204 by car), plus 8 miles. Total 68 species; 248,394 individuals.

Henry Armknecht, Mike Rader (compiler—mike_rader@hotmail.com), Eric Wiens.

Wichita. 37.691340°N, -97.349680°W. Center as described in 1955. 17 December 2022; 7:30 a.m. to 5:00 p.m.; 22°F to 42°F. Wind W to WNW 7-20 mph. Still water partly open, moving water open; cloud cover a.m. 0-25% p.m. 0-25%. Sixteen observers in 8 parties, plus 2 at feeders. Total party-hours 62.25 (30.75 on foot, 29.25 by car), plus 6.25 hours at feeders, plus 1.75 hours owling, and 2.25 hours by golf cart. Total party-miles 362.75 (29.75 on foot, 320.5 by car), plus 24 miles owling, and 12.5 miles by golf cart. Total 91 species; 27,850 individuals.

Jeremy Birket, Jennifer Bruey, Aileng Chan, Tom Ewert, Bob Gress, Kevin Groeneweg (compiler—kgroeneweg1616@gmail;.com), Pete Janzen, Michael Jungen, Doug Lamoureux, Roy Lyons, Jim Marlett, Patty Marlett, Gary Northwall, Dave Pettus, Dale Randall, Eddie Stegall, Madden Wilderum, Natalie Wilderum.

Wilson Reservoir. 38.944288°N, -98.571752°W. Center as described in 1994. 18 December 2022; 7:30 a.m. to 5:30 p.m.; 10°F to 46°F. Wind SE 5-20 mph. Still water partly open, moving water partly open. Cloud cover a.m. 0-25%, p.m. 26-50%. Nine observers in 4 parties. Total party-hours 21 (6.5 on foot, 14.5 by car). Total party-miles 190 (3 on foot, 187 by car). Total 83 species; 22,810 individuals.

Vanessa Bergman, Arlen Entz, David Klema, Becky Nickel, Jim Nickel, Ellen Rader, Mike Rader (compiler—mike_rader@hotmail.com), Roger Schultz, Logan Smith.

Yoder. 37.897589°N, -97.866716°W. Center as described in 2000. 19 December 2022; 8:00 a.m. to 12:00 p.m.; 41°F to 46°F. Wind SE to S 5-15 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 0-25%. Twelve observers in 5 parties. Total party-hours 18 (3 foot, 15 by car). Total party-miles 194.5 (2.5 on foot, 192 by car). Total 54 species; 20,585 individuals.

Allen Asmussen, Levi Beaver, Stephanie Carlson, Daniel Dyck, Linda Dyck, John Gallagher (compiler—jgallagher@hutchrec.com), Sarah Johnson, Steven Kinser, Sarah Parsons, Luke Schawe, Joe Wicks, Madi Wright.

Table 1. 2022-2023 KOS CBC.

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron Nat. Grass	Council Grove	El Dorado Lake	Emporia	Fort Riley	Garden City	Halstead /Newton
Snow Goose	60	20	65	1003	2	100	353		400		3130	600	1012	324
Ross's Goose	1	4			1			1	4		12	3		2
Greater White-fronted Goose	40	309	6	2	20	9	56				205			21
Cackling Goose	165	1829	254	15	195	40	472	92	6	38	470	81	80	1
Canada Goose	481	4360	3857	2144	3977	6160	753	40	2400	1633	2526	1173	193	2954
goose species														
Trumpeter Swan			4	4		14								
Wood Duck														
Blue-winged Teal			7									19		
Northern Shoveler	69	14	3			4			5	7	51	20		
Gadwall		42	165			57			24	61	107	3	2	
American Wigeon	4	3	11		CW	2				8	25			
Mallard	44	1060	559	12	263	400	20	1	340	589	556	125	21	187
American Black Duck														
Northern Pintail	1	13			1					29	2			5
Green-winged Teal	4	2	3		CW	5			12	53		34	4	34
Canvasback		2				15					30	1		
Redhead			4				CW		14	2		61		
Ring-necked Duck	20	57	63	4	4	24	1			18	51			
Greater Scaup														
Lesser Scaup		15		2			CW		76	11	13	1		
Black Scoter							1							
Long-tailed Duck														
Bufflehead		1	3		CW	2			98	7	4	21		
Common Goldeneye	10	17	21	13	4	75	18		231	275	36	39		
Hooded Merganser		31	95			8			43	100	35	20		
Common Merganser	2	1		1	4	6	12	CW	34	16		1	1	
Red-breasted Merganser									5					
Ruddy Duck	1		1			1				4				
duck species										42				
Northern Bobwhite			2		26		10	10	15	18	11	51		
Scaled Quail								23						
Wild Turkey		26	43	20	10		14		33	13	15	29		22
Greater Prairie-Chicken					23				4			15		
Ring-necked Pheasant			2	1	13		24	4				1	5	
Pied-billed Grebe			1			1			3					
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon	31	8	64	38	94	5	349	62	14	12	703	27	144	9
Eurasian Collared-Dove	5	43	6		43	4	36	1623		11	4		1885	51
White-winged Dove								17					261	
Mourning Dove	2	9	46	6	14	52	2	312	79	12	116	76	90	73
Greater Roadrunner														
Virginia Rail									2					
Sora														
American Coot						1				1				
Sandhill Crane							11							
Killdeer										1				
Wilson's Snipe			1											
Black-legged Kittiwake														
Bonaparte's Gull														
Ring-billed Gull	7	17	21		1	2	12		132	737	359	27		4
Herring Gull					4				6	50		5		
Lesser Black-backed Gull														
gull species												30		
Red-throated Loon														
Pacific Loon														
Common Loon														
Double-crested Cormorant			1							24				
American White Pelican	50													
Great Blue Heron	4	2	1			1	4		13	7	6	9	1	3
Great Egret														
Black-crowned Night-Heron														
Black Vulture		3												
Golden Eagle														
Northern Harrier	5	11	22	1	30		32	6	25	23	24	58	14	9
Sharp-shinned Hawk			3		1	1	1		1	1		2	1	
Cooper's Hawk			5	1	3		4	2	2	1		1	3	1
Accipiter species		1												
Bald Eagle		19	13	8	6	3	6		34	8	14	21		
Red-shouldered Hawk		6	24	2		3			5	6	5	6		
Red-tailed Hawk (including Krider's)	14	40	96	26	42	24	29	13	67	43	45	68	38	57
Red-tailed (Harlan's) Hawk		7	5			2			2	2		2		
Rough-legged Hawk			1	1	3		4	1	5	3	3	4		1
Ferruginous Hawk	1							5					7	
Buteo species												2	1	
Barn Owl														
Eastern Screech-Owl		1	3		1						1			1
Great Horned Owl		1	8		4	2	1	2	2	1	4	2	6	1
Barred Owl		1	8	1	3	1			1	1	8	2		1
Long-eared Owl														
Short-eared Owl			2		1					1	2			
Northern Saw-whet Owl														
Belted Kingfisher		5	7		1	2	1		2	3	3	10		1
Red-headed Woodpecker		3	58	8	8	44			2	2	9	29		
Red-bellied Woodpecker	1	42	82	35	34	25	15		56	39	30	49	4	30
Yellow-bellied Sapsucker			3		1	1		1	1	1				1
Downy Woodpecker	1	30	55	6	20	18	11	3	51	31	43	29	11	18
Hairy Woodpecker		12	18	2	8	1	3		5	10	1	13	5	3
Northern Flicker unidentified	1	16	66	13	36		13	3	4	24	38	58	5	23
N. Flicker Yellow-shafted		15	8		7	14	4	1	44	7		32		2
N. Flicker Red-shafted					3			3	5	2		17		

Table 1. 2022-2023 KOS CBC.

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron Nat. Grass	Council Grove	El Dorado Lake	Emporia	Fort Riley	Garden City	Halstead /Newton
Pileated Woodpecker		7	12	1		1			2	3	7	5		2
American Kestrel	6	33	43	10	36	7	12	20	6	8	12	3	6	23
Merlin	2	2	1		1			1	1	1	1			
Peregrine Falcon														
Prairie Falcon				1	4		2	2				1	3	
<i>Falco</i> species														
Eastern Phoebe														
Loggerhead Shrike	3	3	1		1		2	3	3	8				
Northern Shrike	1				1		1	1	1			1		1
Blue Jay	2	64	226	39	38	78	2	CW	89	22	30	87	38	12
Woodhouse's Scrub-Jay								1						
Black-billed Magpie								5					6	
American Crow	9	311	462	32	55	150	10		244	191	98	355		88
Chihuahuan Raven								1						
Common Raven								1						
Carolina Chickadee	5	74												
Black-capped Chickadee			150	11	23	33	5		83	58	40	168		98
Tufted Titmouse		30	101	4	2	28			34	16	20	27		13
Horned Lark	22	212	54	7	130		40	632	82		96	2	72	71
Ruby-crowned Kinglet		1	1						4					
Golden-crowned Kinglet		9	17	1		6	3			11	12	7	1	1
Cedar Waxwing	20	48	122		12	145	30	37	24	7		102	1	
Red-breasted Nuthatch	3	1	13	1	3	1	2	3		1		9	15	1
White-breasted Nuthatch		19	41	14	30	8	4		16	19	9	60	5	17
Brown Creeper		6	7		3				3	2	2	4	2	1
Rock Wren														
Bewick's Wren														
Carolina Wren		28	17	3	10	6	1		19	10	13	20		5
Winter Wren		2	7	1	2	1			2	3	3			2
Sedge Wren														
Marsh Wren								4						
Gray Catbird														
Curve-billed Thrasher								2						
Brown Thrasher					1									
Northern Mockingbird		3	13			2			3	1				2
European Starling	41	1385	3767	177	1005	230	3212	146	877	1792	266	1262	2453	363
Eastern Bluebird		18	70	25	8	13			15	3	8	52		17
Mountain Bluebird					14								15	
Townsend's Solitaire					CW			3						
Hermit Thrush						2								
American Robin		68	222	77	197	48	246	39	236	186	30	721	160	151
House Sparrow	21	54	238	42	542	110	159	789	56	22	57	38	947	94
American Pipit														
House Finch	8	4	77	1	84	14	23	35	53	7	6	17	222	28
Purple Finch			12			CW								
Red Crossbill														
Pine Siskin								4				2		
Lesser Goldfinch														
American Goldfinch	9	28	74	14	141	25	41	16	60	48	21	50	7	33
Lapland Longspur		109	4		47		60	478	12		131		109	200
Chestnut-collared Longspur								2						
Smith's Longspur											14			
Thick-billed Longspur								4						
longspur species								1560						
Lark Bunting								3						
Chipping Sparrow			1							1		2		
Field Sparrow		2									2	15	3	
Fox Sparrow		10	4	1	1	2	2	1	1	6	3			1
American Tree Sparrow	35	11	400	222	604	32	624	316	788	313	323	347	95	101
Unidentified Junco	8	2	862	200	185		159	4			165	127	457	
Slate-colored Junco		186	73		65	220	16	142	311	323		299	18	150
Oregon Junco			2		1		3	8	3		1		2	
Pink-sided Junco								1				2		
White-crowned Sparrow		8	61	5	12	1	7	265	41	6	33	2	505	17
Harris's Sparrow	45	142	213	34	221	20	211	5	111	115	155	10	3	156
White-throated Sparrow		5	19			37			12		2	3		3
Vesper Sparrow														1
LeConte's Sparrow														
Savannah Sparrow	1													
Song Sparrow	1	31	42	14	5	18	15	48	12	12	20	19	19	8
Lincoln's Sparrow		2							2			1		
Swamp Sparrow			7	3		1		1	2					
Rufous-crowned Sparrow														
Green-tailed Towhee														
Spotted Towhee		2			1		1	3	5	2	2		2	1
Eastern Towhee												1		
Yellow-headed Blackbird														
Eastern Meadowlark		6	53	3	1	2			34					2
Western Meadowlark	1	4	148		82	4	5	200	21		10		151	8
<i>Sturnella</i> species	270	420	234	61	742	80	185		144	39	128	36		537
Red-winged Blackbird	2011	14019	2412		7878	70	232	1732	433	450	985	665	1304	2496
Brown-headed Cowbird	1	11202	253		202	2	3	4	12	3		4		20
Rusty Blackbird		1	12		100							3		1
Brewer's Blackbird	29	200	2		2900				18			24		6
Common Grackle	10	3	1		3			3						3
Great-tailed Grackle										560			180	
blackbird species		11200									200	300		2600
Common Yellowthroat														
Pine Warbler														
Yellow-Rumped Warbler		1	21			9		1	7		9	4		5
Northern Cardinal	8	127	235		69	67	14		103	131	63	93	9	135
TOTAL INDIVIDUALS	3596	48201	16603	4373	20373	8602	7606	8753	8290	8366	11676	7827	10604	11313
TOTAL SPECIES	51	83	90	53	76	71	61	58	82	78	72	79	51	67

Table 1. 2022-2023 KOS CBC.

Species	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir	Olathe
Snow Goose		17	36753	4190	10	30900	19	230	525	150	44578	2146	186	1
Ross's Goose		1	10	5		8	3	1	47	8	5	1		
Greater White-fronted Goose	8	11	2	4	38	1		2	370	2	18	158	22	
Cackling Goose	24	42	89	22		50	10	10	11	30	230	598	131	53
Canada Goose	217	4582	26650	7823	50	750	2445	724	653	360	2463	3865	5688	2009
goose species														
Trumpeter Swan		8				6	2	60					2	
Wood Duck			2				2							1
Blue-winged Teal														
Northern Shoveler			3	2			75		400		32		5	8
Gadwall			75	5	10		311		382		83	2	12	200
American Wigeon			11		3	10	28		4		7			CW
Mallard		270	8775	1295	379	11800	1670	100	12940	550	1507	396	566	189
American Black Duck							2							
Northern Pintail			10		1	15	2		362	1	1			
Green-winged Teal			4	2	29	6	5		708		76	2	11	2
Canvasback		1									3			
Redhead					6		6		9		13		23	3
Ring-necked Duck	2		29	19	8	7	70		89	2	7	16	3	33
Greater Scaup			20						CW					2
Lesser Scaup			2	6					104		2	2	122	8
Black Scoter														
Long-tailed Duck			3											
Bufflehead			11	18	7	2	18		5		12		98	2
Common Goldeneye	42		25	180	286	285	127		14	38	126	37	466	13
Hooded Merganser			613	27	4		112		15		165	2	60	16
Common Merganser		20	80	8100	10	33	5		1	215	376	3	122	
Red-breasted Merganser									CW				23	
Ruddy Duck			12		1				4				56	3
duck species									350					
Northern Bobwhite	2		26								32		48	
Scaled Quail														
Wild Turkey	4	168	71	65	6	102	38	3	12	1	15		112	10
Greater Prairie-Chicken											2			
Ring-necked Pheasant	17			CW	1	19					1	8		
Pied-billed Grebe			1										6	2
Horned Grebe									32				2	
Eared Grebe									CW					
Western Grebe					1				2					
Rock Pigeon	540	16	6	38	40	2	157	16	94	2	53	56	45	26
Eurasian Collared-Dove	45	4	3	3	42	56	12	1		5	11	12	13	
White-winged Dove														
Mourning Dove	75	3	51	38	65	2	69	6	42	6	111	39	121	76
Greater Roadrunner														
Virginia Rail					1									
Sora														
American Coot			4				3		44			2	50	
Sandhill Crane														
Killdeer														
Wilson's Snipe														
Black-legged Kittiwake			1											
Bonaparte's Gull			30				53		82		2		5	
Ring-billed Gull			2180	12	467		16000		63	1	766	13	344	467
Herring Gull			26	1	42		8			1	21	2	4	
Lesser Black-backed Gull													1	
gull species			200											
Red-throated Loon			1											
Pacific Loon														
Common Loon			6						8					
Double-crested Cormorant			1030		8		1		7		7		6	
American White Pelican			552		12		18		1		20	18	45	
Great Blue Heron			3	8	5		16		11	1	19		39	5
Great Egret														
Black-crowned Night-Heron														
Black Vulture														
Golden Eagle				1										
Northern Harrier	6	2	64	9	9	35	25	1	93	2	29	23	42	11
Sharp-shinned Hawk		1	1	2			5				4	2		2
Cooper's Hawk	7		4	3		2	6				12	1	1	7
Accipiter species														
Bald Eagle	1	6	48	54	7	150	53	11	19	131	81	48	22	15
Red-shouldered Hawk		6	6	1			20	1	24		6		3	15
Red-tailed Hawk (including Krider's)	38	18	60	41	26	10	97	29	149	18	74	37	109	38
Red-tailed (Harlan's) Hawk	2		2	2		1		2	9		7	1		
Rough-legged Hawk	1	1	4	4		3	1			3	4		4	
Ferruginous Hawk														
Buteo species			1	1							2			
Barn Owl														
Eastern Screech-Owl					1	4	2		1					
Great Horned Owl	2	1	1	1	1	4	4		2	4	1	3	3	2
Barred Owl		2	2	1			5		12	3	2	4	2	2
Long-eared Owl		1												
Short-eared Owl	1		9			9	1		3				6	
Northern Saw-whet Owl							1		1					
Belted Kingfisher	1	3		1	1		1	1	2		4	1	3	5
Red-headed Woodpecker		20	2	9			55	5	71		47		2	26
Red-bellied Woodpecker	8	22	14	20	31	5	106	30	67	9	90	17	39	76
Yellow-bellied Sapsucker			2				5		1		10		2	6
Downy Woodpecker	5	14	16	16	16	1	92	16	33	6	52	10	43	63
Hairy Woodpecker	2	3	4	1	5	5	11	4	14	1	17	3	8	14
Northern Flicker unidentified	17	44	21	8	26	3	21	8	50	9	50	9	12	36
N. Flicker Yellow-shafted	4		4	10	12		95	6			53	2	33	28
N. Flicker Red-shafted	3		1		1	6					7	1		

Table 1. 2022-2023 KOS CBC. Species	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir	Olathe
Pileated Woodpecker			5				7	1	12	1	5	1	2	7
American Kestrel	8	7	11	8	11	6	12	4	28	3	14	18	11	7
Merlin				1	1	1	1		1		1			1
Peregrine Falcon									CW					
Prairie Falcon	2		1	1	1								1	1
<i>Falco</i> species												1		
Eastern Phoebe														
Loggerhead Shrike	1	2	4						6			3	3	
Northern Shrike	1								1	1				
Blue Jay	5	102	37	38	21	1	250	38	147	5	209	11	108	218
Woodhouse's Scrub-Jay														
Black-billed Magpie	4					6								
American Crow	3	137	165	280	29	7	438	131	308	618	8685	137	221	188
Chihuahuan Raven														
Common Raven														
Carolina Chickadee														
Black-capped Chickadee	10	68	136	23	34	3	261	30	61	7	131	29	62	186
Tufted Titmouse		21	24	17	3		134	13	108		60	10	12	80
Horned Lark	456		51	7	22	51	69	317	31	2	13	154	55	11
Ruby-crowned Kinglet			1				6		3		2		15	3
Golden-crowned Kinglet			1		7	1	13		4		6		2	20
Cedar Waxwing	8			32	48		181	42	18	11	667	5	83	408
Red-breasted Nuthatch	12					1	11	1	1	3	11	2	2	3
White-breasted Nuthatch	6	12	11	9	12	11	61	10	34	12	49	5	16	46
Brown Creeper			2		2		10	1	1	1	5	4	5	7
Rock Wren														
Bewick's Wren														
Carolina Wren	1	5	3	2	22		49	6	16		34	10	13	31
Winter Wren		1	2		1		3		3		2	1	3	5
Sedge Wren														
Marsh Wren					1		1							
Gray Catbird														
Curve-billed Thrasher														
Brown Thrasher			1				1							
Northern Mockingbird		3		1	2		4	1	5	1		2	6	1
European Starling	1439	207	372	2335	704	14	2990	367	793	165	1451	1592	444	121
Eastern Bluebird	6	11	2	27	36	10	131	22	34	4	133		32	107
Mountain Bluebird					15					3				
Townsend's Solitaire	1													
Hermit Thrush				1			4				1			
American Robin	68	158	4	652	80	22	1490	170	27	450	1249	85	431	940
House Sparrow	634	23	40	50	48	43	257	87	65	15	265	118	43	60
American Pipit				4										
House Finch	112	11	37	9	16	1	113	9	8	8	101	78	42	92
Purple Finch							7	2			5	2		4
Red Crossbill							CW							
Pine Siskin							1				3			
Lesser Goldfinch											2			
American Goldfinch	6	36	22	12	12	2	232	6	30	12	136	47	15	118
Lapland Longspur	4470		15		32						1	4742	14	
Chestnut-collared Longspur														
Smith's Longspur											1		4	
Thick-billed Longspur														
longspur species											2			
Lark Bunting														
Chipping Sparrow														
Field Sparrow			1	1			9		2		1			1
Fox Sparrow			1	2			18	2	14		5	4	3	3
American Tree Sparrow	210	253	474	290	154	168	352	239	101	164	670	284	944	125
Unidentified Junco	118	189	445		37	50					296	93		517
Slate-colored Junco	208		75	688	114	42	1384	449	503	175	619	6	259	192
Oregon Junco	2				1		1		1		2			2
Pink-sided Junco														
White-crowned Sparrow		2	15	41	7	19	25	11	62	15	33	16	34	27
Harris's Sparrow	19	142	205	149	136	41	172	104	35	9	288	363	195	19
White-throated Sparrow		4	15	11		1	144	14	39		13		12	47
Vesper Sparrow														
LeConte's Sparrow														
Savannah Sparrow			2				1		1				3	
Song Sparrow		20	13	8	11	8	152	26	61	7	51	14	38	83
Lincoln's Sparrow							2				3		1	2
Swamp Sparrow					2		8		15				3	5
Rufous-crowned Sparrow														
Green-tailed Towhee														
Spotted Towhee				1	2		3				3	2	6	3
Eastern Towhee														
Yellow-headed Blackbird														
Eastern Meadowlark	5		81				34	2	1		42	73	11	4
Western Meadowlark	218		20		36	115	73	10	67	32	102		7	
<i>Sturnella</i> species	576	72	91	279	101		50	38	82	5	253	326	103	
Red-winged Blackbird	2817	249	660	1350	143	586	375	740	35336	10	267	3312	655	111
Brown-headed Cowbird	24	3	3	100	52				7		33	128		2
Rusty Blackbird		6	25				1	5	70			63		
Brewer's Blackbird	140			24	382				15			156	12	
Common Grackle	36		2	1	20		50	1	1889			1		
Great-tailed Grackle									2					
blackbird species			570		2500				25250		20	642		
Common Yellowthroat														
Pine Warbler	CW													
Yellow-Rumped Warbler				1			35	5	31		38		15	25
Northern Cardinal	8	60	75	71	113	6	349	109	123	10	299	69	99	249
TOTAL INDIVIDUALS	12664	7135	81356	28574	6639	45508	31868	4280	83394	3308	67598	20149	12816	7557
TOTAL SPECIES	52	57	92	74	74	56	96	55	92	54	92	69	92	78

Table 1. 2022-2023 KOS CBC. Species	Olsburg	Oskaloosa Perry Lake	Parsons	Pomonna	Quivira NWR	Red Hills	St. Marys	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Syracuse
Snow Goose	252		3000	175	3665	121	36667	5	131	1		14	1	45090
Ross's Goose			150		1				1			1		5
Greater White-fronted Goose	50	10	143			24	4	50	6	4		1553		
Cackling Goose		70		800	6	151	8	175	12	376	1	1451	16	2000
Canada Goose	130	3832	321	3000	71	878	823	1356	179	997	184	3260	514	2080
goose species												4150		
Trumpeter Swan			110				81	2					1	
Wood Duck									1			1		
Blue-winged Teal														
Northern Shoveler		20	1375	6				12	1		6	9		
Gadwall		10	63	60		8	2	66	9		15	10		
American Wigeon					1	2	1	33	8			2		7
Mallard	580	2808	18895	811	1475	223	575	100	15	260	105	509	101	15
American Black Duck														
Northern Pintail			202		1									
Green-winged Teal		5	7	6	1	24		2	5				2	
Canvasback			2					6	2			1		
Redhead	46			21						1	4			
Ring-necked Duck		250	8	30		36	4	7			51	38		
Greater Scaup														
Lesser Scaup			11	38							2	4		
Black Scoter														
Long-tailed Duck			CW											
Bufflehead		152	14	63			5				9	1		3
Common Goldeneye	16	780	28	297			109	1	1		4	13		2
Hooded Merganser		50	87	40			5	6	CW		13			
Common Merganser	49		5	176			236		1	9		9		4
Red-breasted Merganser			1											
Ruddy Duck		704	45											
duck species						15						6000	6	
Northern Bobwhite	11			12	24	36	2	9					16	18
Scaled Quail														
Wild Turkey	23	43	20	60	29	132	27	17	20	189	32		28	
Greater Prairie-Chicken														
Ring-necked Pheasant	CW				14				4	12				
Pied-billed Grebe			5						CW		7			
Horned Grebe														
Eared Grebe														
Western Grebe														
Rock Pigeon	12	11	32	198	1	5	117	110		247			5	104
Eurasian Collared-Dove	2	2	7	12	11	16	5	33	13	1383	6	11	12	205
White-winged Dove									1	1				
Mourning Dove	7	28	295	82	9	72	51	110	119	25	19	87	95	4
Greater Roadrunner						1								
Virginia Rail										3				
Sora														
American Coot		7	5					1	6					
Sandhill Crane					4800	116								
Killdeer		2	13		1							3	1	
Wilson's Snipe			1							1				
Black-legged Kittiwake														
Bonaparte's Gull		1	10									3		
Ring-billed Gull	210	1789	92	432	12		214	700	CW		1	33	3	
Herring Gull		13		3				1						
Lesser Black-backed Gull														
gull species											1			
Red-throated Loon														
Pacific Loon														
Common Loon														
Double-crested Cormorant		2	9									1		
American White Pelican		22	26											
Great Blue Heron	CW	8	13	32	1	1		3	3	1		4	4	
Great Egret														
Black-crowned Night-Heron														
Black Vulture													1	
Golden Eagle										1				1
Northern Harrier	30	8	13	15	68	6	16	12	4	4	10	26	18	17
Sharp-shinned Hawk	CW	1	2	1	3			1		3			1	1
Cooper's Hawk	2			4	5	1	1	1		5		1		
Accipiter species														
Bald Eagle	8	41	18	42	19	1	40	9	3		23	5	12	
Red-shouldered Hawk	4	29	10	9		1	2				3	1	9	
Red-tailed Hawk (including Krider's)	66	63	41	56	52	41	48	34	7	12	39	43	41	13
Red-tailed (Harlan's) Hawk	3		2		1			1			2	6	1	
Rough-legged Hawk	6		1	4	5	1		1		5	2	1	1	5
Ferruginous Hawk					1	1								12
Buteo species														
Barn Owl					1									
Eastern Screech-Owl						1	1			1		1		
Great Horned Owl	2		1	2	3	7		1		2		5	2	3
Barred Owl	2	10	5	2	1	3	3	2	CW		2	7	2	
Long-eared Owl														
Short-eared Owl							2				2	1	1	
Northern Saw-whet Owl														
Belted Kingfisher	2	2	1	1	1	2	1	3	2	2	1	1	2	
Red-headed Woodpecker		95	33	9			13	2	1		4		4	
Red-bellied Woodpecker	30	45	60	41	10	23	43	27	19	3	20	28	47	1
Yellow-bellied Sapsucker	1	4	1	1				6	4		4	3	1	
Downy Woodpecker	6	47	26	45	9	10	23	26	16	15	18	23	25	1
Hairy Woodpecker	CW	4	6	3	2	14	6	2	2	7	5	7	6	
Northern Flicker unidentified	22	63	36	19	52	27	42	15	9	28	11	19	34	11
N. Flicker Yellow-shafted	3		5	22	16	12		3	6	8	7	9	1	
N. Flicker Red-shafted				1	7			1	4	9				

Table 1. 2022-2023 KOS CBC.

Species	Olsburg	Oskaloosa Perry Lake	Parsons	Pomonna	Quivira NWR	Red Hills	St. Marys	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Syracuse
Pileated Woodpecker		7	9	2		2	9		2		5	4	2	
American Kestrel	2	15	17	4	21	10	19	15	4	8	13	19	20	10
Merlin	1					1		1	3	2	1	2		1
Peregrine Falcon			1											1
Prairie Falcon	CW				1	1			1	3	1	1		
<i>Falco</i> species														
Eastern Phoebe														
Loggerhead Shrike			8	1	1			1			7	3	3	2
Northern Shrike					1				1					
Blue Jay	63	218	85	143		14	57	14		13	25	27	123	8
Woodhouse's Scrub-Jay														
Black-billed Magpie														7
American Crow	55693	329	235	655	33	122	90	73	105		125	55	216	45
Chihuahuan Raven														8
Common Raven														
Carolina Chickadee			74			35			7		40	49	84	
Black-capped Chickadee	15	118		126	1		78	60	5					
Tufted Titmouse	6	48	55	42	1	11	23	11	1		55	27	25	
Horned Lark	69		15	60		72	14	397	469	520	3	22	22	808
Ruby-crowned Kinglet			1					1	10			3	2	
Golden-crowned Kinglet	CW	2	2	12				3	10			11	10	
Cedar Waxwing	59	251	4	62		192	12	CW	16	48	49	17	28	8
Red-breasted Nuthatch		2	1	3		1		3		6		6		
White-breasted Nuthatch	6	36	19	17	4	6	15	17	6	14	20	8	13	1
Brown Creeper		2	2	9				3	6			1	4	
Rock Wren						1				2				
Bewick's Wren						1								
Carolina Wren	5	9	14	28	1	29	13	8	6		13	11	13	
Winter Wren				1		4		2	2		5	1		
Sedge Wren			1											
Marsh Wren						6				2				
Gray Catbird									1					
Curve-billed Thrasher														2
Brown Thrasher														
Northern Mockingbird	3	9	11	6	1	2	1	1	1		4	2	6	
European Starling	887	523	443	1062	430	89	269	1360	315	2837	103	995	226	656
Eastern Bluebird	11	53	23	16		14	14	10	25	32	6	13	23	4
Mountain Bluebird						59								
Townsend's Solitaire						1				56				
Hermit Thrush		1											2	
American Robin	1083	459	194	291	124	940	573	71	300	274	10	145	43	276
House Sparrow	97	181	21	157	69	50	92	114	33	620	28	41	56	29
American Pipit														
House Finch	7	28	1	67		37	7	49	76	207	9	15	8	7
Purple Finch		5	7				1				3			
Red Crossbill				3										
Pine Siskin											4			
Lesser Goldfinch														
American Goldfinch	146	59	119	52	6	28	22	29	12	2	26	16	98	
Lapland Longspur	125		60	11	95	8		1	2858	1434		6	100	1556
Chestnut-collared Longspur									1					
Smith's Longspur														
Thick-billed Longspur														
longspur species														
Lark Bunting														
Chipping Sparrow											1			
Field Sparrow		8				3		1	1		5		5	
Fox Sparrow		1	2	1	4	3			7		1	8	4	
American Tree Sparrow	335	461	36	321	615	115	268	240	292	109	7	446	24	46
Unidentified Junco			332		35				260	80		90	231	6
Slate-colored Junco	233	1080		473	389	258	249	270	92	22	210	160	16	
Oregon Junco	1				4					5		1		
Pink-sided Junco						1				1		1		
White-crowned Sparrow	17	7	100	32	15	8		26	54	47	6	40	51	9
Harris's Sparrow	99	93	96	176	75	132	122	278	366	1	147	535	112	
White-throated Sparrow	1	15	68	16		1	8	2	6		2	11	69	
Vesper Sparrow														
LeConte's Sparrow						1								
Savannah Sparrow			1		1	1			4			3	7	
Song Sparrow	31	26	11	26	10	60	21	21	6	14	16	51	28	5
Lincoln's Sparrow	4	1	2		1	1		1						
Swamp Sparrow			25	4									7	7
Rufous-crowned Sparrow						1								
Green-tailed Towhee														
Spotted Towhee		4		2		5	2		1	11		4		
Eastern Towhee														
Yellow-headed Blackbird														
Eastern Meadowlark		28	40	31	19	9	67		1		1	4	122	
Western Meadowlark		50	1	40	80	19	5	132	1	46		1	17	38
<i>Sturnella</i> species	62	117	213	102	396	456	149	223	1066		64	201	105	
Red-winged Blackbird	712	78	858	1612	45000	681	1197	630	606	140	31	3941	861	
Brown-headed Cowbird		3	3	42	172	135		6	3	1		27		
Rusty Blackbird			3				25		160					
Brewer's Blackbird	78		25	10	302	5373		116	1300		1900	200		400
Common Grackle					1			100					29	
Great-tailed Grackle										25				
blackbird species			980		30000							2000	500	90
Common Yellowthroat			1										2	
Pine Warbler														
Yellow-Rumped Warbler	CW	11	3	9	1	8	2	2				1	7	
Northern Cardinal	68	171	238	192	44	57	79	122	76	24	56	157	154	
TOTAL INDIVIDUALS	61494	15540	29716	12550	88332	11076	42680	7366	9193	10226	3611	26747	4488	53625
TOTAL SPECIES	56	74	92	78	64	79	63	76	75	60	65	82	70	47

Table 1. 2022-2023 KOS CBC. Species	Tallgrass Nat. Pre.	Topeka	Udall /Winfield	Waconda Reservoir	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Snow Goose		162	18	80000	95	168000	15	257		464443
Ross's Goose			1	20		1700	3	1		2000
Greater White-fronted Goose			1815	2	11	8	98	1		5083
Cackling Goose		108	5854	5	1	300	9300	31		25703
Canada Goose goose species		6579	3231 600	370	2956	1250	6887	850	357	131035 4750
Trumpeter Swan		24		8	1					327
Wood Duck							35			42
Blue-winged Teal						2			5	33
Northern Shoveler	8	6	CW				248		1	2390
Gadwall		18	109				285	42		2238
American Wigeon			324			5	41	110		650
Mallard		701	9936	500	835	5900	890	5975	3	95826
American Black Duck										2
Northern Pintail				3		2	10	3		664
Green-winged Teal			13			1	22	17		1101
Canvasback		2	3				303			371
Redhead		6	2				34			255
Ring-necked Duck		2	4				258	46		1261
Greater Scaup							4			26
Lesser Scaup		40	25				250	105		839
Black Scoter										1
Long-tailed Duck										3
Bufflehead		6	81		7	1	135	32		818
Common Goldeneye	173	249	580	90	206	383	303	5800		11413
Hooded Merganser		31	67			3	365	395		2408
Common Merganser	4	120		120	59	57	CW	110		10002
Red-breasted Merganser						1	1			31
Ruddy Duck duck species		3					137	3		975 6439
Northern Bobwhite			10		10	2			15	416
Scaled Quail										23
Wild Turkey		8	75	8	14		55			1612
Greater Prairie-Chicken										44
Ring-necked Pheasant				9		3		2	1	141
Pied-billed Grebe		1	1		2		5			67
Horned Grebe										2
Eared Grebe								1		1
Western Grebe										3
Rock Pigeon	7	364	92	23	1	47	297	10	30	4364
Eurasian Collared-Dove		14	38	13		37	12	450	28	6228
White-winged Dove			1				15		1	297
Mourning Dove		158	124	27	4	1	47	15	9	2981
Greater Roadrunner										1
Virginia Rail								1		7
Sora								1		1
American Coot		15	24				60	8		231
Sandhill Crane									8	4935
Killdeer							1		2	24
Wilson's Snipe							6	3		12
Black-legged Kittiwake										1
Bonaparte's Gull			1					6		193
Ring-billed Gull	1	61	120	1	251		1176	625	55	27408
Herring Gull		1	6	CW	4		10	52	1	261
Lesser Black-backed Gull gull species			2						40	1 273
Red-throated Loon										1
Pacific Loon								CW		CW
Common Loon			1					CW		15
Double-crested Cormorant			1				289	2		1388
American White Pelican									80	844
Great Blue Heron	1	1	17	2	1	2	40	1		293
Great Egret							1			1
Black-crowned Night-Heron							8			8
Black Vulture										4
Golden Eagle						1			1	5
Northern Harrier	5	7	20	51	21	30	3	24	7	1026
Sharp-shinned Hawk		4	2	1	1	1	2	1	3	56
Cooper's Hawk <i>Accipiter</i> species		4	2		2	1	7	3		105 1
Bald Eagle	1	17	15	68	8	100	9	5	3	1225
Red-shouldered Hawk		13	2				7			229
Red-tailed Hawk (including Krider's)	4	43	81	58	63	34	32	45	41	2303
Red-tailed (Harlan's) Hawk			6		1					71
Rough-legged Hawk				2	10	2		2		99
Ferruginous Hawk <i>Buteo</i> species	7		CW			2	2		1	30 19
Barn Owl										1
Eastern Screech-Owl		1	2			3	2	2		29
Great Horned Owl			6	1		2	5	5	1	111
Barred Owl	2	3	9		1		4			120
Long-eared Owl										1
Short-eared Owl				1						42
Northern Saw-whet Owl						1				3
Belted Kingfisher	1	2	4		1	1	8	4	2	102
Red-headed Woodpecker	9	43	7	2	4					624
Red-bellied Woodpecker	13	66	46	6	27	8	33	7	10	1589
Yellow-bellied Sapsucker		3	2		1			2		68
Downy Woodpecker	6	57	24	6	19	13	41	7	6	1179
Hairy Woodpecker		7	5		6	5	7	3	3	273
Northern Flicker unidentified	1	59	20	9	15	12	23	18	15	1174
N. Flicker Yellow-shafted	1		15		12	1	7	4	3	516
N. Flicker Red-shafted			1		1	2	2	2		79

Table 1. 2022-2023 KOS CBC.	Tallgrass	Topeka	Udall	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	TOTALS
Species	Nat. Pre.		/Winfield	Reservoir		Reservoir		Lake		
Pileated Woodpecker		3	12							138
American Kestrel		10	19	9	1	11	4	39	12	655
Merlin		CW	1	4	3	2		1		40
Peregrine Falcon		1								3
Prairie Falcon			2	1		4		3	1	39
<i>Falco</i> species										1
Eastern Phoebe			1							1
Loggerhead Shrike			14	2				4	1	90
Northern Shrike								2		14
Blue Jay	2	202	67	3	43		124	2	8	3158
Woodhouse's Scrub-Jay										1
Black-billed Magpie										28
American Crow	40	216	345	14	119	17	1162	7	35	73083
Chihuahuan Raven										1
Common Raven										9
Carolina Chickadee			66							434
Black-capped Chickadee	8	167	9	8	18	5	147	8	11	2494
Tufted Titmouse	3	94	38		31		34		15	1277
Horned Lark		44	75	85	18	12		37	360	5761
Ruby-crowned Kinglet			1				4			58
Golden-crowned Kinglet			8				10	4		198
Cedar Waxwing			72		157		108	24		3212
Red-breasted Nuthatch			8		2	1	16	1	1	155
White-breasted Nuthatch	3	27	18	7	6	3	19	3		804
Brown Creeper			9	2			12			118
Rock Wren										3
Bewick's Wren			1				1			3
Carolina Wren	3	22	17		14		30	5	1	566
Winter Wren	1	5	5		1	1	8			80
Sedge Wren										1
Marsh Wren					1			1		16
Gray Catbird										1
Curve-billed Thrasher										4
Brown Thrasher		CW						1		4
Northern Mockingbird		2	11		5				2	117
European Starling	14	945	1005	191	3030	525	2513	2800	1420	52608
Eastern Bluebird	2	53	43	1	14	5	2			1148
Mountain Bluebird						6		185		282
Townsend's Solitaire								CW		76
Hermit Thrush		4					2			17
American Robin		1546	369	6	985	108	221	425	32	16682
House Sparrow		179	92	16	42	46	268	75	142	7365
American Pipit							3			7
House Finch		169	34		13	42	137	52	5	2186
Purple Finch		5	1							54
Red Crossbill										3
Pine Siskin							CW			14
Lesser Goldfinch										2
American Goldfinch	2	52	59	10	76	45	52	30	4	2198
Lapland Longspur		12	6	332		25				17053
Chestnut-collared Longspur										3
Smith's Longspur										19
Thick-billed Longspur										4
longspur species										1562
Lark Bunting										3
Chipping Sparrow										5
Field Sparrow			4				1	4	24	96
Fox Sparrow		CW	1			3	10	1		129
American Tree Sparrow	43	91	164	344	498	95	51	250	219	13709
Unidentified Junco	35	537	116				383	175		6194
Slate-colored Junco	8		228	62	459	136	168	80	126	11236
Oregon Junco			3			3	CW	2		48
Pink-sided Junco										6
White-crowned Sparrow		3	3	107	119	9	3	49	4	1979
Harris's Sparrow	3	91	372	157	278	7	136	40	160	6794
White-throated Sparrow		51	5				39			675
Vesper Sparrow										1
LeConte's Sparrow										1
Savannah Sparrow							1			26
Song Sparrow	9	21	22	8	31	8	43	10		1234
Lincoln's Sparrow					1		1			25
Swamp Sparrow		1	1			1				93
Rufous-crowned Sparrow										1
Green-tailed Towhee							1			1
Spotted Towhee		1		1	3	2	10	2		87
Eastern Towhee										1
Yellow-headed Blackbird					1					1
Eastern Meadowlark			8	2	2		4			692
Western Meadowlark			54	11	17	350		29		2205
<i>Sturnella</i> species		228	801	244	162	9		350	244	10044
Red-winged Blackbird		144	1433	8320	1223	68900	89	800	16950	235504
Brown-headed Cowbird			102		63			75	8	12698
Rusty Blackbird		2					3			480
Brewer's Blackbird			1233		5	16		600	1	15467
Common Grackle			2		2	45		2	4	2208
Great-tailed Grackle							17	1500		2284
blackbird species			400		150					77402
Common Yellowthroat										3
Pine Warbler										CW
Yellow-rumped Warbler		9	5		5	1	11	1		283
Northern Cardinal	2	196	202	13	79	27	162	16	60	4889
TOTAL INDIVIDUALS	422	14235	30983	91364	12328	248394	27850	22810	20585	1434644
TOTAL SPECIES	30	78	93	53	67	68	91	83	54	167