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### **THE KANSAS WINTER BIRD COUNT FOR 2020-2021**

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This year's Kansas Christmas Bird Count (CBC) will go down as a rather unique count, in part attributed to the cancellation of a couple long-term counts due to COVID-19, but also a result of quite an array of species. As usual, the count period ran from 12 December 2020 through 12 January 2021. A total of 49 counts were conducted this year, down five from last year, slightly below the average of 51 since 2000, and above the average of 35 since the inception of KOS reporting CBC's. The average low temperature for all counts was 25.9°F (-3.4°C) and average high was 45.4°F (7.4°C) with a range of 7°F (-13.9°C, Benedictine Bottoms) to 62°F (16.7°C, Parsons). Only two counts (4%) did not reach the freezing mark; and eight counts (16.3%) never dipped below freezing.

The 535 observers (average 11/count, range 1 to 42), is down from 579 last year, and slightly below the 564 average since 2000. The 313 parties (average 6.4/count, range 1-22) is up from last year's 261 parties. State coverage was good with most physiographic provinces represented. Manhattan had the most participants with 42, followed by Lawrence and Topeka each with 29; and Oskaloosa/Perry with 21. Participants volunteered 1,816.6 party-hours (average 37.1/count), up from last year year's total of 1,792.1 (average 33.2/count). Observers compiled 12,297.6 party-miles (average 251/count), an increase from last year's 11,346.8 party miles (average 210.1/count). After dropping for three consecutive years, feeder watchers increased to 95 (50, 49, 48 previous three years), which also resulted in an increase in feeder observation hours to 186, up from 93.75 last year. Owling hours and miles were down from last year to 42.75 (47.15 previous year), and 258.3 (310.98) respectively.

Considering the lower number of counts this year, the 178 species recorded this year is the third highest total recorded on Kansas CBC's (181 in 2004, and 180 in 2017), and well above the 167 average since 2000. It would have been 181 species if

not for the three count week species: an American Black Duck in Lawrence; a Yellow-eyed Junco at Scott Lake, which is a new species for Kansas; and a Varied Thrush at Junction City. Counts averaged a respectable 79 species, up from 73 last year.

Remarkably, over one-fourth of all counts recorded 90 or more species (13, 26.5%) up from 10 (18.5%) counts last year. Two counts broke the century mark, Linn count with 103 and Lawrence with 102. This was followed by: Cheyenne Bottoms, Parsons, and Wichita each with 97; Quivira National Wildlife Refuge (QNWR) with 96; Manhattan, Oskaloosa/Perry, and Red Hills each with 95; Wilson Lake with 92; Melvern Reservoir and Southeast Kansas Mined Lands each with 90. Baxter Springs had the fewest species with 50.

The total number of individuals, 3,281,152 was below last year's total of 4,532,257, and below the average of 5,827,270 since 2000. Halstead/Newton was the only count to exceed a million birds with 1,091,704 (33.3% of total). Only one additional count had over a half-million birds, Cheyenne Bottoms with 938,599 (28.6% of total). Three counts had fewer than 5,000 individuals with the lowest being observed at Baxter Springs with 1,652 followed by the Tallgrass Prairie National Preserve (2,292), and Fort Riley (3,911).

As expected, the Red-winged Blackbird was the most abundant species with 2,048,310 individuals, or 62.4% of this year's total; up slightly from last year's 2,009,366. Snow Goose (all forms) was the second highest total with 473,772 (14.4 % of total) individuals, followed by Canada Goose with 183,236 (5.6% of total).

Two years ago, we had a White-eyed Vireo, and last year a Blue-headed Vireo, but topping those this year, though only a "count week" bird, was the aforementioned Yellow-eyed Junco (documented with photographs) first observed on 2 November 2020 by Sara Shane.

Probably, the highlight species "counted" were a Barn Swallow in Linn County (first CBC record), a Harris's Hawk observed in Clark County, and two Palm Warblers (one each at Holton and Manhattan). A Yellow-billed Loon at Wilson Lake, and a Neotropic Cormorant at Wichita were exceptional finds. A single Say's Phoebe was reported at Webster Reservoir. An Osprey was reported in Linn County (eighth record). Eight Woodhouse's Scrub Jays were reported on two counts, six in Garden City and two in Syracuse. For the second consecutive year Vesper Sparrow was reported with one observed at Sawyer. Three Rufous-crowned Sparrows (two at Red Hills and one at Scott Lake) are always a good find in winter. For the second year in a row, the Black Vulture was reported with 40 individuals at Sedan (25 last year). A Turkey Vulture was observed at Manhattan and a Baltimore Oriole at Olathe, a couple of common breeding species that rarely winter in Kansas.

Other highlight species, in taxonomic order, includes the following: a White-winged Scoter at Manhattan; two Black Scoters (one each at Kanopolis

Reservoir and Lawrence); seven Long-tailed Ducks (five at Wilson Lake, and one each at Emporia and QNWR); three Eared Grebes (one each at Baldwin, Linn County, and Salina); and the 16,099 Sandhill Cranes on four counts (12,805 at QNWR, 2,100 at Dodge City, 815 at Red Hills, and 379 at Cheyenne Bottoms) is the second highest total since 2000 (40,070 were recorded in 2006). Two American Avocets, a Dunlin, three Long-billed Dowitchers, and 13 Greater Yellowlegs at QNWR attest to the mild weather and plenty of open water available this winter. Additional highlights include: a Pacific Loon at Wilson Lake; 1,001 American White Pelicans on 19 counts (39% of total); two Black-crowned Night-herons (one each at Lawrence and Wichita); three White-faced Ibis at Cheyenne Bottoms; two Northern Goshawks (one each at Marion and Red Hills); and two Peregrine Falcons (one each at John Redmond and Topeka). The Eastern Phoebe has become an annual occurrence in Kansas during the CBC period, with six reported this year, one below last year; and they have averaged 4/yr since 2000. Other notable species include: 11 Common Ravens at Syracuse; three Mountain Chickadees at Garden City; two Rock Wrens (one each Red Hills and Scott Lake); two House Wrens (one each at Fort Riley and Yoder); four Sedge Wrens ( three in Linn County and one in Parsons; two Gray Catbirds (one each at Scott Lake and Syracuse); four Brown Thrashers (one each at Dodge City, John Redmond, Lawrence, and Southeast KS Mined Lands); two Le Conte's Sparrows (one each at Lawrence and Southeast KS Mined Lands); one Orange-crowned Warbler at Wichita; and five Common Yellowthroats (two in Linn County; and one each at Cheyenne Bottoms, Parsons, and Southeast KS Mined Lands).

Numbers for species of conservation concern included: 199 Trumpeter Swans (up from 77 last year); 134 Greater Prairie-Chickens, an increase from only 38 last year (average 157/yr since 2000, 176/yr since 1995); and 12 Lesser Prairie-Chickens were recorded (average 8.5/yr since 2000, 9.5/yr since 1995) from Syracuse. The 76 Loggerhead Shrikes is a slight decrease from 84 last year, above the average of 73.3 since 2000, and below the 81 since 1995. The 17 Northern Shrikes is an increase from last year's nine, and above the average of 14.2 per year since 2000, and 15.3 since 1995. The 33 Scaled Quail at Syracuse was a nice find. After four consecutive years of decline the 890 Northern Bobwhite was greater than the 452 individuals last year, and above the average of 782 since 2000, but below the 948 average since 1995. Wild Turkey increased from last year's 1,800 to 1,944 individuals, though below the average of 2,880 since 2000. Bald Eagles decreased for the third consecutive year to 644, and slightly below the average of 653 since 2000. This might reflect warming climate; thus, populations are staying farther north. Northern Harriers rebounded from 736 individuals to 919, still below the 1,091 average since 2000. The 35 Ferruginous Hawks is slightly down from last year's 41, and below the 55 average since 2000, and 58 since 1995. There were only three Golden Eagles recorded, below the average of 9.9 since 1995. The 82 Black-billed Magpies (67 at Dodge City, five at Garden City, one at Kirwin, and nine at Syracuse) was the highest total reported since 2005 (255 individuals), but still well below the average of 135/yr since 2000, and 247/yr since 1995. The 299 Rusty Blackbirds is down from last year's 856, and below the 933 average since 2000. The Brewer's Blackbird count of 5,299 individuals is down from last year's total of 109,537, and well below the average of 12,820 since 2000.

The number of Red-shouldered Hawks rebounded from last year's 105 individuals to 190, second highest total ever recorded (225 in 2018-2019), and well above the average of 55 since 1995. Red-tailed Hawk (all forms) numbers increased to 3,245 individuals from 2,504 last year, which is above the average of 3,119.4 since 1995. Harlan's Hawk was down from last year's 76 to 70 this year. Rough-legged Hawk numbers rebounded from 50 last year to 182 individuals this year. The 59 Merlins was above last year's 51, an increase in two consecutive years. Prairie Falcons, after two years of decreases increased from 56 to 66 individuals this year.

The Eurasian Collared-Dove continues to be the most abundant dove/pigeon in Kansas. The 7,786 individuals this year is an increase from last year's 7,464, and above the average of 4,550.5 since 1997-1998, and 5,200 since 2000. Eurasian Collared-Dove's continue to be reported throughout most of the state excluding seven counts mostly in the northeast. As usual, southwestern Kansas contains the majority of the population with the highest totals coming from Scott Lake with 3,774 individuals (1,516 last year, 933 average since 2000), followed by Dodge City with 1,401 (1,705 last year, 663 average since 2000); and Garden City with 1,393 (1,093 last year, below the average of 1,513/yr since 2000).

The Rock Pigeon showed a decline for the third consecutive year from 7,679 in 2018, to 5,988 this year. Like last year, 11 counts reported White-winged Doves, though slightly down from last year's 405 to 390 individuals this year, which is still above the average of 161/yr since 2000. As expected most come from western Kansas. Garden City led with 200 individuals.

Red-headed Woodpeckers decreased slightly from 372 individuals to 364 this year, above the average of 271.4 per/yr since 2000. Pileated Woodpeckers after five years of consecutive increases with record setting numbers, followed by a decrease last year (92 individuals), broke another all-time record with 142 individuals this year, well above the average of 73 since 2000, and 65 since 1995. The 1,269 Downy Woodpeckers was up from last year's 910 individuals, slightly above the 1,245/yr average since 2000, and the highest total since 2017 (1,274).

White-breasted Nuthatches, Black-capped Chickadees, and Tufted Titmice all showed increases this year after several years of lower numbers. The 953 White-breasted was the highest since 2012 (1,085), the 2,482 Black-capped since 2014 (2,522), and the 1,288 Tufted Titmice since 2015 (1,346). The Carolina Chickadee decreased from last year's 352 to 233 this year, which might be due to the cancellation of the Arkansas City, Slate Creek Wetlands, and Winfield counts.

The 2,099 Eastern Bluebirds was a decrease for the second consecutive year from last year's 2,662 and 3,135 two-years ago. Mountain Bluebirds rebounded from 112 individuals last year to 273 this year. Townsend's Solitaires increased for the second consecutive year with 45 individuals reported this year. Hermit Thrushes decreased from 69 to 42 this year; and American Robins decreased from 30,606 last year to 7,220 this year.

As expected, the cancellation of the Arkansas City, Slate Creek Wetlands, and Winfield CBC's contributed to the possibly one of the lowest Harris's Sparrow numbers in decades with only 5,366 individuals, well below the average of 10,904 since 1995. It was a good year for certain northern irruptive species, while others went unreported (ex. crossbills, Common Redpoll, Evening Grosbeak). Red-breasted Nuthatches increased from 24 last year to 196 individuals this year. The 359 Purple Finches (nine last year) were well above the average of 147/yr since 2000, and the highest total since 2007 (635); and the 2,361 Pine Siskins increased from last year's 106, well above the average of 567/yr since 2000, and the highest total since 2012 (2,662). American Goldfinches increased for the third consecutive year to 3,911 individuals, but well below the average of 4,863 since 1995. The House Finch numbers increased from 1,662 individuals last year to 2,211, below the average of 2,755 since 2000, but the highest total since 2016 (2,328). The 312 Yellow-rumped Warblers (all forms) is the third lowest total since 2000, with only 236 in 2002, and 240 in 2000 being less, and well below the average of 1,300 since 1995. The Northern Cardinal increased from last year's 4,151 to 5,032 individuals this year, above the average of 4,742 since 2000, and the highest total since 2012 (5,201).

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 120th CBC (Ortega, B. 2020. 120th Christmas Bird Count Summary. Web page: <https://www.audubon.org/news/120th-christmas-bird-count-summary>.) high national counts from Kansas included: 2,037 Eurasian Collared-Doves at Cimarron National Grassland; 985 Lapland Longspurs at Dodge City; 2,662 Slate-colored Juncos and 1,784 Harris's Sparrows at Udall/Winfield; and 705,132 Red-winged Blackbirds at Halstead-Newton (The 120th Christmas Bird Count: U.S. High Counts. Web page: <https://www.audubon.org/news/the-120th-christmas-bird-count-us-high-counts>).

## COUNT DATA

**Anthony.** 37.151627°, -98.083055°. Center as described in 2020, where Bluff Creek crosses Highway K-2. 17 December 2020; 8:00 a.m. to 5:00 p.m.; 24°F to 41°F. Wind W to S 4-6 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Snow 1-2 inches. Five observers in 3 parties, plus 2 at feeders. Total party-hours 21.5 (3.0 on foot, 18.5 by car), plus 8 hours at feeders. Total party-miles 213.5 (2.5 on foot, 211 by car). Total 78 species; 11,425 individuals.

Terrence Claypoole, Tom Ewert, Elsie Fisher, Bonnie Giesen, Kevin Groeneweg, Karl Herold, Mary Herold (compiler-herold4us@gmail.com).

**Baldwin.** 38.782355°, -95.269002°. Center as described in 1986. 16 December 2020; 7:30 a.m. to 5:00 p.m.; 23°F to 34°F. Wind NW-SE 10-15 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, p.m. 0-25%. Ten observers in 6 parties, plus 4 at feeders. Total party-hours 38.2 (2 on foot, 36.2 by car), plus 4.25 at feeders and 2.5 hours owling. Total party-miles 392.25 (2.25 on foot, 390 by car), plus 22 miles owling. Total 84 species; 8,315 individuals.

Jan Boyd, Jon Boyd, Roger Boyd, Bill Busby, Cal Cink (compiler-calvincink@fac.bakeru.edu), Jo Cink, Joe Hoelscher, Scott Kimball, Becky

McMillen, Danny McMillen, Barbara Pressgrove, Amanda Pumphrey, Nick Pumphrey, Gary Sanden.

**Baxter Springs.** 37.074952°, -94.704581°. Center as described in 1982. 28 December 2020; 7:45 a.m. to 4:00 p.m.; 29° to 39°F. Wind NNE 5-8 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. overcast. Two observers in 1 party. Total party hours 7.5 hours (0.5 on foot, 7 by car), plus 0.5 hours at feeders. Total party miles 91.25 hours (0.25 on foot, 91 by car). Total 50 species; 1,652 individuals.

Cody Knudson, Jenn Rader (compiler-jennrader34@gmail.com).

**Benedictine Bottoms.** 39.609167°, -95.134161°. Center as described in 2006. 3 January 2021; 7:20 a.m. to 4:15 p.m.; 7°F to 35°F. Wind SSE 0-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. foggy, 76-95%, p.m. foggy, 26-50%. Snow 2 inches. Five observers in 4 parties. Total party-hours 13.5 (3.1 on foot, 10.4 by car). Total party-miles 90 (7.3 on foot, 82.7 by car). Total 59 species; 5,653 individuals.

Juan Avena, Mason Avena, John Bollin (compiler-bollinj@umkc.edu), Joanne Dial, John Schukman.

**Black Wolf.** 38.769021°, -98.362339°. Center as described in 1993. 9 January 2021; 7:00 a.m. to 5:30 p.m.; 26°F to 37°F. Wind SE to SW 2-8 mph. Still water partly open, moving water open; cloud cover, a.m. foggy, overcast, p.m. overcast, light rain. Eleven observers in 6 parties, plus 2 at feeders. Total party-hours 39 (13 on foot, 26 by car), plus 4 hours at feeders, plus 1 hour owling. Total party-miles 341 (5 on foot, 336 by car), plus 1 mile owling. Total 73 species; 18,943 individuals.

Henry Armknecht, Leland Francis, Byron Grauerholz, Tom Jett, David Klema, Bob Kruger, Dan Larson, Beth Ptacek, Ellen Rader, Heather Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Roger Schultz, Andrea Skucius.

**Bonner Springs/Lansing.** 39.179439°, -94.900504°. Center as described in 1995. 20 December 2020; 7:30 a.m. to 4:30 p.m.; 22°F to 50°F. Wind NW 0-10 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Twelve observers in 8 parties, plus 1 at feeders. Total party-hours 46.5 (18 on foot, 28.5 by car), plus 1 hour at feeders, plus 1.5 hours owling. Total party-miles 268.5 (16.5 on foot, 252 by car), plus 6 miles owling. Total 83 species; 8,479 individuals.

John Bollin, Kathy Carroll, Kendall Cooper, Michael Cooper, Robert Dooley, Barbara McAnany, Phil McAnany, Melody Miller, Diane Persons, Galen Pittman (compiler-galenpitt@gmail.com), John Schukman, Daniel Williams.

**Cheyenne Bottoms.** 38.434582°, -98.682986°. Center as described in 2014. 21 December 2020; 7:30 a.m. to 4:30 p.m.; 34°F to 57°F. Wind W 2-8 mph. Still water partly open, moving water open; cloud cover, a.m. 0-26%, p.m. 0-25%. Sixteen observers in 11 parties, plus 2 at feeders. Total party-hours 49.75 (10.25 on foot, 39.5 by car), plus 6 hours at feeders. Total party-miles 418 (9 on foot, 409 by car). Total 97 species; 938,599 individuals.

Henry Armknecht, Jessica Blehm, Karole Erikson, Bob Fiala, Kate Fiala, Jonas Kern, Mandy Kern, Pam Martin, Jay Miller, Linda Penner, Robert Penner, Mike Rader, Dan Rogers, Eugene Schneewis, Kim Schneewis, Kassie Sheridan, Jason Wagner, Curtis Wolf (compiler-cjwolf@fhsu.edu).

**Clark County.** 37.398144°, -99.913001°. Center as described in 2010. 9 January 2021; 8:00 a.m. to 4:00 p.m.; 30°F to 36°F. Wind E to SE 6-12 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, foggy, p.m. overcast. Seven observers in 2 parties. Total party-hours 13 (2 on foot, 11 by car). Total party-miles 123.5 (1.5 on foot, 122 by car). Total 57 species; 7,825 individuals.

Jeff Calhoun, Kurt Meier, Christi McMillen, Stan McMillen, Efren Martinez, Genaro Ramirez, Kevin Ramirez, (Galen Pittman-compiler-galenpitt@gmail.com, nonparticipant).

**Council Grove.** 38.685573°, -96.506701°. Center as described in 2010. 5 January 2021; 7:20 a.m. to 4:15 p.m.; 23°F to 45°F. Wind E 5 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. foggy. Snow 1.5 inches. Nine observers in 6 parties, plus 1 at feeders. Total party-hours 37 (4 on foot, 33 by car), plus 1 hour at feeders, plus 1 hour owling. Total party-miles 193 (4 on foot, 189 by car), plus 4 miles owling. Total 87 species; 8,890 individuals.

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

**Dodge City.** 37.777060°, -100.012287°. Center as described in 1985. 31 December 2020; 8:00 a.m. to 5:30 p.m.; 13°F to 42°F. Wind N to NW 5-15 mph. Still water open, moving water partly open, cloud cover, a.m. 0-25%, p.m. 0-25%. Nineteen observers in 8 parties, plus 8 at feeders. Total party-hours 35.75 (10.75 on foot, 25 by car), plus 25.5 hours at feeders, plus 1 hour owling. Total party-miles 322.3 (7.3 on foot, 315 by car), plus 20 miles owling. Total 73 species, 31,327 individuals.

Dana Bradley, Jeff Calhoun (compiler-Jeffcalhoun11@gmail.com), Debbi Conrardy, Brett Droegemeier, Cody Farra, Colton Farra, Kevin Groeneweg, Monica Horne, Austin Jacobs, Dave Linsenmeyer, Annie Martinez, Bode Martinez, Finn Martinez, Christi McMillen, Stan McMillen, Kurt Meier, Jennifer Nolan, Marc Russel, Sara Shane, Tom Shane, Barbara Snook, Julie Stegman, Connor Stukenholtz, Bill Turner, Mike Umschied, Eduardo Villanueva, Cassie Wells.

**El Dorado Lake.** 37.841944°, -98.818611°. Center as described in 2003. 22 December 2020; 7:45 a.m. to 4:15 p.m.; 36°F to 56°F. Wind S to SW 10 to 35 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Eight observers in 7 parties, plus 1 at feeders. Total party-hours 44.5 (11.5 on foot, 33 by car), plus 4 hours at feeders. Total party-miles 390.5 (16 on foot, 374.5 by car). Total 84 species, 6,047 individuals.

Vickie Cikanek, Vickie Cooper, Tom Ewert, Kevin Groeneweg, Dallas Hewitt, Patty Marlett, Acha Nolan (compiler-qanolan1942@gmail.com), Mike Nolan, Carolyn Schwab.

**Emporia.** 38.448579°, -96.079284°. Center as described in 1985. 20 December 2020; 7:30 a.m. to 5:49 p.m.; 30°F to 60°F. Wind SW to NW 5 to 15 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Fourteen observers in 5 parties plus 2 at feeders. Total party-hours 37.25 (18.75 on foot, 18.5 by car), plus 0.5 hours at feeders, plus 1.5 hours owling. Total party-miles 212.7 (11.2 on foot, 201.5 by car), plus 3 miles owling. Total 83 species; 19,955 individuals.

Denise Cameron, Kay Church, Kevin Church, Brandon Clark, Bill Jensen (compiler-wjensen1@emporia.edu), Harneet Kaur, Michele Kessler, Marvin Kuehn, Dan Larson, Kay McKnab, Paul McKnab, Kelsey Porter, Alexis Powell, Jacob Riggs, Jera Wolke, Rachael Yurchisin.

**Fort Riley.** 39.160000°, -96.775000°. Center as described in 2008. 14 December 2020; 7:00 a.m. to 4:30 p.m.; 13°F to 38°F. Wind NE to SE 0-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. 26-50%, p.m. 26-50%. Eleven observers in 9 parties, plus 1 at feeders. Total party-hours 61 (30 on foot, 31 by car), 0.5 hours at feeders, 0.5 hours owling. Total party-miles 274 (35 on foot, 239 by car), plus 1 mile owling. Total 72 species; 3,911 individuals.

Susi Algrim, Tom Duckworth, Mike Houck (compiler-mike.p.hock.civ@gmail.com), Levy Jones, Jeff Keating, Brian Monser, Derek Moon, Chuck Otte, Caroline Skidmore, Alex Thornburg, Steve Wahle.

**Garden City.** 37.916637°, -100.801463°. Center as described in 2001. 19 December 2020; 8:30 a.m. to 5:00 p.m.; 22°F to 44°F. Wind W to SW 0-10 mph. Still water partly open, moving water none; cloud cover, a.m. 0-25%, p.m. 0-25%. Ten observers in 6 parties, plus 7 at feeders. Total party-hours 33 (6 on foot, 27 by car), plus 10.5 hours at feeders. Total party-miles 120.1 (4.1 on foot, 116 by car). Total 75 species; 36,174 individuals.

Alan Geier, Nikki Geier, Loretta McClure, Kurtis Meier, Quentin Nolan, Art Nonhof, Jamie Osterbuhr, Karl Osterbuhr, Kas Osterbuhr, Kurt Osterbuhr, Marie Osterbuhr, Mike Ramsey (compiler-mramsey@hmbcr.com), Pamela Ramsey, Sara Shane, Tom Shane.

**Halstead/Newton.** 38.043040°, -97.472938°. Center as described in 1970. 19 December 2020; 7:30 a.m. to 4:30 p.m.; 24°F to 45°F. Wind NNW 3-10 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Ten observers in 4 parties, plus 2 at feeders. Total party-hours 34.61 (18.53 on foot, 16.08 by car), plus 6.75 hours at feeders. Total party-miles 233.4 (21.7 on foot, 211.7 by car). Total 69 species; 1,091,704 individuals.

Bob Dester, Gregg Friesen, Matt Gerlach, Brad Guhr, Lorna Harder (compiler-lornajhh@gmail.com), Chris Roiesen, Kaitlin Schmidt, Carolyn Schwab, Joe Soukup, Rod Wedel.

**Hays.** 38.834547°, -99.401859°. Center as described in 1987. 12 December 2020; 7:40 a.m. to 6:00 p.m.; 30°F to 37°F. Wind NNW to E 15-8 mph. Still water partly open, moving water none; cloud cover, a.m. 76-95%, p.m. 26-50%. Snow 0.5 inches. Nine observers in 6 parties, plus 8 at feeders. Total party-hours 21 (5 on foot, 16 by



car), plus 11 hours at feeders. Total party-miles 201.5 (4.5 on foot, 197 by car). Total 52 species; 13,592 individuals.

Medhavi Ambardar (compiler-m\_ambardar@fhsu.edu), Henry Armknecht, Max Biringer, Jarrod Brantley, Laura Brantley, Erica Clark, Elmer Finck, LaVonne Finck, David Levering, Kim Perez, Curtis Schmidt.

**Holton.** 39.463006°, -95.725506°. Center as described in 2011. 27 December 2020; 7:30 a.m. to 5:00 p.m.; 25°F to 49°F. Wind NW to SE 0-5 mph. Still water frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 5 parties. Total party-hours 36.5 (4 on foot, 32.5 by car), plus 1.25 hours owling. Total party-miles 249.3 (5.3 on foot, 244 by car), plus 6 miles owling. Total 79 species; 11,154 individuals.

Judy Billings, Dan Larson, Debbie McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Chad Phillips, Logan Smith, Janeen Walters, John Zempel, Linda Zempel.

**John Redmond Reservoir.** 38.274807°, -95.820825°. Center as described in 1993. 18 December 2020; 7:00 a.m. to 5:00 p.m.; 37°F to 52°F. Wind S 15-35 mph. Still water partly open, moving water open; cloud cover, a.m. 76-95%, p.m. 51-75%. Fourteen observers in 10 parties. Total party-hours 53.75 (7.25 on foot, 46.5 by car), plus 1 hour owling. Total party-miles 410 (8 on foot, 402 by car), plus 9 miles owling. Total 83 species; 33,584 individuals.

Jerri Cannon, Tom Cannon, Bob Culbertson (compiler-bob.culbertson@kaws.org), Carol Culbertson, Brandon Doering, Eugene Goff, Dan Larson, Alex Lyon, Lois Menard, Tim Menard, Marty Ramirez, Logan Smith, Dan Williamson, Jordan Wooderson.

**Junction City.** 39.000566°, -96.880836°. Center as described in 1992. 27 December 2020; 7:00 a.m. to 4:30 p.m.; 22°F to 47°F. Wind S to NW 0-20 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 26-50%. Four observers in 3 parties. Total party-hours 23.25 (3 hours on foot, 20.25 hours by car), plus 1.5 hours owling. Total party-miles 277.9 (2.5 miles on foot, 275.4 by car), plus 20 miles owling. Total 75 species; 15,336 individuals.

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

**Kanopolis Reservoir.** 38.609862°, -97.852696°. Center as described in 1983. 12 December 2020; 8:00 a.m. to 5:00 p.m.; 32°F to 33°F. Wind N to NW 10-15 mph. Still water open, moving water open; cloud cover, a.m. 76-95%, p.m. 76-95%. Six observers in 4 parties. Total party-hours 31 (10 on foot, 21 by car). Total party-miles 244 (6.5 on foot, 237.5 by car). Total 86 species; 32,354 individuals.

Kevin Groeneweg, Dave Klema, Robert Kruger (compiler-robertkruger118@gmail.com), Mike Rader, Roger Schulte, Scott Seltman.

**Kirwin.** 39.689633°, -99.122307°. Center as described in 1994. 24 December 2020; 8:00 a.m. to 4:15 p.m.; 18°F to 38°F. Wind N to S 5-15 mph. Still water partly

open, moving water open; cloud cover, a.m. 76-95%, p.m. 76-95%. Three observers in 2 parties. Total party-hours 16 (1 on foot, 15 by car). Total party-miles 145.5 (1 on foot, 144.5 by car), Total 62 species; 22,851 individuals.

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

**Lawrence.** 38.993330°, -95.311110°. Center as described in 1981. 19 December 2020; 7:30 a.m. to 5:00 p.m.; 29°F to 46°F. Wind NW 0-10 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 0-25%. Twenty-nine observers in 15 parties, plus 15 at feeders. Total party-hours 99.5 (52.5 on foot, 40.5 by car, 5 by ATV, 1.5 by bicycle), plus 26 hours at feeders, and 6.5 hours owling. Total party-miles 422 (54.5 on foot, 348 by car, 13 by ATV, 6.5 by bicycle), plus 22 miles owling. Total 102 species; 22,352 individuals.

Bob Antonio, Jill Barringer, Kelly Barth, Roger Boyd, Bill Busby, Vanessa Carlos, Kathy Carroll, Dave Chaffee, Pam Chaffee, Cal Cink, Lisa Grossman, Iris Grund, Peter Grund, Doug Houston, Susan Iverson, Scott Kimball, Kathy Kloche, Thomas Koffel, Chuck Magerl, Joey Magerl, Susan Magnoli, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Christopher Rogers, Stan Roth, Phil Wedge, Joyce Wolf, Ron Wolf, Molly Zahn.

**Leavenworth-Atchison.** 39.389810°, -95.011063°. Center as described in 1992. 26 December 2020; 7:00 a.m. to 4:30 p.m.; 23°F to 58°F. Wind S to SE 5-10 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 26-50%. Six observers in 6 parties, plus 2 at feeders. Total party-hours 31 (11 on foot, 20 by car), plus 1.5 hours at feeders, plus 1.5 hours owling. Total party-miles 227 (8 on foot, 219 by car), plus 3 miles owling. Total 78 species; 33,472 individuals.

Ann Bollin, John Bollin III, Robert Dooley, Michelle Loeffler-Bollin, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com), Brian Voorhees, Daniel Williams.

**Linn County.** 38.286910°, -94.752250°. Center as described in 2016. 14 December 2020; 7:30 a.m. to 5:15 p.m.; 24°F to 37°F. Wind N to NW 5-15 mph. Still water partly open, moving water open; cloud cover, a.m. foggy, overcast, p.m. 0-25%. Twelve observers in 8 parties. Total party-hours 54.25 (8.25 on foot, 46 by car), plus 1.5 hours owling. Total party-miles 377.75 (7.75 on foot, 370 by car), plus 5 miles owling. Total species 103; 27,843 individuals.

Jan Boyd, Roger Boyd (compiler-rboydbird69@gmail.com), Calvin Cink, Malcolm Gold, Mark Land, Mickey Louis, Dan Larson, Nicholaus Pumphrey, Janet Reynolds, Rose Reynolds, John Schukman, Terry Swope.

**Lovewell Reservoir.** 39.843070°, -98.119670°. Center as described in 2002. 17 December 2020; 7:45 a.m. to 5:15 p.m.; 27°F to 46°F. Wind W to SW 5-8 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. One observer in 1 party. Total party hours 9.5 (5.75 by foot, 3.75 hours by car). Total party miles 65.5 (0.5 on foot, 65 by car). Total species 59; 7,329 individuals.

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

**Manhattan.** 39.188659°, -96.580997°. Center as described in 1993. 19 December 2020; 7:00 a.m. to 5:30 p.m.; 20°F to 45°F. Wind N to NW 0-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Forty-two observers in 22 parties, plus 15 at feeders. Total party-hours 109 (48.25 on foot, 59.5 by car, 1.25 by golf cart), plus 33.5 hours at feeders, plus 3.5 hours owling. Total party-miles 501.25 (41 on foot, 458.25 by car, 2 by golf cart), plus 10.5 miles owling. Total 95 species; 46,218 individuals.

Pamela Been-Redeker, John Blair, Avery Boyer, Darla Boyer, Drew Boyer, Will Boyer, Alice Boyle, Coleen Brown, Doris Burnett, Mark Clarke, Elizabeth Dodd, Michael Donnelly, Clyde Ferguson, Maria Ferguson, Ann Feyerharm, Ned Gatewood, Jackie Gehrt, Gary Haden, Carole Ann Harbers, Kristen Hobbes, Angela Hubler, Lowell Johnson, Elizabeth Juergensmeyer, Jim Koelliker, Jackie MacDonald, Mark Mayfield (compiler-markherb@ksu.edu), Dene Mosier, Marge Muenzenberger, Lynette Muller, Cathy Musick, Doug Musick, Stacy Novak, Nick Parker, Ruth Parker, Ed Pembleton, Sil Pembleton, Dave Rintoul, Diane Row, John Row, Marla Shoemaker, Jim Shroyer, Dylan Smith, Gayla Snyder, Gerry Snyder, Robin Spencer, Kathy Swenson, Elli Tiege, Carla Trecek, Elisabeth Vanderlip, Bram Verheijen, Judy Willingham, Pate Willingham, Kimberly With, Patricia Yeager.

**Marion.** 38.377227°, -97.074830°. Center as described in 1993. 26 December 2020; 8:00 a.m. to 5:00 p.m. 27°F to 50°F. Wind S 5-10 mph. Still water partly open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Six observers in 5 parties, plus 2 at feeders. Total party-hours 30 (11.5 on foot, 18.5 by car), plus 2 hours at feeders, plus 1 hour owling. Total party-miles 313.8 (18.8 on foot, 295 by car), plus 10 miles owling. Total 81 species; 12,172 individuals.

Todd Becker, Tom Ewert (compiler-trewert@yahoo.com), Ruth Ewy, Kevin Groeneweg, Bob Hoopes, Patty Marlett, Jim Nickle, Gerald Wiens.

**Melvern Reservoir.** 38.497600°, -95.790205°. Center as described in 2013. 3 January 2021; 7:15 a.m. to 4:00 p.m.; 12°F to 39°F. Wind N to S 0-5. Still water completely frozen, moving water partly open; a.m. cloud cover, 0-25%, p.m. 0-25%. Snow 3 inches. Nine observers in 6 parties, plus 2 at feeders. Total party-hours 42 (3 on foot, 39 by car), plus 3 hours at feeders, plus 2 hours owling. Total party-miles 178 (7 on foot, 171 by car), plus 10 miles owling. Total 90 species; 9,072 individuals.

Jennifer Aldridge, Travis Clark, Cassidy Garland, Steve Howard, Jennifer Malcolm, Jim Malcom (compiler-iambirding@prodigy.net), Elmer Schroeder, Katherine Schroeder, Jason Simmonds, Melissa Simmonds, Mike Thomas.

**Olathe.** 38.912700°, -94.852157°. Center as described in 1987. 19 December 2020; 7:00 a.m. to 3:00 p.m.; 30°F to 42°F. Wind NW to WNW 9-6 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. 0-25%. Twelve observers in 10 parties, plus 1 at feeders. Total party-hours 37 (18 on foot, 19 by car), no feeder hours reported plus 1.25 hours owling. Party-miles 52.1 (16.2 on foot, 35.9 by car), plus 2.3 miles owling. Total 68 species; 6,720 individuals.

Aaron Batterbee, Don Bayless, Melissa Bruce (compiler-melissay69@gmail.com), Chris Fagyal, Nell Galliels, Matt Gearheart, Mark Laned, Rosanna Munuz, Steve Phillips, Mark Tarry, Ann Taylor.

**Olsburg.** 39.428262°, -96.644070°. Center as described in 1991. 12 December 2020; 7:30 a.m. to 5:00 p.m.; 33°F to 34°F. Wind N 8-15 mph. Still water open, moving water open; cloud cover, a.m. overcast. Snow 1 inch. p.m. overcast. Seven observers in 5 parties. Total party-hours 36.5 (6.5 on foot, 30 by car). Total party-miles 248.9 (5.7 on foot, 243.2 by car). Total 66 species; 8,204 individuals.

Bill Edwards, Ruth Hooper, Cindy Jeffrey (compiler-cinrancy@ksu.edu), Gary Jeffrey, Jay Jeffrey, Dave Rintoul, Patricia Yeager.

**Oskaloosa/Perry Lake.** 39.201493°, -95.403925°. Center as described in 1980. 20 December 2020; 7:30 a.m. to 5:15 p.m.; 29°F to 45°F. Wind SE 0-5 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty-one observers in 11 parties. Total party hours 69 (13.5 on foot, 55.5 by car), plus 0.5 hours owling. Total party-miles 376.7 (8.7 by foot, 368 by car), plus 0.5 miles owling. Total 95 species; 12,817 individuals.

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

**Parsons.** 37.478425°, -95.260380°. Center as described in 1996. 21 December 2020; 6:30 a.m. to 5:00 p.m.; 39°F to 62°F. Wind W-SW 0-7 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eight observers in 5 parties, plus 2 at feeders. Total party-hours 24 (9 on foot, 15 by car), plus 2 hours at feeders. Total party-miles 119.2 (9.2 on foot, 110 by car). Total 97 species; 25,401 individuals.

Andrew Burnett (compiler-aburnett9180@gmail.com), Andrew George, Royce Guhr, Ryan Lies, Ryan McGinty, Mary McNett, Ed Miller, Rick Tucker.

**Quivira National Wildlife Refuge.** 38.145925°, -98.491804°. Center as described in 1972. 14 December 2020; 7:00 a.m. to 5:00 p.m.; 15°F to 40°F. Wind SE 3-20 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Eleven observers in 8 parties. Total party-hours 53 (14.5 on foot, 38.5 by car), plus 1 hour owling. Total party-miles 391 (6 on foot, 385 by car), plus 5 miles owling. Total 97 species; 73,420 individuals.

Henry Armknecht, Bob Gress, Kevin Groeneweg, Rachel Laubhan, Patty Marlett, Linda Penner, Robert Penner, Mike Rader (compiler-mike\_rader@hotmail.com), Scott Seltman, Deb Williams, Randy Williams.

**Red Hills.** 37.234191°, -98.686843°. Center as described in 1994. 2 January 2021; 7:45 a.m. to 5:45 p.m.; 35°F to 50°F. Wind NW to S 0-5 mph. Still water open, moving water open; cloud cover, a.m. 26-50%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 32.5 (15 on foot, 17.5 by car), plus 0.25 hours at feeders, plus 2 hours owling. Total party-miles 327.5 (7.5 miles on foot, 320 by car), plus 25 miles owling. Total 95 species; 8,129 individuals.

Ken Brunson, Lee Ann Brunson, Kevin Groeneweg, Pete Janzen  
(compiler-pete.janzen@sbcglobal.net), Patty Marlett, Zach Poland, Jane Queal,  
Lauren Sill.

**St. Mary's.** 39.1941°, -96.071091°. Center as described 2017. 2 January 2021; 7:00 a.m. to 6:15 p.m.; 18°F to 35°F. Wind NE 1-5 mph. Still water completely frozen, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Snow 3 inches. Fourteen observers in 8 parties. Total party-hours 49.75 (6.5 by foot, 43.25 by car), plus 1 hour owling. Total party-miles 392.1 (8.9 on foot, 383.2 by car), plus 0.5 miles owling. Total 78 species; 63,084 individuals.

Judy Billings, Coleen Brown, Glen Caspers, Mary Conrad, Jennifer Jones, Dan Larson, Brandon Magette, Debra McKee (compiler-grmasmurf@gmail.com), Sue Newland, Mark Pheasant, Sam Schermerhorn, Tom Schermerhorn, Carla Trecek, Janeen Walters.

**Salina.** 38.841702°, -97.630868°. Center as described in 1983. 19 December 2020; 7:45 a.m. to 5:15 p.m.; 22°F to 47°F. Wind SSE to NNW 0-7 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties, plus 4 at feeders. Total party-hours 36.5 (12.5 on foot, 24 by car), plus 14 hours at feeders, plus 1.5 hours owling. Total party-miles 247.5 (13.5 on foot, 234 by car), plus 15 miles owling. Total 88 species; 12,147 individuals.

Aaron Anders, Brad Daily, Dave Klema, Kaleb Kroeker, Byron Grauerholz (compiler-blgrauerholz@yahoo.com), Austin Mann, Quincy Mann, Bonnie Neubrand, Mark Neubrand, Mike Rader, Addison Renfro, Clark Renfro, Mallory Renfro, Doug Rudick, Roger Schultz.

**Sawyer.** 37.529075°, -98.702457°. Center as described in 1990. 17 December 2020; 8:00 a.m. to 4:15 p.m.; 26°F to 45°F. Wind WNW to WSW 6 to 11 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Snow 1 inch. Nine observers in 4 parties. Total party-hours 19.5 (3.75 on foot, 15.75 by car). Total party-miles 185 (3 on foot, 182 by car). Total 80 species; 25,808 individuals.

Ken Brunson, LeAnn Brunson, Zack Cordes, Chelsea Hofmeier, Jordan Hofmeier (compiler-jordan.hofmeier@ks.gov), Sarah Pulliam, Mike Rader, Mark Van Scoyoc, Ryan Waters.

**Scott Lake.** 38.583882°, -100.907423°. Center as described in 1987. 20 December 2020; 7:30 a.m. to 5:00 p.m.; 29°F to 55°F. Wind NW to SW 8-18 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties, plus one at feeders. Total party-hours 31 (13 on foot, 18 by car), plus 1 hour at feeders, plus 1.75 hours owling. Total party-miles 149.4 (11.6 on foot, 137.8 by car), plus 2 mile owling. Total 67 species; 12,690 individuals.

Terri Brau, Coleen Brown, Christopher Frick, Loretta McClure, Kurt Meier, Quentin Nolan, Jamie Osterbuhr, Kas Osterbuhr, Marie Osterbuhr, Mike Ramsey, Pamela Ramsey, Sara Shane (compiler-sjns4422@gmail.com), Tom Shane, Carla Trecek.

**Sedan.** 37.145072°, -96.163494°. Center as described in 2016. 12 January 2021; 8:00 a.m. to 4:00 p.m.; 30°F to 56°F. Wind SW 5 to 12 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 5 parties. Total party-hours 32 (7.3 on foot, 24.7 by car). Total party miles 250.9 (6.8 on foot, 244.1 by car). Total 75 species; 5,282 individuals.

Tom Ewert, Kevin Groeneweg, Paul King, Patty Marlett, Atcha Nolan (compiler-qanolan1942@gmail.com), Carolyn Schwab.

**Southeast KS Mined Land.** 37.230288°, -94.968988°. Center as described in 1992. 3 January 2021; 7:00 a.m. to 5:00 p.m.; 26°F to 51°F. Wind SW to SE 0-5 mph. Still water partly open, moving water open; cloud cover, a.m. foggy, 0-25%, p.m. 0-25%. Thirteen observers in 9 parties. Total party-hours 42.76 (7.7 on foot, 35.06 by car). Total party-miles 298.8 (6.8 on foot, 292 by car). Total 90 species; 7,714 individuals.

Wayne Bockelman, Andrew Burnett, Megan Corrigan, Cindy Ford, Steven Ford Chad Gardner, Andrew George (compiler-adgeorge@pittstate.edu), Robert Mangile, Alex Marine, Ryan McGinty, Don Weidemann, Marion Weidemann, Mary Whiteacre.

**Syracuse.** 37.995091°, -101.881766°. Center as described in 1994. 3 January 2021; 9:00 a.m. to 5:00 p.m.; 26°F to 53°F. Wind S to N 5-8 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Eleven observers in 5 parties. Total party-hours 30 (6 on foot, 24 by car). Total party-miles 194 (5 on foot, 189 by car). Total species 65; 23,888 individuals.

Loretta McClure, Kurtis Meier, Quentin Nolan, Arthur Nonhof (compiler-artnonhof@sbcglobal.net), Karen Nonhof, Carl Osterbuhr, Marie Osterbuhr, Michael Ramsey, Pamela Ramsey, Sara Shane, Tom Shane.

**Tallgrass Prairie National Preserve.** 38.434226°, -96.559501°. Center as described in 2010. 19 December 2020; 8:00 a.m. to 4:00 p.m.; 25°F to 45°F. Wind NW to SE 5-10 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties. Total party-hours 25 (20 on foot, 5 by car). Total party-miles 58.5 (26.2 on foot, 32.3 by car). Total 60 species; 2,292 individuals.

Denise Cameron (compiler-dcamero2@g.emporia.edu), Brandon Clark, Owen Harbison, Chris Hase, Kristen Hase, Bill Jensen, Michele Kessler, Jera Wolke, Rachel Yurchisin.

**Topeka.** 39.048198°, -95.678162°. Center as described in 1972. 26 December 2020; 7:10 a.m. to 5:30 p.m.; 21°F to 60°F. Wind NW to SE 0-5 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Twenty-nine observers in 14 parties, plus 7 at feeders. Total party-hours 75 (25 on foot, 50 by car), plus 9.5 hours at feeders. Total party-miles 509.4 (38.4 on foot, 471 by car). Total 87 species; 14,643 individuals.

Judy Billings, Diana Busey, Randy Carman, Glen Caspers, Denise Eulert, Kelly Haller, Jennifer Jones, Kay Kelly, Dan Larson, Shari Larue, Nancy Leo, Sam Mannell, Terry Mannell, Debra McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Paul Post, Barbara Smith, Logan Smith, Spencer Smith, Vivien Smith, Jay VanBlaricum, Katie VanBlaricum, Violet

VanBlaricum, Janeen Walters, Avery Weishaar, Leslie Weishaar, Martin Weishaar, John Zempel, Linda Zempel.

**Waconda Lake.** 39.466249°, -98.358460°. Center as described in 1992. 16 December 2020; 7:15 a.m. to 4:30 p.m.; 21°F to 29°F. Wind W to WSW 5-8 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. One observer in 1 party. Total party-hours 9.25 (4.75 on foot, 4.5 by car). Total party-miles 60.9 (0.5 on foot, 60.4 by car). Total 61 species; 14,879 individuals.

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

**Wakefield.** 39.220150°, -96.966367°. Center as described in 1993. 20 December 2020; 7:00 a.m. to 4:00 p.m.; 34°F to 50°F. Wind S 0 to 10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Nine observers in 4 parties, plus one at feeders. Total party-hours 26 (3.75 on foot, 22.25 by car), plus 7 hours at feeders, plus 1 hour owling. Total party-miles 243.15 (2.75 on foot, 240.4 by car), plus 20 miles owling. Total 81 species; 6,650 individuals.

Marcia Abbick, Doris Burnett, Jeff Keating, Joshua Keating, Robert Kruger, Judy Miller, Chuck Otte (compiler-cotte@twinvalley.net), Jaye Otte, Nicole Stroh.

**Webster Reservoir.** 39.423129°, -99.407639°. Center as described in 1992. 4 January 2021; 7:30 a.m. to 5:30 p.m.; 37°F to 55°F. Wind W to NW 5-20 mph. Still water partly open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Six observers in 4 parties. Total party-hours 32 (14.5 on foot, 17.5 by car). Total party-miles 280 (3 on foot, 277 by car). Total 81 species; 307,966 individuals.

Henry Armknecht, Ken Brunson, LeAnn Brunson, Mike Rader (compiler-mike\_rader@hotmail.com), Diane Seltman, Scott Seltman.

**Wichita.** 37.691340°, -97.349680°. Center as described in 1955. 19 December 2020; 7:30 a.m. to 5:00 p.m.; 30°F to 47°F. Wind N to SW 3-12 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Seventeen observers in 10 parties, plus 2 at feeders. Total party-hours 56.5 (36.25 on foot, 20.25 by car), plus 2.75 hours at feeders, plus 3.5 hours owling. Total party-miles 319 (46.5 on foot, 272.5 by car), plus 28.5 miles owling. Total 97 species; 33,061 individuals.

Jeremy Birket, Tom Ewert, Harry Gregory, Bob Gress, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Sarah Hofhine, Steve Hofhine, Pete Janzen, Michael Jungen, Jim Marlett, Patty Marlett, Cheryl Miller, Mark Nolen, Dave Pettus, Dale Randall, Tina Seemayer, Eddie Stegall, Curt VanBoening.

**Wilson Lake.** 38.944288°, -98.571752°. Center as described in 1994. 20 December 2020; 7:30 a.m. to 5:30 p.m.; 32°F to 56°F. Wind W to SW 5- 20 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 26-50%. Eight observers in 6 parties. Total party-hours 43 (15.5 on foot, 27.5 by car), plus 0.5 hours owling. Total party-miles 346 (8 on foot, 338 by car), plus 7 miles owling. Total 92 species; 12,723 individuals.

Henry Armknecht, David Klema, Linda Penner, Robert Penner, Ellen Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Roger Schultz, Scott Seltman.

**Yoder.** 37.897589°, -97.866716°. Center as described in 2000. 15 December 2020; 7:15 a.m. to 1:00 p.m.; 29°F to 31°F. Wind W to E 10-13 mph. Still water open, moving water open; cloud cover, a.m. overcast, p.m. overcast, snow. Eleven observers in 7 parties. Total party-hours 21.25 (4 foot, 17.25 by car). Total party-miles 207.5 (3 on foot, 204.5 by car). Total 60 species; 117,406 individuals.

Allen Asmussen, Stephanie Carlson, Daniel Dyck, Linda Dyck, Caliope Gallagher, John Gallagher (compiler-jgallagher@hutchrec.com), Maria Kelson, Steven Kinser, Jay Miller, Verna Miller, Jim Smith.



**Table 1. 2020-2021 KOS CBC.**

<b>Species</b>	<b>Anthony</b>	<b>Baldwin</b>	<b>Baxter Springs</b>	<b>Benedictine Bottoms</b>	<b>Black Wolf</b>	<b>Bonner Springs</b>	<b>Cheyenne Bottoms</b>	<b>Clark County</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>
Snow Goose	713	201		291		45	29571	1	322	7531	CW	3395	153	7921
Ross's Goose	901						5		3	1		1		
Greater White-fronted Goose	45	51		5	41	1	556			940	CW	372		
Cackling Goose	120	28		15	395	142	250	139	34	860	470	3328	40	
Canada Goose	1620	2805		608	1200	3930	467	67	655	1064	936	6975	541	43
Cackling/Canada Goose														
Mute Swan														
Trumpeter Swan	1			77				CW			CW			
Tundra Swan														
Wood Duck	7				CW	1	1						8	5
Blue-winged Teal							1							
Northern Shoveler	35	5	25	56	25	57	756		4	128	27	30		10
Gadwall	108	135		60	4	61	178		3	23	242	73		6
American Wigeon	57					3	13		8	38	18			26
Mallard	52	56	61	87	19	570	924	178	298	18	310	1247	31	43
American Black Duck														
Northern Pintail	11			4			374	41		1	6			6
Green-winged Teal	56	6		2	CW	10	275	25	6	2	60	3		6
Canvasback	3						23		5	1		22		1
Redhead		1					9	31	1	34	14			
Ring-necked Duck	27	154	2	12	22	27	4		15	4	12	19		27
Greater Scaup							10							
Lesser Scaup	6	8		1	15	13	3		42		32	8		19
White-winged Scoter														
Black Scoter														
Long-tailed Duck												1		
Bufflehead		6					CW	16		13	12	4	10	
Common Goldeneye		3	8	11			66	17	3	233	83	57	16	1
Hooded Merganser	2	46					15	5		19	9	27	13	10
Common Merganser							10	134	10	322				
Red-breasted Merganser		4					CW			3				
Ruddy Duck	3	3		9		15	11			4		5		
duck species							2450				12	29		
Northern Bobwhite	1	10		12	6		5		14	31	43	1	166	18
Scaled Quail														
Wild turkey		6		12	16	1	135		21	7	71		8	
Greater Prairie-Chicken					35		1				CW		34	
Lesser Prairie-Chicken														
Ring-necked Pheasant	2				9		4		2	6	3		15	1
Pied-billed Grebe	5	10					7			CW	1	3	5	13
Horned Grebe														
Eared Grebe		1												
Rock Pigeon	5	71	30	19	80	69	19	70	67	1521	94	431	19	284
Eurasian Collared-Dove	20	13			58	10	77	206	1	1401	18	13		1393
White-winged Dove	2				1		66	4		73				200
Mourning Dove	61	136	126	56	157	17	18	142	34	263	13	132	53	16
Greater Roadrunner					CW					1				
Virginia Rail					1									
American Coot				2		19	1092		5		2	3	3	209
Sandhill Crane							379			2100	CW			
American Avocet														
Killdeer		1	1			2		1			1	2		
Dunlin														
Long-billed Dowitcher														
Wilson's Snipe							1							
Greater Yellowlegs							CW							
Bonaparte's Gull														
Ring-billed Gull	2	2	11	5	1	30	823		118		369	201	15	1
Herring Gull		1					137		9		3			
Iceland Gull							1							
Lesser Black-backed Gull									1		1			
gull species	4										136			
Pacific Loon														
Common Loon														
Yellow-billed Loon														
Double-crested Cormorant	3											3		
Neotropic Cormorant														
American White Pelican							5				12			
Great Blue Heron	10	5	5		4	4	143	10	6	6	14	6	5	2
Black-crowned Night-Heron														
White-faced Ibis							3							
Black Vulture														
Turkey Vulture														
Osprey														
Golden Eagle									1					
Northern Harrier	22	15	1	1	30		43	28	19	27	14	22	43	20
Sharp-shinned Hawk	1	1	1		1	1	4	2	1	3	2	1	1	6
Cooper's Hawk	1	3			3	4	3		3	3			4	6
Northern Goshawk														
Accipiter species														
Bald Eagle	CW	2	6	23	7	3	9	2	13		3	8	3	
Harris's Hawk								1						
Red-shouldered Hawk		16	11	1		11			2		2	2	1	
Red-tailed Hawk	63	132	15	34	113	45	102	22		63	64	52	93	45
Red-tailed (Harlan's) Hawk		1		2		1				4	3		5	
Rough-legged Hawk	5				11		3	5	4	12	3	4	24	1
Ferruginous Hawk	1									1				13
Buteo species											2			2
Barn Owl							2			1		1		1
Eastern Screech-Owl		1			2		1	1		6				
Great Horned Owl	2	7			6	2	8	3	5	15		6	6	3
Barred Owl	3	6	1		1	2			2		2	5	4	
Long-eared Owl									2					
Short-eared Owl					4								3	
Belted Kingfisher		6	2	2	3	7	5	1	1	1	3	2	10	1
Red-headed Woodpecker		38	5	2		25			2			5	11	
Red-bellied Woodpecker	5	81	26	32	38	51	15	1	18	7	22	29	43	3
Yellow-bellied Sapsucker		3	2			8			2			1	2	
Downy Woodpecker	7	47	7	17	24	35	14	6	22	27	19	11	35	11

**Table 1. 2020-2021 KOS CBC.**

<b>Species</b>	<b>Anthony</b>	<b>Baldwin</b>	<b>Baxter Springs</b>	<b>Benedictine Bottoms</b>	<b>Black Wolf</b>	<b>Bonner Springs</b>	<b>Cheyenne Bottoms</b>	<b>Clark County</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>
Hairy Woodpecker	3	4		4	15	3	5	4	1	7	4	4	7	3
Northern Flicker Unidentified	3	67	4	7	49	33	29	8		15	11	40	41	5
Northern Flicker Yellow-shafted	5	1	6	7	4	3	11		43	1	15	3	43	1
Northern Flicker Red-shafted	4				4	1	17		2	2			15	4
Pileated Woodpecker		18	1	1		3			1		5	5	11	
American Kestrel	13	30	20	6	52	5	16	12	7	17	8	4	10	12
Merlin					2	1	5	2		4			1	4
Peregrine Falcon														
Prairie Falcon		CW			2	1	3	7		5	2		1	
<i>Falco</i> species														
Eastern Phoebe	1		2											
Say's Phoebe														
Loggerhead Shrike	9	4				1	3		3		3	5		
Northern Shrike									1	1	2			1
Blue Jay	6	237	41	36	16	121	14	1	78	13	15	25	42	35
Woodhouse's Scrub Jay														6
Black-billed Magpie										67				5
American Crow	19	417	55	122	45	119	20	4	144	2	120	68	241	
Common Raven														
Horned Lark	173	74		283	62	5	21	104	54	298	60	53		363
Barn Swallow														
Carolina Chickadee	4		34								1			
Black-capped Chickadee	4	117		11	47	81	3		29		35	46	47	
Mountain Chickadee														3
Tufted Titmouse		67	27	7	1	83			14		12	16	34	
Red-breasted Nuthatch	3	1			4	2	16			17	3		1	21
White-breasted Nuthatch	1	44	9	13	26	41	17		15	4	11	10	37	7
Brown Creeper		2			2	3			5		2	3	1	4
Rock Wren														
House Wren													1	
Winter Wren	2	2		1	2	2	1	1	1	2	5	1	1	
Sedge Wren														
Marsh Wren	1						8							5
Carolina Wren	9	43	16	14	22	75	10	1	7	4	37	24	30	1
Bewick's Wren														
Golden-crowned Kinglet		2		4	1	11	2		5	2		13	3	1
Ruby-crowned Kinglet		1			1	4	1			1	3	1		
Eastern Bluebird	16	104	9	3	10	62	1	3	89		42	21	77	2
Mountain Bluebird														
Townsend's Solitaire							1			2				5
Hermit Thrush		2				2		1						
American Robin	21	120	1		2	180	148	2	209	12	16	83	56	183
Varied Thrush														
Gray Catbird														
Curve-billed Thrasher														
Brown Thrasher										1				
Northern Mockingbird	6	20	12			11	1		3		5	3		
European Starling	490	705	115	228	1258	124	5270	660	1090	2201	680	567	240	6762
Cedar Waxwing		150	22			45	101		14	2	14	117	94	14
House Sparrow	112	168	12	94	282	107	254	493	67	1076	40	61	9	699
American Pipit														
House Finch	13	52	2		46	38	65	4	29	205	24	16	23	172
Purple Finch	5	51			19	3	3				3		2	
Pine Siskin	12	18			250	24	125	9	6	439				306
American Goldfinch	88	98	4	10	180	44	78		46	66	75	52	155	26
Lapland Longspur	77			4	41		1	3075	7	4216	13			7500
Chestnut-collared Longspur										1				
Smith's Longspur												9		
longspur species														
Lark Bunting								1						
Field Sparrow	2				CW		1				2	2		
Fox Sparrow		9	1		1		3		2		3	3		
American Tree Sparrow	66	80	5	250	2275	63	595	101	431	68	192	128	377	24
Dark-eyed (unidentified) Junco	77	572	63	370	325		437			338	83	156	265	281
Slate-colored Junco	20	24	273		345	403	149	149	255	60	308		304	34
Oregon Junco		1			4		7			7			10	13
Pink-sided Junco					1					4	2		3	3
Gray-headed Junco													1	
Yellow-eyed Junco														
White-crowned Sparrow	87	58	19	3	86	13	11	70	32	135	6	27	1	499
Harris's Sparrow	69	75	13	68	328	49	67	2	109	39	97	44	11	7
White-throated Sparrow		9	48	6		66			4		7	4	6	
Vesper Sparrow														
LeConte's Sparrow														
Savannah Sparrow	25		4	5				2	3				1	6
Song Sparrow	41	10	10	30	52	31	52	9	21	18	37	20	15	18
Lincoln's Sparrow				2										1
Swamp Sparrow													2	
Rufous-crowned Sparrow														
Spotted Towhee	2	1			30		1	3	5	10	2	1	1	2
Eastern Towhee						1								
Eastern Meadowlark	6	55	66	35		6	149		16			35		
Western Meadowlark	16	18		2	570	8	87	67	3	192		10		372
<i>Sturnella</i> species	1046	90		131	800		466	343	67	808	26	168	95	
Baltimore Oriole														
Red-winged Blackbird	3347	276	304	2157	2400	1085	889788	1640	3455	2965	458	1406	61	3616
Brown-headed Cowbird	189	34			765		24	5	3	CW	10	57		1
Rusty Blackbird					5	10			12				14	
Brewer's Blackbird	1250				815		2	65		1070	46	3		
Common Grackle	50	2		243	4		21				1	3		16
Great-tailed Grackle					110		1285			701	56			4754
blackbird species					5200						200	24		
Orange-crowned Warbler														
Common Yellowthroat							1							
Palm Warbler														
Yellow-rumped Warbler - Myrtle		10	3			9			15		3	6	1	
Northern Cardinal	40	245	105	38	50	133	36	7	89	39	79	68	97	4
<b>Total Species</b>	78	84	50	59	73	83	97	57	87	73	84	83	72	75
<b>Total Individuals</b>	11425	8315	1652	5653	18943	8479	938599	7825	8890	31327	6047	19955	3911	36174

Table 1. 2020-2021 KOS CBC.

Species	Halstead/ Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir
Snow Goose	2850		5402	21500	600		11500	740	26704	152	1089	19175	287	300
Ross's Goose	2		1	8			3	29	16	1	6		4	
Greater White-fronted Goose	20		4	52	20		3	26		223	1	1	136	
Cackling Goose	84		21	4	152		212	30	20		62	94	304	75
Canada Goose	4212	125	1738	2257	884	120	2100	2485	1755	444	460	4846	5589	1200
Cackling/Canada Goose												1291		
Mute Swan														
Trumpeter Swan								3						
Tundra Swan														
Wood Duck	4							1		2			4	
Blue-winged Teal										2				
Northern Shoveler	5			42	108	17		208		12	342	2	53	
Gadwall			15	28	21	73	40	488	14	97	23	109	16	15
American Wigeon		37		18		10	61	18		1	9	1		3
Mallard	65	2	209	2071	86	567	2825	1200	1567	388	4148	239	467	344
American Black Duck								CW						
Northern Pintail							2	1	37	1	1	1		5
Green-winged Teal	51		12	730	44	3	24	103	17	10	8	40		6
Canvasback														
Redhead			1	6	3	1		10		1	1	2	3	56
Ring-necked Duck	22	1		5		21		11	38	74	16	17	2	23
Greater Scaup						2								
Lesser Scaup				8	CW	5	2	23	9		15	6	17	43
White-winged Scoter												1		
Black Scoter						1		1						
Long-tailed Duck														
Bufflehead				19	23	49	46	34		3		1	3	35
Common Goldeneye			132	178	395	439	220	108	67	11	271	225	566	132
Hooded Merganser			25	29	1	50	93	158	4	73	9	53	12	54
Common Merganser			59	22	2	18	166	1	112		120	137	4	211
Red-breasted Merganser						4						2		2
Ruddy Duck	2		5				8		12	8	69	CW	10	3
duck species				5			150			3000	12			
Northern Bobwhite		8	1	15	19	65		3		5		67		8
Scaled Quail														
Wild turkey		108	119	94	140	125		42	2			114	CW	16
Greater Prairie-Chicken												CW		
Lesser Prairie-Chicken														
Ring-necked Pheasant	1	8	1				4						CW	
Pied-billed Grebe	CW		1	4		4	2	8		24		3	4	1
Horned Grebe										1				
Eared Grebe										1				
Rock Pigeon	20	460	53	43	8	7	60	500	7	95		120	42	56
Eurasian Collared-Dove	17	129	15		8	15	31	2	13	4		26	33	4
White-winged Dove													3	
Mourning Dove	39	56	60	5	1	24	65	112	28	3	1	115	43	78
Greater Roadrunner														
Virginia Rail						1								
American Coot	CW		5		5	14	11	44		230	9		11	6
Sandhill Crane														
American Avocet														
Killdeer		CW		1	4			3		1				
Dunlin														
Long-billed Dowitcher														
Wilson's Snipe						2						1		
Greater Yellowlegs														
Bonaparte's Gull						19		10		75		3	3	
Ring-billed Gull			21	2230	200	497	131	6634	2	154	48	284	148	200
Herring Gull				8	4	2	8	4		1	6	11	13	15
Iceland Gull														1
Lesser Black-backed Gull														
gull species				1										
Pacific Loon														
Common Loon				4	CW			1		7				
Yellow-billed Loon														
Double-crested Cormorant				905	1	5		2	1	332	4	4	CW	
Neotropic Cormorant														
American White Pelican	CW			337	2	15		98	115	16	1	1	109	2
Great Blue Heron	6		2	16	26	38	1	16	5	12		27	21	7
Black-crowned Night-Heron								1						
White-faced Ibis														
Black Vulture														
Turkey Vulture												1		
Osprey														
Golden Eagle										1				
Northern Harrier	4	5	12	43	6	28	20	1	3	9	1	16	11	22
Sharp-shinned Hawk			1	2				5		1		6	4	
Cooper's Hawk	1	1	1		2	2		6		3		7	CW	3
Northern Goshawk														
Accipiter species	1													
Bald Eagle	7		12	34	18	10	13	27	40	25	4	1	11	26
Harris's Hawk														
Red-shouldered Hawk	2		12	4	2			24	7	8	8	7		4
Red-tailed Hawk	64	26	81	61	56	72	34	128	57	141		146	91	
Red-tailed (Harlan's) Hawk	2				1	3		2		3		9	5	
Rough-legged Hawk		3	3	5	2	13	1					9	CW	5
Ferruginous Hawk														
Buteo species		1		3			3					1		
Barn Owl									1					
Eastern Screech-Owl		2		1		1	1	3	1	2	2			2
Great Horned Owl	9	1	1	2	3		1	5	3	1		4	9	6
Barred Owl			6	1				12	4	8	2	5	2	4
Long-eared Owl			1											
Short-eared Owl			1							9				4
Belted Kingfisher	5	CW	4		4	4	1	6	2	3	1	12	3	1
Red-headed Woodpecker			4	2				5	4	147		5		2
Red-bellied Woodpecker	43	5	36	5	8	44	17	137	52	69	4	113	33	33
Yellow-bellied Sapsucker		1	1			3		3	3	4		9	1	3
Downy Woodpecker	19	10	21	6	4	31	7	133	29	51	9	71	28	41

Table 1. 2020-2021 KOS CBC.

Species	Halstead/ Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir
Hairy Woodpecker	1	3	3	2	1	11		15	3	3	2	15	6	2
Northern Flicker Unidentified	13	5	18	10	14	32	10		39	44	6	25		11
Northern Flicker Yellow-shafted	6			12	4	11	2	122				70	12	23
Northern Flicker Red-shafted	1	3		1	1	3	12	2				7		
Pileated Woodpecker	2		3	4				10	10	15	1	10	1	1
American Kestrel	13		23	14	3	23	5	10	20	15	1	21	12	3
Merlin	2			2		2						2		
Peregrine Falcon				1										
Prairie Falcon	1	3		1		4	4					1	1	1
<i>Falco</i> species							1							
Eastern Phoebe														
Say's Phoebe														
Loggerhead Shrike		1	2	1		3		1					CW	4
Northern Shrike				1		1						CW		
Blue Jay	40	1	52	31	11	3	11	330	109	255	6	190	35	189
Woodhouse's Scrub Jay														
Black-billed Magpie							1							
American Crow	72	15	326	315	346	107		467	170	142	6	10166	102	123
Common Raven														
Horned Lark	15	1206	8	51	32	15	125	84	28	7		14	169	34
Barn Swallow										1				
Carolina Chickadee														
Black-capped Chickadee	88	12	57	54	16	52		260	67	90	24	178	67	45
Mountain Chickadee														
Tufted Titmouse	11		19	17	5	1		197	52	101		90	16	15
Red-breasted Nuthatch	1	14	1	2		CW	1	7			2	36	7	2
White-breasted Nuthatch	23	8	22	3	4	16	16	82	35	51	13	60	11	15
Brown Creeper	2	1		1		2		9	6	7	1	1	2	5
Rock Wren														
House Wren														
Winter Wren	5		2			2		2	8	3		2	3	2
Sedge Wren										3				
Marsh Wren			1			1	1	4		1				
Carolina Wren	26	11	23	8	6	29	3	139	53	54	2	81	28	11
Bewick's Wren												1		
Golden-crowned Kinglet	1	1	4		2	3		16	17	2	3	6		6
Ruby-crowned Kinglet		1	1		2	2		5	9	7		5	1	1
Eastern Bluebird	18	2	11	58	38	34		237	48	54	2	184	21	87
Mountain Bluebird														
Townsend's Solitaire											1			
Hermit Thrush					1			7	2	2	1	3		1
American Robin	31	2	6	20	49	7		683	30	5	3	275	82	176
Varied Thrush					CW									
Gray Catbird														
Curve-billed Thrasher														
Brown Thrasher	CW			1				1						
Northern Mockingbird	2		4	8	4			13	9	25		4	5	5
European Starling	374	4747	559	357	490	4526	2440	1214	386	719	13	1405	481	282
Cedar Waxwing	9		5	45	19	6	6	500	26	91		332	72	92
House Sparrow	89	226	193	103	27	167	260	207	53	49		326	157	243
American Pipit								3		24				
House Finch	60	42	8	23	23	4	7	117	15	10		155	26	67
Purple Finch			3		1			94	3	24		16	7	7
Pine Siskin	5	24			2	28	11	28		44	11	125	15	14
American Goldfinch	55	7	63	40	39	130	6	247	93	61	7	379	115	87
Lapland Longspur	10	102				4	185						350	52
Chestnut-collared Longspur														
Smith's Longspur														
longspur species														
Lark Bunting														
Field Sparrow			1			5		4		3				
Fox Sparrow	4				3			8	4	23		2	3	3
American Tree Sparrow	35	161	425	290	194	1136	129	278	124	47	70	722	438	302
Dark-eyed (unidentified) Junco	191	224	551	12	156	821	31			559	209	306		12
Slate-colored Junco		118		158	305	236	157	1166	327		74	1337	432	182
Oregon Junco					2	1	2				1	12	7	
Pink-sided Junco						1	2							
Gray-headed Junco														
Yellow-eyed Junco														
White-crowned Sparrow	44	40	9	24	12	41	11	40	11	64	3	22	54	23
Harris's Sparrow	166	30	115	48	60	143	30	207	22	15	8	389	262	83
White-throated Sparrow	1		14	1				149	57	45		46	1	12
Vesper Sparrow														
LeConte's Sparrow								1						
Savannah Sparrow								1		20				5
Song Sparrow	40	29	44	13	35	85	10	287	25	143	9	87	37	22
Lincoln's Sparrow	4							4	1			7		
Swamp Sparrow			1		1	1		38	1	8				6
Rufous-crowned Sparrow														
Spotted Towhee	5	2		1	8	11		6	3		3	17	13	6
Eastern Towhee														
Eastern Meadowlark	3		6	35	7	7		8	1	21		150	66	3
Western Meadowlark	3	993	5	9	1	279	23	30	30	5	6	124	5	
<i>Sturnella</i> species	551	726	246	49	139	56	321	188	25	27	59	423	533	111
Baltimore Oriole														
Red-winged Blackbird	1019024	2614	98	817	10333	1560	1000	764	609	16575		420	197	3455
Brown-headed Cowbird	1022	1054	8	45	1	20000	143	5	3	13		2	9	6
Rusty Blackbird	6			7	10		2		14	8		42	80	
Brewer's Blackbird	1			7	10	150				4			4	15
Common Grackle				3	2	40		6	40	564		2		3
Great-tailed Grackle							8			1194				
blackbird species	61950	165		2						425				
Orange-crowned Warbler														
Common Yellowthroat										2				
Palm Warbler			1									1		
Yellow-rumped Warbler - Myrtle	1			2	5	1		26	7	49		9		6
Northern Cardinal	120	9	113	63	49	125	9	368	126	171	20	441	121	154
<b>Total Species</b>	69	52	79	83	75	86	62	102	78	103	59	95	81	90
<b>Total Individuals</b>	1091704	13592	11154	33584	15336	32354	22851	22352	33472	27843	7329	46218	12172	9072

Table 1. 2020-2021 KOS CBC. Species	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Mary	Salina	Sawyer	Scott Lake	Sedan	SE KS Mined	Syracuse	Tallgrass Nat. Pre.
Snow Goose	65	12	2941	5267	28000	2	53260	4	10898	6		1	12089	64
Ross's Goose				100	525	2	5		3				CW	
Greater White-fronted Goose			4	805	411	110		2	6	2				9
Cackling Goose	152		11	8	490	300	18	576	72	28		3	208	19
Canada Goose	1912	250	1487	580	1020	197	1490	1167	208	3586	386	227	1115	736
Cackling/Canada Goose														
Mute Swan				85			4				19	10		
Trumpeter Swan				4	41									
Tundra Swan														
Wood Duck								5	2			1		
Blue-winged Teal		2			3									
Northern Shoveler	14	2	38	120	98			17	5	3	65	4		88
Gadwall	74	20	95	79	5	48	17	18	39		49	2	CW	8
American Wigeon			10	1	271	46		2	3		4		28	
Mallard	188	688	470	12165	6052	112	450	302	8	69	115	158	400	230
American Black Duck														
Northern Pintail		CW	22	151	530			1		7		1	CW	
Green-winged Teal		CW	15	460	415	150	20	2	CW			1	CW	
Canvasback		19	100	100	22	4		1	2				1	
Redhead	18	26	4	5	4	10				1				
Ring-necked Duck	118	2	44	255	19	126	12	20			23	1	CW	6
Greater Scaup														
Lesser Scaup	3	2		20	45	24	17	8	16					
White-winged Scoter														
Black Scoter														
Long-tailed Duck					1									
Bufflehead		CW	24	21	33			4			1		2	1
Common Goldeneye	3	16	177	15	56	4	39	8						175
Hooded Merganser	23	43	49	8	41		14	15			6		1	
Common Merganser		70	20		72	3	249	8			5		1	
Red-breasted Merganser			3	CW	1									
Ruddy Duck	6			146	66									
duck species	6						5	142						22
Northern Bobwhite		12	20	2	23	17	48	24	80		18	1	21	46
Scaled Quail													33	
Wild turkey	19	12	79		117	88	112	38	40	215		41		
Greater Prairie-Chicken							25	14						
Lesser Prairie-Chicken														12
Ring-necked Pheasant		2	1		4				2	4			11	
Pied-billed Grebe	17		3	10	1	12			6		6	8	3	5
Horned Grebe														
Eared Grebe								1						
Rock Pigeon	82	16	55	15	3	21	76	231	3	133	46		148	8
Eurasian Collared-Dove			13	3	2	26	26	28	39	3774	7	18	151	11
White-winged Dove										2				
Mourning Dove	22	39	102	26	8	91	165	153	179	5	70	183	85	
Greater Roadrunner						2			2					
Virginia Rail					2	4			1	1				
American Coot	4		29	99	CW			7		1		4		
Sandhill Crane					12805	815								
American Avocet					2									
Killdeer		CW	2	14	1									
Dunlin					1									
Long-billed Dowitcher					3							1		
Wilson's Snipe				27	2					1		1		1
Greater Yellowlegs					13									
Bonaparte's Gull			4		1									
Ring-billed Gull	113	46	585	93	50		7	75	CW		1		CW	
Herring Gull			10					1					CW	
Iceland Gull														
Lesser Black-backed Gull														
gull species		135	65											
Pacific Loon														
Common Loon		CW	1											
Yellow-billed Loon														
Double-crested Cormorant			2	76	1									
Neotropic Cormorant														
American White Pelican		1	158	12	11									
Great Blue Heron	5	3	19	19	21	3	4	9	4	2	7	8	2	2
Black-crowned Night-Heron														
White-faced Ibis											40			
Black Vulture														
Turkey Vulture														
Osprey														
Golden Eagle										1				
Northern Harrier	1	10	10	14	130	23	24	20	25	12	15	16	15	15
Sharp-shinned Hawk	1	CW	6	1	3	3	1	4		5		1	1	
Cooper's Hawk	1	1	4	1	5	3	3	3	3	3		2		
Northern Goshawk						1								
Accipiter species										1				
Bald Eagle	8	11	34	13	76	2	39	4	2		20	17	2	11
Harris's Hawk														
Red-shouldered Hawk	2		14	9		3	1		1		9	7		
Red-tailed Hawk	40	51	124	65	122	70	131	108	55	21	72	93	18	26
Red-tailed (Harlan's) Hawk	1	6	2	3	8	2		1			1	3		
Rough-legged Hawk		6	1	1	10	3	7	2	2	4	2	1	12	3
Ferruginous Hawk					1	1				2			13	
Buteo species		4	2			3		12			1	1		
Barn Owl				2										
Eastern Screech-Owl	1				1	2							3	
Great Horned Owl	2	CW	2	2	6	1	3	1	2	7		3	7	
Barred Owl	3	2	13	3	1		4	2	2			4		1
Long-eared Owl			1				CW							
Short-eared Owl					1		2	1				2		
Belted Kingfisher	10		1	4		5	6	4	6	3	4	8	3	5
Red-headed Woodpecker			14	26							40	27		
Red-bellied Woodpecker	56	15	71	30	7	28	65	43	13	6	29	66	1	8
Yellow-bellied Sapsucker	3	2	5	6		1	1	1	2	1	3	5		3
Downy Woodpecker	48	12	74	11	8	14	45	27	12	17	19	35	4	12

Table 1. 2020-2021 KOS CBC.

Species	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Mary	Salina	Sawyer	Scott Lake	Sedan	SE KS Mined	Syracuse	Tallgrass Nat. Pre.
Hairy Woodpecker	10	1	3		6	11	7	6	1	7	3	7	1	2
Northern Flicker Unidentified	7	6	46	33	65	34		16	13	26	10	46	9	17
Northern Flicker Yellow-shafted	39	8		3	16	18	60	1	2	2	14	5	3	4
Northern Flicker Red-shafted			3		4	17	1		2	18			7	
Pileated Woodpecker	7		4	2		3	5				5	9		1
American Kestrel	4	1	16	11	37	19	16	21	2	5	18	25	7	3
Merlin		CW	4		9	3	2		1	3	2	1	1	
Peregrine Falcon														
Prairie Falcon				CW	2	3	3	1	4	1			3	1
<i>Falco</i> species														
Eastern Phoebe				1					1		1		CW	
Say's Phoebe														
Loggerhead Shrike	1		2	5	7	1	1	1	2		1	7	1	1
Northern Shrike					CW	1					1		1	
Blue Jay	177	34	184	91	1	5	40	38	6	1	186	199	2	7
Woodhouse's Scrub Jay													2	
Black-billed Magpie													9	
American Crow	131	4406	757	132	22	313	194	144	44		544	287		24
Common Raven													11	
Horned Lark		4	22	23	22	1	386	39	731	99	22	136	172	15
Barn Swallow														
Carolina Chickadee				23		21			10		49	91		
Black-capped Chickadee	202	28	122				86	103	9			1		30
Mountain Chickadee														
Tufted Titmouse	93	8	63	28		6	31	12	14		30	59		6
Red-breasted Nuthatch			2			1	1	4	1	11				
White-breasted Nuthatch	49	5	48	5	6	6	27	40	25	15	20	10		2
Brown Creeper	5		4	2		1	1	1		2	2	1		
Rock Wren						1				1				
House Wren														
Winter Wren			6	4		2	2	2	4		6	3		
Sedge Wren				1	CW									
Marsh Wren				5	4	13		2	6	5		4	3	
Carolina Wren	53	5	75	20	1	28	31	42	16		45	54		13
Bewick's Wren			2			2								
Golden-crowned Kinglet	9	2	11	1	2		3	4				2		
Ruby-crowned Kinglet	6	2	3			6		6	3			2		
Eastern Bluebird	87	18	155	35	5	52	37	16	28	18	44	83	10	27
Mountain Bluebird						159			81	4			2	
Townsend's Solitaire						4				26			1	
Hermit Thrush		1		4		1	1				4	2		
American Robin	1146	CW	569	21	54	1388	25	17	35	243	5	32	6	4
Varied Thrush														
Gray Catbird										1			1	
Curve-billed Thrasher													1	
Brown Thrasher												1		
Northern Mockingbird	15		33	26	3	2	3	1	2		11	33	1	
European Starling	132	CW	583	125	1450	352	1412	3414	105	908	153	397	6590	153
Cedar Waxwing	120	25	149			7	6	22	1	12		16		16
House Sparrow	12	10	108	27	24	72	243	184	110	690	34	50	305	56
American Pipit				3										
House Finch	32	20	27	9	7	41	60	11	43	199	10	10	8	2
Purple Finch	11		22	3		21		2	CW	3	9	8		
Pine Siskin		387	7	8	3	38		67		52	4	1	114	1
American Goldfinch	153	79	163	71	94	59	68	48	21	4	24	87	21	28
Lapland Longspur		19		20	422		43	1	876	1442		473	124	2
Chestnut-collared Longspur														
Smith's Longspur				2								6		
longspur species														11
Lark Bunting													2	
Field Sparrow	1	1	4	4	22	11	3		11		13	3		1
Fox Sparrow		5	5	4	4	19	2	6		2	3	8		6
American Tree Sparrow	127	502	218	26	1511	81	1160	313	126	5	17	72	58	144
Dark-eyed (unidentified) Junco				297	457				393	301	18	391	208	71
Slate-colored Junco	650	488	1135		442	296	870	205	85	11	478	39		37
Oregon Junco			1		4	4			4	31		1		
Pink-sided Junco					1	2				2				
Gray-headed Junco														
Yellow-eyed Junco										CW				
White-crowned Sparrow	19	69	33	116	64	90	19	61	85	12	33	216	214	
Harris's Sparrow	12	182	138	83	273	93	199	202	171	6	107	62		21
White-throated Sparrow	63	7	39	36	1	1	5	3	2		21	93		
Vesper Sparrow									1					
LeConte's Sparrow												1		
Savannah Sparrow			1	66	5	4					21	155		
Song Sparrow	73	144	59	106	73	96	34	63	131	13	49	141	20	12
Lincoln's Sparrow		2	1	7	1	2					2	5		
Swamp Sparrow	10	2		89	1	4			1		1	60		
Rufous-crowned Sparrow						2				1				
Spotted Towhee		7	1		1	10	3	6	1	16	6	2	5	2
Eastern Towhee														
Eastern Meadowlark	4		25	29	13	18	22	14	4		180	204		1
Western Meadowlark		2	3	30	92	28	21	266	12	77	3	17	204	
<i>Sturnella</i> species		78	179	166	517	138	772	215	1324		85	393	58	12
Baltimore Oriole	1													
Red-winged Blackbird	62	30	556	1993	15700	1952	502	3049	8730	467	215	1478	1307	4
Brown-headed Cowbird		1		191	75	47	4	30	12		4	475		
Rusty Blackbird			48	30			4							
Brewer's Blackbird					206	39		10	697		21	130	5	
Common Grackle				27				5			1550	13	1	
Great-tailed Grackle								170		5				
blackbird species			55	272							30	440		15
Orange-crowned Warbler														
Common Yellowthroat				1								1		
Palm Warbler														
Yellow-rumped Warbler - Myrtle	49	9	7		1	24		1	15		18	15		1
Northern Cardinal	127	68	176	102	25	74	274	146	61	20	67	186	CW	24
<b>Total Species</b>	68	66	95	97	97	95	78	88	80	67	75	90	65	60
<b>Total Individuals</b>	6720	8204	12817	25401	73420	8129	63084	12147	25808	12690	5282	7714	23888	2292

**Table 1. 2020-2021 KOS CBC.**

<b>Species</b>	<b>Topeka</b>	<b>Waconda Lake</b>	<b>Wakefield</b>	<b>Webster Reservoir</b>	<b>Wichita</b>	<b>Wilson Lake</b>	<b>Yoder</b>	<b>TOTALS</b>
Snow Goose	1	10250	310	200000	109	50	10000	473772
Ross's Goose	1	3		20000	2			21622
Greater White-fronted Goose				30	104	25		4005
Cackling Goose	106	2	45	200	9097	27		18241
Canada Goose	6330	45	732	1540	10702	400	100000	183236
Cackling/Canada Goose								1291
Mute Swan	2							2
Trumpeter Swan								199
Tundra Swan								45
Wood Duck	4				59			104
Blue-winged Teal								8
Northern Shoveler	10	352	43	40	185	10		3041
Gadwall	28	1	2	7	104	13	12	2453
American Wigeon				15	37	302		1040
Mallard	602	1107	1280	45000	814	1288	3	89573
American Black Duck								CW
Northern Pintail	2	32	2	85	7	31		1364
Green-winged Teal	10	374	110	36	64	42	20	3218
Canvasback	17				187			408
Redhead		2		2	102	1		349
Ring-necked Duck	12	2		12	133	CW		1340
Greater Scaup					15		7	34
Lesser Scaup	91	1	40	26	63	7		638
White-winged Scoter								1
Black Scoter								2
Long-tailed Duck						5		7
Bufflehead	33	87	8	13	121	41		663
Common Goldeneye	109	301	136	76	449	2025		6831
Hooded Merganser	72	26	18	21	344	131		1519
Common Merganser		19	28	5	7	35		1850
Red-breasted Merganser					3			22
Ruddy Duck	22		3		107	1		518
duck species						68		5901
Northern Bobwhite			60	1		19		890
Scaled Quail								33
Wild turkey	17		100	5	23	1		1944
Greater Prairie-Chicken			25					134
Lesser Prairie-Chicken								12
Ring-necked Pheasant		8		3		6	2	99
Pied-billed Grebe	7	1	1	2	26	11		223
Horned Grebe								1
Eared Grebe								3
Rock Pigeon	301	19	6	94	449	25	7	5988
Eurasian Collared-Dove	35	6	4	40	20	64	12	7786
White-winged Dove				1	10		28	390
Mourning Dove	234	1	20	22	171	43		3473
Greater Roadrunner								5
Virginia Rail						2		12
American Coot	39	41		15	108	224		2241
Sandhill Crane								16099
American Avocet								2
Killdeer	3		3		31			72
Dunlin								1
Long-billed Dowitcher								3
Wilson's Snipe					9			45
Greater Yellowlegs								13
Bonaparte's Gull		34						149
Ring-billed Gull	110	624	177	4	775	420	7	15214
Herring Gull		19	1	3	9	11		276
Iceland Gull								2
Lesser Black-backed Gull								2
gull species							43	384
Pacific Loon						1		1
Common Loon			2			10		25
Yellow-billed Loon						1		1
Double-crested Cormorant		1		1	480	2		1823
Neotropic Cormorant					1			1
American White Pelican		103	2	1				1001
Great Blue Heron	6	1	2	13	41	12	7	587
Black-crowned Night-Heron					1			2
White-faced Ibis								3
Black Vulture								40
Turkey Vulture								1
Osprey								1
Golden Eagle							1	3
Northern Harrier	4	8	20	19	1	38	33	919
Sharp-shinned Hawk	3			2	2	2	3	82
Cooper's Hawk	8			1	12	4		110
Northern Goshawk								2
Accipiter species					1			4
Bald Eagle	9	1	9	37	4	6	2	644
Harris's Hawk								1
Red-shouldered Hawk	15		2		2		1	190
Red-tailed Hawk	85	21	51	48	48	80	46	3175
Red-tailed (Harlan's) Hawk				1	1			70
Rough-legged Hawk	1		6	1		5	2	182
Ferruginous Hawk						2	1	35
Buteo species							2	37
Barn Owl	1							9
Eastern Screech-Owl		3		7	2	2		47
Great Horned Owl	5		1	6	5	8	1	170
Barred Owl	2		3		2	1		113
Long-eared Owl						1		5
Short-eared Owl								27
Belted Kingfisher	9	2	4	7	10	4	2	187
Red-headed Woodpecker								364
Red-bellied Woodpecker	94	12	20	12	41	14	6	1607
Yellow-bellied Sapsucker	8		1		2	2		92
Downy Woodpecker	62	6	22	10	61	16	12	1269

Table 1. 2020-2021 KOS CBC.	Topeka	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	TOTALS
Species	Lake	Lake	Reservoir	Lake	Lake	Lake		
Hairy Woodpecker	5	3	1	6	5	8	7	231
Northern Flicker Unidentified	62	4	30	20	27	41	33	1084
Northern Flicker Yellow-shafted			5	3	9	2	6	605
Northern Flicker Red-shafted			1		8	1		141
Pileated Woodpecker	3						1	142
American Kestrel	12		3	22	9	29	6	641
Merlin	1	1		1		3		59
Peregrine Falcon	1							2
Prairie Falcon		1	1	4		3	2	66
<i>Falco</i> species								1
Eastern Phoebe								6
Say's Phoebe				1				1
Loggerhead Shrike			1			5		76
Northern Shrike				6		1		17
Blue Jay	299	1	32	3	139	2		3390
Woodhouse's Scrub Jay								8
Black-billed Magpie				CW				82
American Crow	361		273	15	1932	45	34	23391
Common Raven								11
Horned Lark	10	52	12	40	2	CW	177	5303
Barn Swallow								1
Carolina Chickadee								233
Black-capped Chickadee	214	2	31	3	159	14	48	2482
Mountain Chickadee								3
Tufted Titmouse	115		6		31		1	1288
Red-breasted Nuthatch	12		1	5	12	4	1	196
White-breasted Nuthatch	65	7	4	9	14	5	3	953
Brown Creeper	11	2	1		12			104
Rock Wren								2
House Wren							1	2
Winter Wren	5		3	2	2	1		92
Sedge Wren								4
Marsh Wren	1		2	4		5		76
Carolina Wren	62	9	6	1	59	5	5	1297
Bewick's Wren						1		6
Golden-crowned Kinglet	4		1		7	2	3	156
Ruby-crowned Kinglet	4			1	5	1		85
Eastern Bluebird	157	4	20	9	48	3	10	2099
Mountain Bluebird						27		273
Townsend's Solitaire						4		45
Hermit Thrush	5				3			42
American Robin	1085	2	69	21	63	2	31	7220
Varied Thrush								CW
Gray Catbird								2
Curve-billed Thrasher								1
Brown Thrasher	CW							4
Northern Mockingbird	10		3		3			286
European Starling	504	392	346	675	1266	395	1300	59035
Cedar Waxwing	34		32		100	CW	13	2329
House Sparrow	385	105	27	240	160	320	54	8790
American Pipit								30
House Finch	200	12	31	24	125	94		2211
Purple Finch	30		6		1	2		359
Pine Siskin	13	20	4	64	36	6	40	2361
American Goldfinch	141	16	119	95	97	250	22	3911
Lapland Longspur				40		332		19431
Chestnut-collared Longspur								1
Smith's Longspur								17
longspur species								11
Lark Bunting								3
Field Sparrow	11		2	1	3	14	33	158
Fox Sparrow	2		5		11	4		158
American Tree Sparrow	121	234	391	530	31	1270	216	16159
Dark-eyed (unidentified) Junco	893	166	140	140	337	220	341	10272
Slate-colored Junco		12	300	175	199	780	146	13164
Oregon Junco		1		6		6		125
Pink-sided Junco						5		26
Gray-headed Junco								1
Yellow-eyed Junco								CW
White-crowned Sparrow	34	8	137	26	12	6	41	2740
Harris's Sparrow	168	88	341	28	190	145	301	5366
White-throated Sparrow	74		4		59		33	917
Vesper Sparrow								1
LeConte's Sparrow								2
Savannah Sparrow								324
Song Sparrow	99	39	126	30	67	65	47	2717
Lincoln's Sparrow	2				1			42
Swamp Sparrow	1		4		3			234
Rufous-crowned Sparrow								3
Spotted Towhee	9	10	12	4	14	10	1	252
Eastern Towhee								2
Eastern Meadowlark			1		1		50	1241
Western Meadowlark		58	16	988	10	492	5	5182
<i>Sturnella</i> species	339	99	131	250	81	96	498	12925
Baltimore Oriole								1
Red-winged Blackbird	232	1	720	36600	933	2355	1000	2048310
Brown-headed Cowbird	3		4	10	2	56	15	24328
Rusty Blackbird			6			1		299
Brewer's Blackbird				225	3	1	520	5299
Common Grackle	1			170			3	2770
Great-tailed Grackle					1400			9683
blackbird species							2000	70778
Orange-crowned Warbler					1			1
Common Yellowthroat								5
Palm Warbler								2
Yellow-rumped Warbler - Myrtle					19			312
Northern Cardinal	333	15	80	5	187	45	98	5032
<b>Total Species</b>	87	61	81	81	97	92	60	178
<b>Total Individuals</b>	14643	14879	6650	307966	33061	12723	117406	3281152