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THE WINTER BIRD COUNT FOR 2019-2020

Eugene A. Young¹, Max C. Thompson², and Chuck Otte³

¹*Agriculture and Biological Sciences, Northern Oklahoma College, 1220 E. Grand,
PO Box 310, Tonkawa, OK 74653-0310 (Eugene.Young@noc.edu);*

²*Southwestern College, 100 College St., Winfield, KS 67156 (Max.Thompson@sckans.edu);*

³*K-State Research and Extension, Geary County, PO Box 28,
Junction City, KS 66441(cotte@twinvalley.net).*

The Kansas Christmas Bird Count (CBC) period ran from 12 December 2019 through 12 January 2020. A total of 54 counts were conducted this year, up four from last year, and above the average of 51 since 2000, and well above the average of 35 since the inception of the KOS reporting CBCs. The average low temperature for all counts was 27°F (-2.8°C) and average high was 45°F (7.2°C) with a range of 11°F (-11.7°C, Jetmore) to 70°F (21.1°C, Clark County). The average low, the lowest temperature and the highest temperature were up from last year, while the average high was down. Only six counts (11.1%) did not reach the freezing mark, while 10 counts (19%) never dipped below freezing.

The 579 observers (average 11/count, range 1 - 40), is down from 618 last year, and slightly above the 566 average since 2000. The 261 parties (average 4.8, range 1-18) is slightly down from last year's 263 parties. As usual, state coverage was good with most physiographic provinces represented. Manhattan had the most participants with 40 (down from 43 last year) followed by Topeka with 30 (27 last year) and Lawrence with 29 (32 last year). Participants volunteered 1,792.1 party-hours (average 33.2/count), up from last year's total of 1,780.8 (average 35.6/count). They compiled 11,346.8 party-miles (average 210.1/count), a decrease from last year's 12,792.6 party miles (average 256/count). Feeder watchers remain the same as last year with 49. Feeder observation hours also dropped from a total of 117.7 last year to 95.75 this year. Owling hours and miles were both down from last year, 47.15 (58.28 last year) and 310.98 (471 last year) respectively.

The 175 species recorded this year is the fourth highest total behind 181 in 2004-2005, 180 in 2017-2018, and 176 done twice in 1999-2000 and 2015-2016. Since 2000, Kansas has averaged a respectable 166.8 species. It would have been 179 species if not for the four count week species, a Black Scoter (Wilson Lake), Dunlin

(Quivira National Wildlife Refuge, QNWR), Bushtit (Cimarron National Grassland [CNG] and Scott Lake), and Baltimore Oriole (Wichita). Counts averaged 73 species, down from 74 last year.

Remarkably, 10 (18.5%) counts had 90 or more species, though only one, Parsons, broke the century mark with 105. This was followed by: Udall/Winfield (97); Red Hills (96); Slate Creek Wetlands (93, SCW); Linn County, Melvern Reservoir, Waconda Lake, and Wichita (92); Arkansas City and El Dorado Lake (90). The Tallgrass Prairie Preserve had the fewest species with 48, followed Junction City with 49. All other counts had greater than 50 species.

The total number of individuals, 4,571,483 was a rebound from last year's total of 2,646,227, but still below the average of 5,954,577 since 2000. Only two counts recorded greater than a million birds this year: SCW with 1,512,437 (33.1% of total); and Halstead/Newton with 1,422,315 (31.1%) individuals. Eight counts had fewer than 5,000 individuals with the lowest being observed at Tallgrass Prairie National Preserve (1,191) followed by Clark County (3,025), Emporia (3,202), Junction City (3,633), Fort Riley (4,542), Leavenworth/Atchison (4,610), Southeast Kansas Mined Lands (4,819), and Baldwin (4,852).

Per the norm, the Red-winged Blackbird was the most abundant species with 2,009,366 individuals, or 44% of this year's total; and up considerably from last year's 902,723 individuals. Blackbird species had the second highest numbers with 725,190 individuals (15.9%), followed by Snow Goose with 603,660 (13.2%, all forms combined, we didn't differentiate this year), and European Starling with 247,887 (5.4%). Other species we expect with higher numbers included the Brown-headed Cowbird with 210,022 individuals (up from 3,103 last year), Canada Goose with 126,881 (up from 108,409 last year), American Crow with 111,997 (up from 8,746 last year), and Mallard with 104,151 (down from 117,754 last year).

Last year we were excited when a Blue-headed Vireo was reported in Wichita. This year, its congener, a White-eyed Vireo reported (with photos) from Waconda Lake, is just as remarkable. A Lewis's Woodpecker at CNG was an unexpected find at a residence along the edge of Elkhart. While we didn't have Lark Sparrow's this year, four Vesper Sparrows were reported (one each at Anthony and Fort Riley, two at Udall/Winfield). The Udall/Winfield birds were observed throughout the winter. Another species making its first appearance on a Kansas CBC was Black Vulture. Remarkably, 25 were observed in Sedan (wintered), and there was one observed on the Arkansas City CBC, though was actually seen in the Oklahoma portion of the count. A Turkey Vulture was also observed at Sedan. A Red-necked Grebe from Linn County was also an unusual find. Five Rufous-crowned Sparrows (two at CNG and three at Red Hills) are always a good find in winter.

Other highlight species, in taxonomic order, includes the following: three American Black Duck (one at Linn County, two at Parsons); 186 Greater Scaup, with 160 of these at Topeka; two White-winged Scoter (one each at Manhattan and

Wichita); two Long-tailed Duck at Waconda Lake; an Eared Grebe at Linn County; two Greater Roadrunner (one each at Arkansas City and Sawyer); a Franklin's Gull at Cheyenne Bottoms; California Gull at Waconda Lake; 821 American White Pelicans on 22 counts (41% of total); 13 Great Egrets (10 in Salina, 3 at Wichita); five Black-crowned Night-herons at Wichita; two White-faced Ibis at Cheyenne Bottoms; a Northern Goshawk at St. Mary's; a Peregrine Falcon at Yoder; a Chihuahuan Raven and seven Common Ravens at CNG; two Rock Wrens (one each at CNG and Red Hills); two House Wrens (one each at Anthony and SCW); four Gray Catbirds (one each at Black Wolf, Cheyenne Bottoms, Hays, and Scott Lake); three Chipping Sparrows (two at El Dorado Lake, one at Fall River; 27 LeConte's Sparrows (five counts, and a high of 16 at Parsons); a single Dickcissel at John Redmond Reservoir; and two Yellow-headed Blackbirds (one each at Cheyenne Bottoms and QNWR).

Numbers for species of conservation concern included: 77 Trumpeter Swans (down from 227 last year); 38 Greater Prairie-Chickens, the second fewest recorded since 1995 (25 in 2015-2016), a decrease from 116 last year (average 158.2/yr since 2000, 177.4/yr since 1995); and two Lesser Prairie-Chickens were recorded (average 8.3/yr since 2000, 9.4/yr since 1995) from Jetmore. The 84 Loggerhead Shrikes is an increase from 56 last year, above the average of 73 since 2000, and the 81 since 1995. The nine Northern Shrikes is a slight decrease from last year's 10, and below the average of 14 per year since 2000, and 15 since 1995. After dropping for four straight years, including zero reported last year, three Scaled Quail were recorded at CNG. The 452 Northern Bobwhite was lower than the 522 individuals last year, a decline for the fourth consecutive year, and below the averages of 777 since 2000, and 951 since 1995. Bald Eagle decreased from the 828 reported last year to 663, but still slightly above the average of 654 since 2000. Northern Harriers decreased for the second year in a row from 972 to 736, well below the 1,062 average since 2000. The 41 Ferruginous Hawks rebounded from last year's 19, which was the lowest number during the 2000's. They have averaged 56 during this same time period and 59 since 1995. Rough-legged Hawk numbers decreased for the third year in a row, from 251 reported two years ago, to 84 last year, and only 50 this year. Only two Golden Eagles were reported, the lowest recorded at least since 1995, a decrease from six last year, below the averages of 9.4 since 2000, and 10.1 since 1995. The 856 Rusty Blackbirds is up from last year's 437, and below the 964 average since 2000. The Brewer's Blackbird count of 109,537 individuals is up from last year's total of 15,518, and well above the average of 13,196 since 2000.

As a result of recent concerns over Wild Turkey populations we examined data since 2000 last year. Numbers this year, 1,800, is only slightly lower than the 1,854 reported last year. However, it is a new low since 2000, and below the average of 2,927 since then as well.

The Red-shouldered Hawk after shattering records for three consecutive years, showed a decrease from an all-time high last year of 225 to 105 this year, but still well above the average of 60 since 2000. Red-tailed Hawk (all forms) numbers declined for the second year in a row (after four years of increasing) going from 3.685 last year

to 2,504, which is below the average of 3,114.4 since 1995. Harlan's Hawk was down from last year's 103 to 76 this year. The 51 Merlins were above last year's 48. Prairie Falcons decreased for the second consecutive year, from 92, to 67, and 56 this year.

The Eurasian Collared-Dove still reigns as the most abundant dove/pigeon in Kansas this year. However, the 7,464 individuals this year were a decrease from last year's 9,347, but above the average of 4,410 since 1997-1998, and 5,070 since 2000. Eurasian Collared-Dove's continue to be reported throughout the state, and were seen on all but three counts, all from the northeast: Fort Riley (rare), Olathe (rare), and Oskaloosa/Perry Lake (rare). Fifty of the 54 counts conducted this year were also done last year, and of these 20 (40%) showed an increase this year. As usual, southwestern Kansas contains the majority of the population with the highest totals coming from CNG with 2,037 individuals (only 522 last year), but well above the average of 721/yr since 2000; Dodge City with 1,705 (1,527 last year, 622 average since 2000); Scott Lake with 1,516 (1,760 last year, 791 average since 2000); and Garden City with 1,093 (4,040 last year, and below the average of 1,519/yr since 2000).

The Rock Pigeon showed a decline from last year's 7,679 individuals to 7,332 this year. Eleven counts (up from eight last year) reported White-winged Dove, and overall numbers were up from 363 individuals last year to 405 this year. They have averaged 149/yr since 2000. As expected most come from western Kansas. CNG led with 153 individuals (only six last year) followed by Dodge City with 92 (only seven last year), Hays with 67 (zero last year), and Garden City with 48 (325 last year).

Red-headed Woodpeckers increased from 238 individuals to 372 this year, above the average of 267 per/yr since 2000. After five years of consecutive increases with record setting numbers, the 92 Pileated Woodpeckers is a decrease from last year's all-time record of 128, but still above the average of 69.2 since 2000, and 62 since 1995. The 912 Downy Woodpeckers is down from last year's 1,163 individuals, below the 1,244/yr average since 2000, and the fourth lowest total since 2000 (877 in 2008-2009, 893 in 2007-2008, 901 in 2009-2010).

Thrushes showed variation with bluebirds showing decreases and other species increases. The 2,662 Eastern Bluebirds was a decrease from last year's 3,135. Mountain Bluebirds decreased from 268 to 112 individuals. Townsend's Solitaire increased from 21 to 41 this year; Hermit Thrush increased from 38 last year to 69; and American Robins increased from 5,995 last year to 30,606 this year.

Harris's Sparrow numbers increased from last year's 7,566 individuals to 9,594, but is still below the averages of 10,373 since 2000, and 11,126 since 1995. South-central Kansas is the main wintering area and Udall/Winfield regained the high count for Harris's Sparrows with 1,784 individuals (555 last year), followed by Arkansas City with 994, SCW with 970, and El Dorado Lake with 808. Twenty-four counts (44.4% of all counts) reported Savannah Sparrows, which allowed for an all-time high of 1,191 individuals (333 average since 2000). South-central Kansas was

the hot spot with Udall/Winfield recording more than the state average with 370 (31% of total) individuals. Arkansas City with 204 individuals, SCW with 156, and Parsons with 120 also had high numbers. Combined these four counts made up 71.4% of the total.

The Northern Cardinal decreased for the second consecutive year, from 4,869 individuals to 4,151, below the average of 4,727 since 2000. The American Goldfinch increased from last year's 2,794 to 3,355, well below the average of 4,901 since 1995. Northern irruptive species were minimal this year: with 24 Red-breasted Nuthatches (207 last year); and nine Purple Finches (151 last year), well below the average of 137/yr since 2000. No Red Crossbills were reported for the second consecutive year. Pine Siskins decreased from last year's 117 to 106, well below the average of 477/yr since 2000. The House Finch numbers decreased from 2,018 individuals last year to 1,662, and below the average of 2,782 since 2000.

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 119th CBC, 30 Kansas counts were submitted to Audubon, which was 60% of the total counts conducted last year (Young, E.A., M.C. Thompson, C. Otte, B. Otto. 2019. The Winter Bird Count for 2018-2019. Kansas Ornith. Soc. Bull. 70[1]:1-24; and National Audubon Society. 2019. Summary of the 119th Christmas Bird Count, 2018-2019. Web page: <https://www.audubon.org/summary-119th-christmas-bird-count-2018-2019>. Accessed 28 March 2020). High national counts from Kansas included only two species: 5,442 Lapland Longspur at Dodge City; and 575 Harris's Sparrow at QNWR, one of the few times Udall/Winfield didn't lead the nation (Ortego, B. 2019. 119th United States CBC Highest Counts of Individuals. Web page: <https://www.audubon.org/news/119th-united-states-cbc-highest-counts-individuals>. Accessed 28 March 2020).

COUNT DATA

Anthony. 37.151900° N -98.066600° W. Center as described in 2020, where Bluff Creek crosses Hwy 2. 19 December 2019; 8:00 a.m. to 5:00 p.m.; 29° F to 55° F. Wind S 7 to 18 mph. Still water partly open, moving water partly open; cloud cover, a.m. 0-25%, p.m. 0-25%. Seven observers in 4 parties, plus two at feeders. Total party-hours 29.25 (3.25 on foot, 26 by car), plus three hours at feeders. Total party-miles 271.5 (2.5 on foot, 269 by car). Total 73 species; 34,241 individuals.

Tom Ewert, Elsie Fisher, Kevin Groeneweg, Karl Herold, Mary Herold (compiler-herold4us@gmail.com), Janet Krack, Dan Larson.

Arkansas City. 37.038346° N -97.039315° W. Center as described in 1978. 21 December 2019; 8:00 a.m. to 5:30 p.m.; 39° F to 50° F. Wind S to SSW 0-8 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 0-25%. Seven observers in 4 parties. Total party-hours 31 (9 on foot, 22 by car), plus 1 hour owling. Total party-miles 199.5 (8 on foot, 191.5 by car), plus 15 miles owling. Total 90 species; 13,033 individuals.

Kevin Groeneweg, Patty Marlett, Faith Queen, Dave Reed, David Seibel, Shawn Silliman, Eugene Young (compiler-eugene.young@noc.edu).

Baldwin. 38.782355° N -95.269002° W. Center as described in 1986. 15 December 2019; 7:30 a.m. to 4:30 p.m.; 23°F to 26°F, Wind E-NE 0-13mph. Still water open, moving water open; cloud cover, a.m. overcast, heavy snow, p.m. overcast, heavy snow. Snow 4 inches. Nine observers in 5 parties, plus 2 at feeders. Total party-hours 28 (4.5 on foot, 23.5 by car), plus 1 hour at feeders, plus 1.5 hours owling. Total party-miles 184.5 (2 on foot, 182.5 by car), plus 4.5 miles owling. Total 74 species; 4,850 individuals.

Dan Broers, Bill Busby, Cal Cink (compiler-calvincink@fac.bakeru.edu), Joe Hoelscher, Scott Kimball, Becky McMillen, Danny McMillen, Barbara Pressgrove, Martin Pressgrove, Gary Sanden, Cordy Wesonig.

Benedictine Bottoms. 39.609167° N -95.134161° W. Center as described in 2006. 4 January 2020; 7:30 a.m. to 4:30 p.m.; 25°F to 44°F. Wind W 5-10 mph. Still water open, moving water open; cloud cover, a.m. 0-25%, p.m. 0-25%. Four observers in 3 parties. Total party-hours 20 (6 on foot, 14 by car), plus 0.25 hours owling. Total party-miles 118.9 (3.7 on foot, 115.2 by car), plus 1 mile owling. Total 59 species; 7,360 individuals.

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

Black Wolf. 38.769021° N -98.362339° W. Center as described in 1993. 12 January 2020; 7:30 a.m. to 6:00 p.m.; 19°F to 33°F. Wind SE to S 5-15 mph. Still water partly open, moving water partly open; cloud cover a.m. overcast, light rain, p.m. overcast. Eleven observers in 4 parties, plus 1 at feeders. Total party-hours 20 (3 on foot, 17 by car), plus 1 hour at feeders, plus 1 hour owling. Total party-miles 213 (2 on foot, 211 by car), plus 4 miles owling. Total 73 species; 16,628 individuals.

Henery Armknecht, Ted Cable, Brent Galliard, Leon Hicks, David Klema, Bob Kruger, Robert Penner, Beth Ptacek, Ellen Rader, Mike Rader (compiler-mike_rader@hotmail.com), Roger Schultz, Carolyn Schwab.

Bonner Springs/Lansing. 39.179439° N -94.900504° W. Center as described in 1995. 15 December 2019; 7:00 a.m. to 4:00 p.m.; 27°F to 24°F. Wind N 0-10 mph. Still water open, moving water open; cloud cover, a.m. overcast, light snow, p.m. overcast, heavy snow. Snow 4 inches. Five observers in 4 parties, plus 2 at feeders. Total party-hours 18.5 (2 on foot, 16.5 by car), plus 3.5 hours at feeders. Total party-miles 142 (1 on foot, 141 by car). Total 65 species; 6,049 individuals.

John Bollin, Malcolm Gold, Alan Myers, Galen Pittman (compiler-galenpitt@gmail.com), John Schukman.

Cedar Bluff. 38.786500° N -99.757826° W. Center as described in 1985. 22 December 2019; 7:30 a.m. to 5:30 p.m.; 26°F to 68°F. Wind S to SW 5-10 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Four observers in 2 parties. Total party-hours 14.5 (4 on foot, 10.5 by car), plus 0.5 hours owling. Total party-miles 170.5 (2.5 on foot, 168 by car), plus 10 miles owling. Total species 62; total individuals 11,523.

Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Kurt Meier, Sara Shane, Tom Shane.

Cheyenne Bottoms. 38.434582° N -98.682986° W. Center as described in 2014. 16 December 2019; 8:00 a.m. to 4:30 p.m.; 20°F to 32°F. Wind N to NW 5-12 mph. Still water partly open, moving water partly open; cloud cover a.m. 76-95%, p.m. 0-25%. Snow 1 inch. Fifteen observers in 6 parties. Total party-hours 30 (0.5 on foot, 29.5 by car), plus 1 hour owling. Total party-miles 341.25 (0.25 on foot, 341 by car), plus 3 miles owling. Total 86 species; 211,217 individuals.

Levi Beaver, Karole Erikson, Katya Frank, Barry Jones, Mandy Kern, Pam Martin, Jay Miller, Robert Penner, Mike Rader, Keith Reif, Gene Schneweis, Kim Schneweis, Kassie Sheridan, Jason Wagner, Curtis Wolf (compiler-cjwolf@fhsu.edu).

Cimarron National Grasslands. 37.117119° N -101.896033° W. Center as described in 2015. 28 December 2019; 8:00 a.m. to 5:00 p.m.; 27°F to 35°F. Wind NW 14 to 36 mph. Still water open, moving water none; cloud cover a.m. foggy, 51-75%, p.m. 76-95%. Three observers in 2 parties. Total party-hours 17 (4 on foot, 13 by car). Total party-miles 178.5 (3.5 by foot, 175 by car). Total 52 species; 6,502 individuals.

Max Thompson (compiler-maxt@cox.net), Jimmy Woodard, Eugene Young.

Clark County. 37.398144° N -99.913001° W. Center as described in 2010. 24 December 2019; 7:45 a.m. to 5:15 p.m.; 34°F to 70°F. Wind SW 0 to 15 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 26-50%. One observer in 1 party. Total party-hours 9.5 (1 on foot, 8.5 by car), plus 0.5 hours owling. Total party-miles 138 (1 on foot, 137 by car), plus 13 miles owling. Total 51 species; 3,025 individuals.

Galen Pittman (compiler-galenpitt@gmail.com).

Council Grove. 38.685573° N -96.506701° W. Center as described in 2010. 4 January 2020. 7:25 a.m. to 4:15 p.m.; 26°F to 46°F. Wind S to N 0-5 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Nine observers in 4 parties, plus 2 at feeders. Total party-hours 34 (9 on foot, 25 by car), plus 3 hours at feeders, 1 hour owling. Total party-miles 215 (15 on foot, 200 by car), plus 5 miles owling. Total 85 species; 15,362 individuals.

Glenn Caspers, Jessica Hastings, Steve Howard, Dana Howard, Steve Jennings, Jim Malcom (compiler-iambirding@prodigy.net), Elmer Schroeder, Justin Schroeder, Katherine Schroeder.

Dodge City. 37.777060° N -100.012287° W. Center as described in 1985. 2 January 2020; 8:00 a.m. to 5:30 p.m.; 30°F to 47°F. Wind N to NW 10-20 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 51-75%. Sixteen observers in 4 parties, plus 3 at feeders. Total party-hours 31.5 (10.5 on foot, 21 by car), plus 5 hours at feeders, plus 1.5 hours owling. Total party-miles 295.5 (7.5 on foot, 288 by car), plus 20 miles owling. Total 63 species, 58,981 individuals.

Irma Ailon, Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Tom Ewert, Colton Farra, Kevin Groeneweg, Dan Larson, Annia Llamas, Christi McMillen, Kurtis Meier, Eduardo Orono, Sara Shane, Tom Shane, Bill Turner, Mike Umschied, Cassie Wells.

El Dorado Lake. 37.841944° N -98.818611° W. Center as described in 2003. 17 December 2019; 8:15 a.m. to 4:15 p.m.; 12°F to 38°F. Wind W to N 3 to 10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 3 inches. Ten observers in 5 parties, plus 1 at feeders. Total party-hours 35.5 (8.5 on foot, 27 by car), plus 0.5 hour at feeders, plus 1 hour owling. Total party-miles 321.66 (8.96 on foot, 312.7 by car), plus 1 mile owling. Total 90 species, 18,989 individuals.

Vanessa Bergman, Vickie Cikanek, Tom Ewert, Kevin Groeneweg, Charley Green, Bill Langley, Patty Marlett, Jim Nickel, Atcha Nolan (compiler-qanolan1942@gmail.com), Mike Nolan, Carolyn Schwab.

Emporia. 38.448579° N -96.079284° W. Center as described in 1985. 15 December 2019; 7:30 a.m. to 5:00 p.m.; 25°F to 32°F. Wind NE to N 10 mph. Still water partly open, moving water open; cloud cover a.m. overcast, heavy snow, p.m. overcast, light rain. Snow 4 inches. Four observers in 2 parties, plus 2 at feeders. Total party-hours 12.5 (10.75 on foot, 1.75 by car), plus 5 hours at feeders, plus 1 hour owling. Total party-miles 44 (4 on foot, 40 by car), plus 6 miles owling. Total 66 species; 3,202 individuals.

Roger Furgeson, Sherry Furgeson, Bill Jensen (compiler-wjensen1@emporia.edu), Alexis Powell, Bethany Robertson, Kylee Sharp.

Fall River. 37.609012° N -95.996906° W. Center as described in 2011. 19 December 2019; 6:30 a.m. to 4:30 p.m.; 23° to 57°F. Wind S to SW 10-20 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 4 parties. Total party hours 27 (4.5 miles on foot, 22.5 by car), plus 2.5 hours owling. Total party-miles, 187.5 (4.5 miles on foot, 183 miles by car), plus 20.8 miles owling. Total species 87; total individuals 12,106.

Henry Armknecht, Andrew Burnett, Vickie Cikanek (compiler-vickie.cikanek@ks.gov), Bob Culbertson, Ed Miller, Kelley Newman, Luke Westerman.

Fort Riley. 39.160000° N -96.775000° W. Center as described in 2008. 13 December 2019; 6:30 a.m. to 3:30 p.m.; 28°F to 53°F. Wind SW to W 0-2 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 26-50%. Ten observers in 7 parties. Total party-hours 44 (11.5 on foot, 27.5 by car, 5 by UTV), plus 0.5 hours owling. Total party-miles 252 (14 on foot, 210 by car, 28 by UTV), plus 3 miles owling. Total 74 species; 4,542 individuals.

Tom Duckworth, Mike Houck (compiler-mike.p.hock.civ@mail.mil), Jeff Keating, Kelsey McCullough, Brian Monser, Derek Moon, Chris O'Meilia, Chuck Otte, Gibran Suleiman, Chris Thornton.

Garden City. 37.916637° N -100.801463° W. Center as described in 2001. 14 December 2019; 7:30 a.m. to 6:30 p.m.; 28°F to 40°F. Wind NNW to NE 5-8 mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. 0-25%. Ten observers in 7 parties, plus 8 at feeders. Total party-hours 35.8 (7 on foot, 28.8 by car), plus 13.5 hours at feeders. Total party-miles 160.6 (7 on foot, 153.6 by car). Total 65 species; 33,152 individuals.

Jeff Calhoun, Barbara Campbell, Bob Campbell, Art Nonhof, Karen Nonhof, Kurt Osterbuhr, Marie Osterbuhr, Ron Osterbuhr, Mike Ramsey (compiler-ramsey.hmbcr@sbcglobal.net), Rance Schreibvogel, Sara Shane, Tom Shane, Wendy White.

Halstead/Newton. 38.043040° N -97.472938° W. Center as described in 1970. 14 December 2019; 7:00 a.m. to 4:30 p.m.; 29°F to 40°F. Wind N to NE 5-15 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Eight observers in 4 parties. Total party-hours 31.6 (10.75 on foot, 20.85 by car). Total party-miles 250.6 (13.5 on foot, 237.1 by car). Total 54 species; 1,422,315 individuals.

Bob Dester, Gregg Friesen, Lorna Harder (compiler-lornajhh@gmail.com), Dwight Platt, Carolyn Schwab, Joe Soukup, Rod Wedel, Dick Zerger.

Hays. 38.834547° N -99.401859° W. Center as described in 1987. 14 December 2019; 8:00 a.m. to 2:00 p.m.; 21°F to 32°F. Wind E 8-13 mph. Still water partly open, moving water open; cloud cover a.m. 76-95%, p.m. 51-75%. Eleven observers in 5 parties. Total party-hours 16.75 (3 on foot, 13.75 by car). Total party-miles 148 (3 on foot, 145 by car). Total 54 species; 16,678 individuals.

Medhavi Ambardar (compiler-m_ambardar@fhsu.edu), Max Biringner, Erica Clark, Elmer Finck, Yass Kobayashi, David Levering, Chloe Musgrove, Lori Patrick, Jenn Rader, Mike Rader, Jim Strine.

Holton. 39.463006° N -95.725506° W. Center as described in 2011. 31 December 2019; 7:45 a.m. to 3:30 p.m.; 28°F to 45°F. Wind, NW to N 5-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties. Total party-hours 29.75 (1.75 on foot, 28 by car). Total party-miles 58.4 (1.4 on foot, 57 by car). Total 59 species; 11,135 individuals.

Judy Billings, Jennifer Jones, Dan Larson, Nancy Leo, Sam Mannell, Terry Mannell, Debbie McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Mark Pheasant, Janeen Walters, John Zempel, Linda Zempel.

Jetmore. 38.022688° N -99.885631° W. Center as described in 1999. 11 January 2020; 7:30 a.m. to 5:30 p.m.; 11° to 33° F. Wind NNW to SSE 5-20 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 26-50%. Five observers in 2 parties. Total party hours 14.25 (4 on foot, 10.25 by car), plus 2 hours owling. Total party miles 159.25 (6.25 on foot, 153 by car), plus 28 miles owling. Total 61 species; 5,635 individuals.

Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Franklin Guinn, Eduardo Hernandez, Barry Jones, Kurt Meier.

John Redmond Reservoir. 38.274807° N -95.820825° W. Center as described in 1993. 20 December 2019; 7:30 a.m. to 2:00 p.m.; 35°F to 55°F. Wind S 5-10 mph. Still water partly open, moving water open; cloud cover a.m. 76-95%, p.m. 26-50%. Snow 2 inches. Twelve observers in 5 parties, plus one at feeders. Total party-hours 19.5 (5 on foot, 14.5 by car), plus 1 hour owling. Total party-miles 164.5 (4.5 on foot, 160 by car), plus 5 miles owling. Total 67 species; 36,767 individuals.

Julie Carey, Bob Culbertson (compiler-bob.culbertson@kaws.org), Carol Culbertson, Wes Fleming, Brenda Futrell, Matt Gearheart, Alex Lyon, Lou Menard, Tim Menard, Ethan Newman, Kelly Newman, Dan Williamson.

Junction City. 39.000566° N -96.880836° W. Center as described in 1992. 29 December 2019; 8:00 a.m. to 3:00p.m.; 30°F to 41°F. Wind NW to W 4-23 mph. Still water open, moving water open; cloud cover a.m. 76-95%, p.m. 51-75%. Four observers in 2 parties. Total party-hours 13 (1 hour on foot, 12 hours by car), plus 0.75 hours owling. Total party-miles 171 (1 mile on foot, 170 by car), plus 15 miles owling. Total 49 species; 3,633 individuals.

Marcia Abbick, Patricia de la Rosa, Bob Kruger, Chuck Otte (compiler-cotte@twinvalley.net).

Kanopolis Reservoir. 38.609862° N -97.89526° W. Center as described in 1983. 21 December 2019; 8:00 a.m. to 4:00 p.m.; 21°F to 54°F. Wind W to SW 5-10 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 26-50%. Snow <1 inch. Five observers in 3 parties. Total party-hours 23.25 (7 on foot, 16.25 by car). Total party-miles 194 (5 on foot, 189 by car). Total 65 species; 5,266 individuals.

Dave Klema, Robert Kruger (compiler-robertkruger118@gmail.com), Robert Penner, Mike Rader, Roger Schulte.

Kirwin. 39.689633° N -99.122307° W. Center as described in 1994. 26 December 2019; 7:45 a.m. to 5:00 p.m.; 30°F to 42°F. Wind S to N 0-7 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Three observers in 2 parties. Total party-hours 16 (5.5 on foot, 10.5 by car), plus 1 hour owling. Total party-miles 165.5 (0.5 on foot, 165 by car), plus 10.8 miles owling. Total 62 species; 67,854 individuals.

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

Lawrence. 38.993330° N -95.311110° W. Center as described in 1981. 14 December 2019; 7:00 a.m. to 5:00 p.m.; 25°F to 35°F. Wind N 0-10 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Twenty-nine observers in 11 parties, plus 6 at feeders. Total party-hours 78 (39 on foot, 36 by car, 3 by ATV), plus 14 hours at feeders, plus 4.5 hours owling. Total party-miles 475 (45 on foot, 419 by car, 11 by ATV), plus 13.5 miles owling. Total 89 species; 25,978 individuals.

Bob Antonio, Jill Barringer, Kelly Barth, Bill Busby, Vanessa Carlos, Cal Cink, Wayne Dahl, Stephen DeHart, Lisa Grossman, Peter Grund, Marcia Hawk, Susan Iverson, Scott Kimball, Kathy Klache, Thomas Koffel, Matt Longabough, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Christopher Rogers, Stan Roth, Bob Rucker, Dawn Sharp, Kylee Sharp, Cordy Wesonig, Joyce Wolf, Maggie Wolf, Ron Wolf, Tom Wolf, Molly Zahn.

Leavenworth-Atchison. 39.389810° N -95.011063° W. Center as described in 1992. 28 December 2019; 7:00 a.m. to 3:00 p.m.; 40°F to 59°F. Wind S to SW 10-15

mph. Still water open, moving water open; cloud cover, a.m. foggy, overcast, light rain, p.m. overcast, heavy rain. Seven observers in 6 parties. Total party-hours 29.5 (2.5 on foot, 27 by car), plus 0.5 hours owling. Total party-miles 243.5 (2.5 on foot, 241 by car), plus 2 miles owling. Total 68 species; 4,610 individuals.

John Bollin III, Mike Bollin, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com), Brian Voorhees, John Zempel, Linda Zempel.

Linn County. 38.286910° N -94.752250° W. Center as described in 2016. 22 December 2019; 7:00 a.m. to 5:00 p.m.; 27°F to 55°F. Wind S to SW 5-12 mph. Still water partly open, moving water open; cloud cover a.m. foggy, p.m. 0-25%. Snow <1 inch. Seven observers in 4 parties. Total party-hours 26 (0.5 on foot, 25.5 by car). Total party-miles 212.5 (0.5 on foot, 212 by car). Total species 92; 5,830 individuals.

Stephanie Ferrero, Malcolm Gold, Galen Pittman, Janet Reynolds (compiler-librarygal62@yahoo.com), Rose Reynolds, John Schukman, Terry Swope.

Lovewell Reservoir. 38.84266° N -98.16503° W. Center as described in 2002. 7 January 2020; 7:30 a.m. to 5:30 p.m.; 24°F to 50°F. Wind SW to NW 0-8 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 (by car), plus 1 hour owling. Total party miles 54.2 (by car), plus 5 miles owling. Total species 58; 10,060 individuals.

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

Manhattan. 39.188659° N -96.580997° W. Center as described in 1993. 14 December 2019; 7:15 a.m. to 5:15 p.m.; 28°F to 36°F. Wind N to NE 5-15 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Forty observers in 18 parties, plus 7 at feeders. Total party-hours 96.5 (41.8 on foot, 54.7 by car), plus 10.25 hours at feeders, plus 3.4 hours owling. Total party-miles 412 (37 on foot, 375 by car), plus 8.8 miles owling. Total 88 species; 34,431 individuals.

Susan Allen, Liam Berigan, Susan Blackford, Coleen Brown, Doris Burnett, Ted Cable, Mark Clarke, Elizabeth Dodd, Kevin Faye, Clyde Ferguson, Ann Feyerharm, Kay Garrett, Gary Haden, Joe Hawes, Chod Hedinger, Angela Hubler, Jay Jeffrey, Lowell Johnson, Duane Kerr, James Koelliker, Marilynn Koelliker, Mark Mayfield (compiler-markherb@ksu.edu), Marge Meunzenberger, Bob Mohr, Lynette Muller, Daniel Peacock, Ed Pembleton, Sil Pembleton, David Rintoul, Austin Roe, John Row, Troy Schremmer, Marla Shoemaker, Dylan Smith, Gayla Snyder, Gerry Snyder, Jacque Staats, Daniel Swenson, Kathy Swenson, Carla Trecek, Elisabeth Vanderlip, Bram Verheijen, Judy Willingham, Pate Willingham, Kim With, Patricia Yeager.

Marion. 38.377227° N -97.074830° W. Center as described in 1993. 28 December 2019; 8:00 a.m. to 3:30 p.m. 32°F to 44°F. Wind NE 0-10 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. overcast, moderate snow. Snow 1 inch. Nine observers in 4 parties, plus 1 at feeders. Total party-hours 24 (5.5 on foot, 18.5 by car), plus 4 hours at feeders, plus 0.75 hour owling. Total party-miles 186.3 (7.3 on foot, 179 by car), plus 10 miles owling. Total 78 species; 8,096 individuals.

Jeremy Birket, Tom Ewert (compiler-trewert@yahoo.com), Kevin Groeneweg, Leon Hicks, Bob Hoopes, Patty Marlett, Jim Nickle, Carolyn Schwab, Rod Wedel, Gerald Wiens.

Melvorn Reservoir. 38.497600° N -95.790205° W. Center as described in 2013. 23 December 2019; 7:30 a.m. to 4:20 p.m.; 30°F to 51°F. Wind S to N 5-10 mph. Still water open, moving water open; a.m. cloud cover 0-25%, p.m. 0-25%. Six observers in 3 parties, plus 3 at feeders. Total party-hours 29 (6 on foot, 23 by car), plus 6 hours at feeders, plus 1 hour owling. Total party-miles 169 (15 on foot, 154 by car), plus 7 miles owling. Total 92 species; 13,144 individuals.

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

Olathe. 38.912700° N -94.852157° W. Center as described in 1987. 29 December 2019. 7:30 a.m. to 5:00 p.m.; 32°F to 35°F. Wind N to NW 10 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Twenty-one observers in 10 parties, plus 1 at feeders. Total party-hours 48.75 (34.25 on foot, 14.5 by car), plus 2 hours at feeders. Party-miles 187.14 (44.94 on foot, 142.2 by car). Total 70 species; 8,464 individuals.

Tony Andresen, Aaron Batterbee, Walt Cochran, Kendall Cooper, Mike Cooper, Elaine Corder, Mark Corder, Stephen DeHart, Jeff Fouquet, Jennifer Hammett, Kevin Keltner, David Kirsch, Mark Land, Micky Louis, Tami Maffitt, John Mallery, Terry Swope, Mark Tarry, Jarrett Thurman, Jeff Witters (compiler-bioguy.witters@gmail.com), Rodney Wright, Missy Yeats.

Olsburg. 39.428262° N -96.644070° W. Center as described in 1991. 20 December 2019; 7:30 a.m. to 5:00 p.m.; 38°F to 43°F. Wind SE to NNW 0-10 mph. Still water frozen, moving water partly open; cloud cover a.m. overcast, p.m. 0-25%. Snow 2-4 inches. Six observers in 3 parties. Total party-hours 26 (4 on foot, 22 by car). Total party-miles 206.5 (2 on foot, 204.5 by car). Total 57 species; 113,881 individuals.

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

Oskaloosa/Perry Lake. 39.201493° N -95.403925° W. Center as described in 1980. 15 December 2019; 7:00 a.m. to 5:00 p.m.; 23°F to 27°F. Wind NE 7-11 mph. Still water partly open, moving water open; cloud cover a.m. foggy, overcast, heavy snow, p.m., foggy, overcast, snow. Snow 0-5 inches. Fifteen observers in 6 parties. Total party hours 33 (5 on foot, 28 by car), plus 1 hour owling. Total party-miles 169 (7 by foot, 162 by car), plus 7.5 miles owling. Total 66 species; 6,505 individuals.

Bob Antonio, Pam Chaffee, Dena Friesen, Susan Iversen, Jennifer Jones, Mike Laird, Kathy McDowell, Carol Morgan, Isaac Peterson, Mark Pheasant, Marie Plinsky, Bob Rucker, Janeen Walters, Bunnie Watkins (compiler-ranger_rabbit@sbcglobal.net), Eric Youngquist.

Parsons. 37.478425° N -95.260380° W. Center as described in 1996. 21 December 2019; 6:45 a.m. to 5:15 p.m.; 32°F to 52°F. Wind S 1-5 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eleven observers in 5 parties, plus 3

at feeders. Total party-hours 48 (8 on foot, 40 by car), plus 12 hours at feeders, plus 3 hours owling. Total party-miles 185 (5 on foot, 180 by car), plus 15 miles owling. Total 105 species; 31,002 individuals.

Ximena Bagarin, Andrew Burnett (compiler-aburnett9180@gmail.com), Jeff Cox, Andrew George, Royce Guhr, Ryan Lies, Ryan McGinty, Ed Miller, Maggie Murray, Rick Tucker.

Quivira National Wildlife Refuge. 38.145925° N -98.491804° W. Center as described in 1972. 17 December 2019; 6:30 a.m. to 5:30 p.m.; 19°F to 41°F. Wind NW-W 5-15 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Twelve observers in 5 parties. Total party-hours 28 (5 on foot, 23 by car), plus 1 hour owling. Total party-miles 236 (4 on foot, 232 by car), plus 10 miles owling. Total 86 species; 16,970 individuals.

Levi Beaver, Nicole Brown, Emily Davis, Barry Jones, Mandy Kern, Rachel Laubhan, Mike Rader (compiler-mike_rader@hotmail.com), David Rintoul, Mark Rogers, Deb Williams, Curtis Wolf, Dennis Zehr.

Red Hills. 37.234191° N -98.686843° W. Center as described in 1994. 4 January 2020; 8:00 a.m. to 6:00 p.m.; 28°F to 51°F. Wind SW 0-12 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 4 parties. Total party-hours 34.5 (12.5 on foot, 22 by car), plus 2.5 hours owling. Total party-miles 237 (9 miles on foot, 228 by car), plus 15 miles owling. Total 96 species; 10,546 individuals.

Doris Burnett, Ken Brunson, Tom Ewert, Kyle Gerstner, Kevin Groeneweg, Pete Janzen (compiler-pete.janzen@sbcglobal.net), Bill Jensen, Dan Larson, Patty Marlett, Zach Poland, Jane Queal, Stan Roth, Lauren Sill, Rick Spurgeon.

St. Mary's. 39.1941° N -96.071091° W. Center as described 2017. 1 January 2020; 7:20 a.m. to 4:50 p.m.; 22°F to 57°F. Wind SE to S 10-30 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Fifteen observers in 6 parties. Total party-hours 51.5 (4 by foot, 47.5 by car), plus 1 hour owling. Total party-miles 294.9 (5.2 on foot, 289.7 by car), plus 0.03 miles owling. Total 74 species; 59,708 individuals.

Dallas Alexander (compiler-dallaspumpman1@gmail.com), Henry Armknecht, Judy Billings, Coleen Brown, Doug Helmke, Jennifer Jones, Debra McKee, Carol Morgan, Sue Newland, Mark Pheasant, Sam Schermerhorn, Tom Schermerhorn, Pat St. John, Carla Trecek, Janeen Walters.

Salina. 38.841702° N -97.630868° W. Center as described in 1983. 21 December 2019; 8:00 a.m. to 5:00 p.m.; 18° to 57°F. Wind S to N 0-6 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seventeen observers in 4 parties. Total party-hours 31 (8 on foot, 23 by car). Total party-miles 161 (1 on foot, 160 by car). Total 66 species; 15,514 individuals.

Aaron Anders, Nicole Beck, Steve Cassel, Linda Cox, Byron Grauerholz (compiler-blgrauerholz@yahoo.com), Dave Haight, Kevin Haight, Neva Heikes, Cheryl Higgins, David Higgins, Bonnie Neubrand, Mark Neubrand, Shannon Rayl, Doug Rudick, Ted Zerger.

Sawyer. 37.529075° N -98.702457° W. Center as described in 1990. 30 December 2019; 7:58 a.m. to 4:06 p.m.; 30°F to 41°F. Wind WNW to NW 12 to 25 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Sixteen observers in 4 parties. Total party-hours 19 (3.5 on foot, 15.5 by car). Total party-miles 195 (2 on foot, 193 by car). Total 63 species; 20,467 individuals.

Krystal Adelhardt, Aaron Austin, Ken Brunson, Jeff Conley, Zack Cordes, Ludi Egging, Chelsea Hofmeier, Jordan Hofmeier (compiler-jordan.hofmeier@ks.gov), Dan Larson, Tara Pagenkopf, Samantha Pounds, Jane Queal, Jeff Seim, Lauren Sill, Ariel Snyder, Ryan Waters.

Scott Lake. 38.583882° N -100.907423° W. Center as described in 1987. 21 December 2019; 7:30 a.m. to 6:54 p.m.; 15°F to 69°F. Wind S 0-8 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow trace. Eleven observers in 4 parties. Total party-hours 27.5 (14.25 on foot, 13.25 by car), plus 2 hours owling. Total party-miles 140.75 (12.25 on foot, 128.5 by car), plus 1.25 mile owling. Total 62 species; 6,441 individuals.

Coleen Brown Jeff Calhoun, Sara Carrell, Colton Fara, Kurt Meier, Mike Ramsey, Pamela Ramsey, Sara Shane, Tom Shane (compiler-tom.shane@sbcglobal.net), Carla Trecek, Cassie Wells.

Sedan. 37.145072° N -96.163494° W. Center as described in 2016. 20 December 2019; 8:15 a.m. to 4:15 p.m.; 38°F to 58°F. Wind SSE to S 8 to 12 mph. Still water partly open, moving water partly open; cloud cover a.m. 76-95%, p.m. 26-50%. Thirteen observers in 6 parties, plus 1 at feeders. Total party-hours 45.5 (5.5 on foot, 40 by car), plus 2 hours at feeders. Total party miles 274.9 (5.6 on foot, 269.3 by car). Total 79 species; 6,086 individuals.

Henry Armknecht, Kathy Carroll, Jane Doris, Tom Ewert, Kevin Groeneweg, Rose Hutton, Micky Louis, Sue Kill, Paul King, Patty Marlett, Atcha Nolan (compiler-qanolan1942@gmail.com), Carolyn Schwab, Sarah Wilkinson, Bob Zook.

Slate Creek Wetlands/Oxford. 37.232244° N -97.249507° W. Center as described 2014. 18 December 2019; 7:00 a.m. to 7:30 p.m.; 13°F to 48°F. Wind S 0-9 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 31 (6.5 on foot, 24.5 by car), plus 0.75 hours owling. Total party-miles 283 (4 on foot, 279 by car), plus 5 miles owling. Total 93 species; 1,512,437 individuals.

Henry Armknecht, Kevin Groeneweg, Dan Larson, Patty Marlett, Faith Queen, Travis Ross, 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 2020; 7:30 a.m. to 4:30 p.m.; 37°F to 57°F. Wind S 10-25 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fifteen observers in 6 parties. Total party-hours 32 (1.5 on foot, 30.5 by car). Total party-miles 220.5 (2.75 on foot, 217.75 by car). Total 57 species; 4,819 individuals.

Mavis Benner, Ray Benner, Wayne Bockelman, Ximena Bogarin, Megan Corrigan, Bob Estes, Cindy Ford, Steven Ford (compiler-sford@gus.pittstate.edu),

Chad Gardner, Andrew George, Delia Lister, Elizabeth Mangile, Robert Mangile, Ryan McGinty, Rick Tucker.

Tallgrass Prairie National Preserve. 38.434226° N -96.559501° W. Center as described in 2010. 9 January 2020; 9:00 a.m. to 5:00 p.m.; 53°F to 61°F. Wind SE to S 15-25 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Seventeen observers in 5 parties. Total party-hours 15 (12 on foot, 3 by car). Total party-miles 38.1(7.7 on foot, 30.4 by car). Total 48 species; 1,191 individuals.

Paul Adam, Susan Adam, Eric Bird, Denise Cameron, Brandon Clark, Becky Greer, Tom Gross, Garry Harter, Chris Hase, Kristen Hase (compiler-kristen_hase@nps.gov), Lisa Hoffman, Bill Jensen, Michele Kessler, Jane Long, Darin McCullough, Annie Wilson, Jera Wolke.

Topeka. 39.048198° N -95.678162° W. Center as described in 1972. 14 December 2019; 7:00 a.m. to 5:00 p.m.; 28°F to 34°F. Wind NW to N 0-10 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. overcast. Thirty observers in 10 parties, plus 3 at feeders. Total party-hours 59 (20 on foot, 39 by car), plus 4 hours at feeders. Total party-miles 349 (19 on foot, 330 by car). Total 82 species; 37,171 individuals.

Henry Armknecht, Judy Billings, Diana Busey, Deb Butz, Glen Caspers, Catherine Chmidling, Kelly Haller, Jeff Hanse, Jennifer Jones, Dan Larson, Sam Mannell, Terry Mannell, Robert McElroy, Daniel McKee, Debra McKee, Carol Morgan (compiler-crxmorgan@gmail.com), Sue Newland, Mark Pheasant, Marie Plinsky, Julia Pollom, Melody Pollom, Tara Porter, Leslie Rutschmann, Logan Smith, Vivien Smith, Jay VanBlaricum, Katie VanBlaricum, Janeen Walters, John Zempel, Linda Zempel.

Udall/Winfield. 37.264828° N -96.973753° W. Center as described in 1972. 15 December 2019; 8:00 a.m. to 5:00 p.m.; 30°F to 31°F. Wind E to N 13-12 mph. Still water open, moving water open; a.m. overcast, light drizzle, p.m. overcast, light drizzle. Twelve observers in 6 parties, plus 1 at feeders. Total party-hours 41.55 (3.75 on foot, 37.8 by car), plus 1 hour at feeders, plus 2.25 hours owling. Total party-miles 415.95 (2.15 on foot, 413.8 by car), plus 5.3 miles owling. Total 97 species; 33,921 individuals.

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

Waconda Lake. 39.466249° N -98.358460° W. Center as described in 1992. 23 December 2019; 7:30 a.m. to 5:00 p.m.; 23°F to 60°F. Wind SE 2-8 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 7 parties. Total party-hours 37.15 (8.75 on foot, 28.4 by car), plus 1.5 hours owling. Total party-miles 293.4 (7 on foot, 286.4 by car), plus 4.5 miles owling. Total 92 species; 219,516 individuals.

Henry Armknecht (compiler-armknecht@ruraltel.net), Jeff Calhoun, Kathy Carroll, James Nickel, Mike Rader, Carolyn Schwab, Scott Seltman, Steven Seltman.

Wakefield. 39.220150° N -96.966367° W. Center as described in 1993. 22 December 2019; 8:00 a.m. to 3:00 p.m.; 31°F to 56°F. Wind SW 0 to 13 mph. Still water partly open, moving water partly open; cloud cover a.m. foggy, overcast, 0-25%, p.m. 26-50%. Three observers in 2 parties, plus one at feeders. Total party-hours 12 (3 on foot, 9 by car), plus 1 hour at feeders. Total party-miles 159.5 (1.5 on foot, 158 by car). Total 58 species; 10,306 individuals.

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

Webster Reservoir. 39.423129° N -99.407639° W. Center as described in 1992. 4 January 2020; 7:30 a.m. to 6:00 p.m.; 23°F to 54°F. Wind SW to E 6-23 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Five observers in 3 parties. Total party-hours 23 (8 on foot, 15 by car), plus 0.5 hours owling. Total party-miles 212 (1 on foot, 211 by car), plus 5 miles owling. Total 75 species; 228,368 individuals.

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

Wichita. 37.691340° N -97.349680° W. Center as described in 1955. 14 December 2019; 7:30 a.m. to 5:30 p.m.; 31°F to 38°F. Wind N to NE 8-14 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 51-75%. Eighteen observers in 9 parties, plus 1 at feeders. Total party-hours 47.75 (22.5 on foot, 25.25 by car), plus 4 hours at feeders, plus 2.5 hours owling. Total party-miles 306.5 (29 on foot, 277.5 by car), plus 31 miles owling. Total 92 species; 28,704 individuals.

Jeremy Birket, Jeremy Coleman, Tom Ewert, Harry Gregory, Sharon Gregory, Bob Gress, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Dallas Hewett, Steve Hoffhine, Pete Janzen, Douglas Lamoureaux, Bill Langley, Roy Lyon, Patty Marlett, Cheryl Miller, Dale Randall, Dale Roark, Eddie Stegall, Curt VanBoening.

Wilson Lake. 38.944288° N -98.571752° W. Center as described in 1994. 15 December 2019; 7:45 a.m. to 5:30 p.m.; 21°F to 25°F. Wind NE 8-12 mph. Still water partly open, moving water partly open. Cloud cover a.m. overcast, p.m. overcast. Snow 4.5 inches. Eight observers in 4 parties. Total party-hours 23 (10.5 on foot, 12.5 by car). Total party-miles 207 (7 on foot, 200 by car). Total 84 species; 15,813 individuals.

David Klema, Jim Nickel, Ellen Rader, Jennifer Rader, Mike Rader (compiler-mike_rader@hotmail.com), Roger Schultz, Carolyn Schwab, Scott Seltman.

Yoder. 37.897589° N -97.866716° W. Center as described in 2000. 17 December 2019; 8:30 a.m. to 12:15 p.m.; 19°F to 31°F. Wind W to NW 5-12 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Fourteen observers in 6 parties. Total party-hours 21.25 (4 foot, 17.25 by car). Total party-miles 234.5 (3.5 on foot, 231 by car). Total 57 species; 51,489 individuals.

Stephanie Carlson, Mary Clark, Kris Davis, Daniel Dyck, Linda Dyck, John Gallagher (compiler-jgallagher@hutchrec.com), Maria Kelson, Steven Kinser, Jay Miller, Verna Miller, Mark Nolan, Sarah Parsons, Luke Schawe, Jim Smith.

Table 1. 2019-2020 KOS CBC.

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cedar Bluff	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia
Snow Goose	7		2	4519	200	CW	2400	4602			6	38807	162	
Ross's Goose	4				2		20	6				6	1	CW
Greater White-fronted Goose	34	45	2	400	3	1	486	11					6	
Cackling Goose	717	1300	15	30	2	88	27	42			43	92	435	85
Canada Goose	2182	1236	680	599	6605	2000	1300	98	4		942	1885	1590	683
Cackling/Canada Goose														
Trumpeter Swan														
Tundra Swan														
Wood Duck							7							
Blue-winged Teal								2						
Northern Shoveler	44	3	13	10	CW	28		24				80	4	15
Gadwall	20	24	30	30		3		9			6		242	2
American Wigeon		2			CW	CW		7				8		CW
Mallard	52	592	17	60	200	412	1592	1963	CW	1	178	108	1112	514
American Black Duck														
Northern Pintail		2			CW	1		13						
Green-winged Teal								8			2	68	100	1
Canvasback				6	CW	11								10
Redhead				4	CW			2					36	
Ring-necked Duck		31	18		CW	3		4	4					7
Greater Scaup						1							3	
Lesser Scaup	6	1		3	CW	2					25		3	13
White-winged Scoter														
Black Scoter														
Long-tailed Duck														
Bufflehead		2	1			3					7		8	6
Common Goldeneye		1	9	40	1	53	65				455		1014	35
Hooded Merganser		94					5	35			21		33	12
Common Merganser			3			CW		20		18	122		6	
Red-breasted Merganser											19			
Ruddy Duck						CW		4			8			1
duck species								1						
Northern Bobwhite	6			1	1		11	19	65	6	28	CW	30	8
Scaled Quail									3					
Ring-necked Pheasant	3				CW		10	8		4	1	19		
Greater Prairie-Chicken					7			10						
Lesser Prairie-Chicken														
Wild Turkey			35		95	6	156	CW			48	1		
Pied-billed Grebe		3	1			13	67				3		1	1
Horned Grebe														
Red-necked Grebe														
Eared Grebe														
Rock Pigeon	23	143	2	24	205	342		34	98	30	34	1500	40	145
Eurasian Collared-Dove	11	3	3	1	80	6	7	18	2037	150	16	1705	23	27
White-winged Dove		1	15		1			18	153	2		92		
Mourning Dove	52	84	22	22	63	54	17	30	61	1	98	258	14	17
Greater Roadrunner		1												
Virginia Rail									4	3				
American Coot						14	215	43			16			
Sandhill Crane	1280													
Killdeer		1											2	
Dunlin														
Wilson's Snipe														
Bonaparte's Gull											6			
Franklin's Gull								1						
Ring-billed Gull		6		141	CW	CW	21	58			433		974	170
California Gull														
Herring Gull		1			CW			6			6		14	
Iceland Gull														
Lesser Black-backed Gull														
Glaucous Gull								1						
gull species														
Common Loon														
Double-crested Cormorant		1											1	
American White Pelican	95	23									8		8	
Great Blue Heron	8	5	1		1	2	4	13		10	19	3	30	1
Great Egret														
Black-crowned Night-Heron														
White-faced Ibis								2						
Black Vulture		1												
Turkey Vulture														
Golden Eagle									CW					
Northern Harrier	31	9		2	9	1	21	40	15	10	23	31	22	CW
Sharp-shinned Hawk	1	1	1	1			3	2	2		1	3	2	1
Cooper's Hawk		2			3	1	1	1	5		1	5	3	
Northern Goshawk														
Accipiter species	1	1						1						
Bald Eagle	4	13	1	17	5	1	2	18		1			4	
Red-shouldered Hawk		8	3								16		6	
Red-tailed Hawk	66	39	4	31	52	4	35	62	30	8	117	65	73	5
Harlan's Hawk		6	CW	1		1		1			1		3	
Rough-legged Hawk	2				2	1		2	3	1	4	2	1	
Ferruginous Hawk	1						1		20		2			
Buteo species								1						
Barn Owl								3				2		
Eastern Screech-Owl		2	1		1		5	1				4		
Great Horned Owl	6	4			2	CW	16	6	5		5	14	3	
Barred Owl	1	9	4		1			1			2		4	2
Long-eared Owl					1			2						
Short-eared Owl											1		1	
Belted Kingfisher	CW	2	1	1	2	1	2	1		1	3	2	4	2
Lewis's Woodpecker									1					
Red-headed Woodpecker		1	35	12		10					2			
Red-bellied Woodpecker	11	80	36	32	22	18	10	8		2	78	2	20	7
Yellow-bellied Sapsucker	1	14	2	3		1		2			3		2	
Downy Woodpecker	2	38	23	9	21	12	8	13		3	37	14	16	7
Hairy Woodpecker	5	16	1	2	4	1	7	4	1	1	4	5	4	1
Northern Flicker Unidentified	7	48	36	11	56		32	13	14	2	47	21	5	8

Table 1. 2019-2020 KOS CBC.

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cedar Bluff	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia
Northern Flicker Yellow-shafted	3	16	5	2	2	9		9	1	1	22	2	27	
Northern Flicker Red-shafted	2	4			2	1	1	4	5	1	1	6	6	
Pileated Woodpecker		8	3	2							2		2	
American Kestrel	11	20	2	7	25	2	10	10	19	9	11	24	11	1
Merlin	2	1			1	CW		3	1		3	3	2	
Peregrine Falcon														
Prairie Falcon	2	1			2		2	4	3	3		5		
<i>Falco</i> species														
Eastern Phoebe	1													
White-eyed Vireo														
Loggerhead Shrike	27				1		2	1	4		3	1	4	
Northern Shrike					1		1						2	
Blue Jay	3	97	100	34	18	52		13			88	1	17	23
Black-billed Magpie									2			28		
American Crow	33	237	189	44	30	26	1	1			187		73	17
Chihuahuan Raven									1					
Common Raven									7					
Horned Lark	139	67	283	2	55	50	60	423	538	250	43	528	56	71
Carolina Chickadee	7	94												
Black-capped Chickadee	8		57	14	25	24					66		51	19
Tufted Titmouse	1	49	18	7	1	27					39		15	6
Bushtit									CW					
Red-breasted Nuthatch			1		1			1				7		1
White-breasted Nuthatch		20	10	6	14	8	5	7		3	18	2	7	2
Brown Creeper	1	11	1	3							6			
Rock Wren									1					
House Wren	1													
Winter Wren	1	7	1		2	2		2		1	5	1	7	
Sedge Wren														
Marsh Wren							5	1	9	1			1	
Carolina Wren	10	82	31	19	6	8		3			15	1	26	12
Bewick's Wren	3								2	1				
Golden-crowned Kinglet		9		2	2	1					3		6	7
Ruby-crowned Kinglet	1	25	1	6	2	2				1			5	1
Eastern Bluebird	18	212	55	22	26	34	32	13		10	155		35	6
Mountain Bluebird					16		12							
Townsend's Solitaire							2		CW	2		2		
Hermit Thrush		4	3		1	4			1	1	3			1
American Robin	60	823	641	65	740	290	395	65	23	110	233	90	520	120
Gray Catbird					1			1	CW					
Curve-billed Thrasher									2					
Brown Thrasher			2											
Northern Mockingbird	2	11	1					1					3	1
European Starling	541	478	45	285	475	1070	986	1633	427	250	988	6424	7743	208
Cedar Waxwing		89	222	78	44	300	15	5			56	85	84	62
House Sparrow	46	203	37	89	170	26	10	267	875	140	221	990	79	97
American Pipit								3						
House Finch		8	39		48	30	15	77	2	2	15	86	8	2
Purple Finch				1										
Common Redpoll					2									
Pine Siskin	CW	14			2		16					1		
American Goldfinch	13	255	93	16	200	90	25	45	10	6	12	20	89	22
Lapland Longspur	137	126	25		46	150	77	38	277	110	11	985	13	5
Chestnut-collared Longspur														
Smith's Longspur														2
McCown's Longspur									7					
longspur species									20					
Lark Bunting									21					
Chipping Sparrow													2	
Field Sparrow	3	17	3		CW			2					7	
Fox Sparrow	4	16	7	1	CW	4	3			2	2		12	1
American Tree Sparrow	73	414	85	74	1350	28	132	282	CW	5	1011	21	1533	25
Slate-colored Junco	58	1078	53	167	150	510	1	78		40	544	22	708	
Oregon Junco		11	1		2			2				1	1	
Pink-sided Junco					1				3			2		
White-winged Junco														
unidentified Junco		268	731		670		142	255	12			136		149
White-crowned Sparrow	20	136	9		21	3	20	17	186	30	6	59	7	25
Harris's Sparrow		994	90	29	420	12	15	156		30	187	41	808	132
White-throated Sparrow	141	21	52	35	2	54					15	CW	4	19
Vesper Sparrow	1													
LeConte's Sparrow		6												
Savannah Sparrow	56	204	6			6			3		15		41	10
Song Sparrow	83	537	51	67	16	19	11	9	32	35	35	15	199	37
Lincoln's Sparrow		11	12	2									4	
Swamp Sparrow		50	6	4									1	2
Rufous-crowned Sparrow									2					
Spotted Towhee	4	21	2		7		1	2	1	1	5	3	15	3
Eastern Towhee		1									1		1	
Dickcissel														
Yellow-headed Blackbird								1						
Eastern Meadowlark	4	14		15	2	3				1	19		1	CW
Western Meadowlark	11	143		20	200		247	1	454	10	12	236	2	15
<i>Sturnella</i> species	1686	361	99	184	565		144	806		150	108	599	154	42
Baltimore Oriole														
Red-winged Blackbird	24956	1045	567	1	3405	14	1366	179076	995	1250	7984	1888	74	88
Brown-headed Cowbird	56	53	19	5	1			51	2	5	76	48	97	
Rusty Blackbird			5								19			90
Brewer's Blackbird	1275	65			153			5		300	42	19	38	50
Common Grackle	9	268	7		1			401		2	4			
Great-tailed Grackle								100	CW	2		1773	200	
blackbird species		40			15		1200	20000	17					
Orange-crowned Warbler														
Common Yellowthroat														
Yellow-rumped - Myrtle	1	169	39		1	8	2	2	CW		5		11	6
Northern Cardinal	44	220	124	40	38	85	12	20		6	167	20	112	36
Total Individuals	34241	13033	4850	7360	16628	6049	11523	211217	6502	3025	15362	58981	18989	3202
Total Species	73	90	74	59	73	65	62	86	52	51	85	63	90	66

Table 1. 2019-2020 KOS CBC.

Species	Fall River	Fort Riley	Garden City	Halstead/Newton	Hays	Holton	Jetmore	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County
Snow Goose		130	2711	424	6	6350	350	21000	450		45000	80	300	5
Ross's Goose	2			30					1		3	CW		
Greater White-fronted Goose	40			29		66	15	15			47			211
Cackling Goose	35	5	1	40	151	16	9	2	40		100	93	1	CW
Canada Goose	1015	572	2010	7688	937	1544	197	1496	1423	134	3083	3380	243	406
Cackling/Canada Goose														
Trumpeter Swan												1		
Tundra Swan														
Wood Duck		1	4								1			
Blue-winged Teal														
Northern Shoveler								28	100	4		162	6	153
Gadwall	10	5			86		3	11		CW	2	158	5	80
American Wigeon	1		119		16		11	7			4			
Mallard	5046	16	164	67	239	54	1205	7200	9	25	10000	2900	305	1326
American Black Duck														1
Northern Pintail	20			1	1			4			1	6		8
Green-winged Teal	50			14	2		9				50	38		7
Canvasback			2											1
Redhead	2	1			1	10	7				6			
Ring-necked Duck	24		190	10			7					28	140	14
Greater Scaup														2
Lesser Scaup	2		7				8	76				7		2
White-winged Scoter														
Black Scoter														
Long-tailed Duck														
Bufflehead	1	2	6	1		1		4			12	26		1
Common Goldeneye	25	4				65		51	10	170	2	1610	160	10
Hooded Merganser	945		1					15			10	134		20
Common Merganser	120					1	1	70		3			90	1
Red-breasted Merganser	3													
Ruddy Duck	2												2	31
duck species														
Northern Bobwhite	6	50	31	10	16	1	CW			9	15	3	1	
Scaled Quail														
Ring-necked Pheasant		3	20		19		11			3	7			
Greater Prairie-Chicken		21						2						
Lesser Prairie-Chicken								6	18		176	3	10	4
Wild Turkey	1	13	7	8	65	26	6					8		83
Pied-billed Grebe	1	1	5				7	1						2
Horned Grebe														1
Red-necked Grebe														1
Eared Grebe														1
Rock Pigeon	1	5	768	33	573	8	76		33	35	1	360	71	22
Eurasian Collared-Dove	1		1093	12	106	8	11	1	5	9	76	29	10	CW
White-winged Dove			48		67									
Mourning Dove	107	68	40	61		50	30	28		31	26	123	21	14
Greater Roadrunner														
Virginia Rail														
American Coot			180			2						93	12	31
Sandhill Crane														
Killdeer					1									
Dunlin														
Wilson's Snipe							1			1				
Bonaparte's Gull	2									1			3	120
Franklin's Gull														
Ring-billed Gull	194	2						2460	118	145	6	1415	15	50
California Gull														
Herring Gull							5		5	11		4		4
Iceland Gull														
Lesser Black-backed Gull														
Glaucous Gull														
gull species	1										15			
Common Loon								2						3
Double-crested Cormorant	1							98	1		1	3		2
American White Pelican	45							140		23	1	15		44
Great Blue Heron	26	7	3	8	1		3	24	29	6		9		6
Great Egret														
Black-crowned Night-Heron														
White-faced Ibis														
Black Vulture														
Turkey Vulture														
Golden Eagle							1							
Northern Harrier	13	23	11	5	27	3	20	13	4	2	8	9		2
Sharp-shinned Hawk		2	4	1	1	1		1	1	1	1	4	1	1
Cooper's Hawk		3	5	3	1	1	1			1		9		
Northern Goshawk														
Accipiter species														
Bald Eagle	18	6				8		14	25	12	31	35	26	6
Red-shouldered Hawk	3	1		1		4		1		1		16	2	4
Red-tailed Hawk	33	65	40	44	46	54	41	15	28	40	44	84	16	29
Harlan's Hawk	4	6	1		2			1	1	2		2		
Rough-legged Hawk		5	1				1	2			1			
Ferruginous Hawk			14											
Buteo species	1		4											
Barn Owl														
Eastern Screech-Owl							2				7	1	1	
Great Horned Owl	1	2	2	1	1		12		1	2	6	9		1
Barred Owl	3	8				2						5	2	1
Long-eared Owl														
Short-eared Owl														
Belted Kingfisher		8		3			2	1	1	3		2	2	CW
Lewis's Woodpecker														
Red-headed Woodpecker	7	2				5		1				45	25	78
Red-bellied Woodpecker	26	32		38	3	39	7	15	8	37	25	138	30	27
Yellow-bellied Sapsucker	4	3	1	1		1		1				11	2	3
Downy Woodpecker	10	10	2	19	4	13	15	7	5	12	11	76	14	19
Hairy Woodpecker	1	4	1	4	3	3	9	2	1	7	5	17	7	1
Northern Flicker Unidentified	19	28	3	22	11	36	43	10	3	47	7		9	21

Table 1. 2019-2020 KOS CBC. Species	Fall River	Fort Riley	Garden City	Halstead/ Newton	Hays	Holton	Jetmore	John Redmond	Junction City	Kanopolis Reservoir	Kirwin	Lawrence	Leavenworth Atchison	Linn County
Northern Flicker Yellow-shafted	22	26	3	3				7	6	38	4	149	10	7
Northern Flicker Red-shafted		22	11		2				1	8		3		
Pileated Woodpecker	6	3		2								9	5	7
American Kestrel	10	3	5	22	9	15	1	1	7	8	8	19	4	21
Merlin		1	2	3		2	1					CW		1
Peregrine Falcon														
Prairie Falcon			6		3		3		CW		1			
<i>Falco</i> species				1										
Eastern Phoebe														1
White-eyed Vireo														
Loggerhead Shrike	2									1				3
Northern Shrike		1									1			
Blue Jay	24	73	9	16	2	117		18	5	6	2	267	151	133
Black-billed Magpie			7		1					1				
American Crow	137	200		98	3	172		85	90	27	5	295	67	47
Chihuahuan Raven														
Common Raven														
Horned Lark	66		193	118	327		208	18		211	39	24	4	8
Carolina Chickadee														
Black-capped Chickadee	25	40		61	2	21		7	8	43	7	230	39	43
Tufted Titmouse	20	26		7		11		6	3			123	25	42
Bushtit														
Red-breasted Nuthatch			2		1									
White-breasted Nuthatch	31	27	3	8	3	15	6	6	3	8	33	61	19	15
Brown Creeper	2	2										12	1	CW
Rock Wren														
House Wren												CW		
Winter Wren	1	4		1		3		2	1	1		6	3	2
Sedge Wren														
Marsh Wren			2				2			1		2		
Carolina Wren	22	29	2	14	2	14	3	5	3	32	2	89	35	27
Bewick's Wren														
Golden-crowned Kinglet	10	2		2		2						9	14	5
Ruby-crowned Kinglet	2	4		3	1	3						14	5	12
Eastern Bluebird	55	63		32		41		8	59	61	8	167	43	51
Mountain Bluebird														
Townsend's Solitaire			4				4							
Hermit Thrush	7	2										9	4	2
American Robin	197	281	512	376	222	233	126	200	298	480	33	2200	948	91
Gray Catbird					1							CW		
Curve-billed Thrasher														
Brown Thrasher		1		1										
Northern Mockingbird	8	1		2		13		3				15	2	5
European Starling	106	572	16832	1050	2780	429	85	600	181	217	530	4025	347	372
Cedar Waxwing	52	46	58			112	15	137	56	11	18	660	338	30
House Sparrow	7		1198	100	152	80	83	15	7	54	97	268	241	18
American Pipit								1						
House Finch	4	2	146	30	26	32	5		3	12	3	153	23	12
Purple Finch		1										3		
Common Redpoll														
Pine Siskin			1									CW		
American Goldfinch	19	126	29	57	9	29	11	77	41	29	46	248	15	26
Lapland Longspur	25		20	160	337		1275		25	380	70	CW		2
Chestnut-collared Longspur											1			
Smith's Longspur														
McCown's Longspur														
longspur species														
Lark Bunting														
Chipping Sparrow	1													
Field Sparrow	5	10	1	4				5		6		3		1
Fox Sparrow	9	1	1	4				2		5		33	1	17
American Tree Sparrow	80	557	4	47	360	100	65	60	27	503	342	151	78	43
Slate-colored Junco	420	236	20	351	75			160	145	200	111	1296	236	278
Oregon Junco	3		10		1					1		1		
Pink-sided Junco										1	3			
White-winged Junco														
unidentified Junco	18	121	179		100	404	143	110	113	522	14			
White-crowned Sparrow	7		443	32	303	1	26	27		3	42	27	54	69
Harris's Sparrow	74	98		358	79	111	42	93	5	190	106	87	68	30
White-throated Sparrow	26	5		12		11		5				175	44	27
Vesper Sparrow		1												
LeConte's Sparrow	2											1		
Savannah Sparrow	14							5				8		17
Song Sparrow	40	40	6	29	31	33	9	6	3	42	18	307	29	94
Lincoln's Sparrow	1	6		4				1				8	6	3
Swamp Sparrow	1									2		20	13	11
Rufous-crowned Sparrow														
Spotted Towhee	2	5	4	8		3	1			37		8	1	CW
Eastern Towhee												5		2
Dickcissel								1						
Yellow-headed Blackbird														
Eastern Meadowlark	21	7		5			8	44		7	1	4	4	5
Western Meadowlark	23		260		495	2	22		1	14	47	28		4
<i>Sturnella</i> species	122	104		355	890	261	826	94	54	211	157	250	21	76
Baltimore Oriole														
Red-winged Blackbird	1017	543	3280	705132	8005	422	477	2114	144	1006	7000	2660	100	1049
Brown-headed Cowbird	250	2	527	5108	60		3			8		9	1	20
Rusty Blackbird	12					2	25							11
Brewer's Blackbird	1160	1			7		30			20	50			
Common Grackle			8	14						5	50	79		77
Great-tailed Grackle			1856									176		27
blackbird species				700000							250			
Orange-crowned Warbler												CW		
Common Yellowthroat														
Yellow-rumped - Myrtle	20	58	1	4		12				19		122	6	20
Northern Cardinal	46	75	8	103	3	57	7	22	22	51	10	262	73	107
Total Individuals	12106	4542	33152	1422315	16678	11135	5635	36767	3633	5266	67854	25978	4610	5830
Total Species	87	74	65	66	54	59	61	67	49	65	62	89	68	92

Table 1. 2019-2020 KOS CBC.

Species	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Mary	Salina	Sawyer	Scott Lake
Snow Goose	5000	10105	5	322	1		CW	5081	1600	40	41873	6	9126	2
Ross's Goose	10	3	1	4				50	4	1			2	3
Greater White-fronted Goose		20	72					300	20	270		52	295	1
Cackling Goose	40	107	2477	132	10	3	2	8	5	203	14	120	1380	552
Canada Goose	120	4437	1011	1566	2023	1383	549	1040	360	600	12389	2105	1245	932
Cackling/Canada Goose		2												
Trumpeter Swan		CW						55			18			
Tundra Swan									31					
Wood Duck										2		1		
Blue-winged Teal										1				
Northern Shoveler	1	4	34		11	6	6	114	CW	30	11	4		
Gadwall		12	14	4	34		6	16	21	61	12			
American Wigeon									11	88				1
Mallard	1569	237	410	183	101	1839	200	13902	7150	235	4	217	96	39
American Black Duck								2						
Northern Pintail	2	4				3		514	12	2				
Green-winged Teal	2	51		3				208	68	48				
Canvasback				5	4			11	CW	3		2		
Redhead		2		14	8			1	1	1	1	4		
Ring-necked Duck		2		4	10		22	406		201		2		
Greater Scaup				3										
Lesser Scaup		1	26	122			42	2		4				
White-winged Scoter		1												
Black Scoter														
Long-tailed Duck														
Bufflehead	1	2	4	123			11	13	2		4			
Common Goldeneye	710	71	363	98	14		19	70	16		49			
Hooded Merganser		5		12		14	12	24	CW	7		1		
Common Merganser	1020	1	7	90		762	21	1	CW	49				1
Red-breasted Merganser				13										
Ruddy Duck				5				95			1			
duck species									260		57	10		
Northern Bobwhite		CW	2	17		9			12	13	12			
Scaled Quail														
Ring-necked Pheasant	1		3			2			2			2		5
Greater Prairie-Chicken														
Lesser Prairie-Chicken														
Wild Turkey	88	155		24	15	CW	6		23	41	34	17	3	288
Pied-billed Grebe		5	CW	1			2	16	1	28		2		
Horned Grebe														
Red-necked Grebe														
Eared Grebe														
Rock Pigeon	35	316	20	122	118	11		7	9	21	23	193	7	127
Eurasian Collared-Dove	3	48	27	14		3		6	4	11	9	20	26	1516
White-winged Dove			1										7	
Mourning Dove	1	163	12	87	122	27	21	81	3	133	36	130	38	
Greater Roadrunner													1	
Virginia Rail									1	3				
American Coot		1	CW	25				62		8	1	5		
Sandhill Crane									1500	1090				
Killdeer		3		2			CW	15						
Dunlin									CW					
Wilson's Snipe		CW											2	
Bonaparte's Gull			33	7										
Franklin's Gull														
Ring-billed Gull	10	29	172	188	443	4	60	49	10		127	3		
California Gull														
Herring Gull	14	3	28	5	6		2	1						
Iceland Gull														
Lesser Black-backed Gull														
Glaucous Gull														
gull species						1092	8					5		
Common Loon				1			CW							
Double-crested Cormorant		141	1		8		1	23						
American White Pelican	4	9	152	19		18	CW	117	CW	1				
Great Blue Heron	1	33	19	14	4	5	41	4	2	11		2	2	2
Great Egret												10		
Black-crowned Night-Heron														
White-faced Ibis														
Black Vulture														
Turkey Vulture														
Golden Eagle														1
Northern Harrier	3	10	11	19	2	3	1	30	34	39	10	6	36	8
Sharp-shinned Hawk		3	2	1	4	CW		1	1	1	3			4
Cooper's Hawk		10	2	2	2	1		1	2	1	1	5	4	2
Northern Goshawk														
Accipiter species		1												
Bald Eagle	23	87	28	11	17	21	7	20	15	1	3	5	1	
Red-shouldered Hawk		4		3	2		2	7		4	23	3		
Red-tailed Hawk	10	93	33		54	27	9	45	43	94	71	50	62	15
Harlan's Hawk		8	2					1		8	2	2	2	
Rough-legged Hawk	1			2				1	1	1	3	1	2	1
Ferruginous Hawk									1					2
Buteo species		2										2		
Barn Owl								4		2				
Eastern Screech-Owl	1							1	1	6				1
Great Horned Owl	5	2	4	7	1	1	1	8	7	24	2		5	11
Barred Owl		5	3	4	2	CW		3	2	1	2			
Long-eared Owl								1						
Short-eared Owl	1			2				1						1
Belted Kingfisher		12	1	2	5	4	CW	3	CW	7	1		4	3
Lewis's Woodpecker														
Red-headed Woodpecker		25		3	29		26	33						
Red-bellied Woodpecker	8	90	26	43	86	8	24	32	12	43	23	18	14	4
Yellow-bellied Sapsucker		2	2	3	6	1	2	4	1	2	2	1		1
Downy Woodpecker	4	61	17	37	60	11	13	6	14	15	9	15	10	17
Hairy Woodpecker	5	10	5	4	13	1	1	1	5	8	2	3	2	12
Northern Flicker Unidentified	25	58	27			20	18	14	38	51		16	2	30

Table 1. 2019-2020 KOS CBC.

Species	Lovewell Reservoir	Manhattan	Marion	Melvorn Reservoir	Olathe	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	St. Mary	Salina	Sawyer	Scott Lake
Northern Flicker Yellow-shafted		77	8	23	68		16		14	20	27	9	3	3
Northern Flicker Red-shafted		11				4	3		9	4		2	11	2
Pileated Woodpecker		7		1	3			5	1	2	2			
American Kestrel	1	19	5	5	17	CW	2	21	11	12	15	6	5	2
Merlin		4	1					1	3	2		1		
Peregrine Falcon														
Prairie Falcon		CW	1					1	1	1	1		1	4
<i>Falco</i> species														
Eastern Phoebe								3						
White-eyed Vireo														
Loggerhead Shrike			1	1				9	3	1	2		3	
Northern Shrike									1					
Blue Jay	5	182	16	203	156	60	130	65	2	3	44	27	1	1
Black-billed Magpie														
American Crow	95	2190	53	176	176	104270	111	93	35	354	118	22	29	
Chihuahuan Raven														
Common Raven														
Horned Lark	1		250	87	35	CW	CW	9	90	6	32	40	242	27
Carolina Chickadee								37		23			5	
Black-capped Chickadee	10	136	26	55	167	20	32		1		43	24	8	1
Tufted Titmouse		57	8	23	97	10	20	33		11	16	6	7	
Bushtit														CW
Red-breasted Nuthatch		1										1		1
White-breasted Nuthatch	31	29	5	9	37	7	12	14	2	3	13	15	7	10
Brown Creeper		4	1	6	19	1	1	2		2	1		1	3
Rock Wren										1				
House Wren									CW					
Winter Wren		3	2	2	5	1	2	3	1	6	3		1	
Sedge Wren								5	1				1	
Marsh Wren								2	6	10				4
Carolina Wren	1	45	13	15	64	7	8	18	3	20	14	10	11	1
Bewick's Wren		CW								2				
Golden-crowned Kinglet	2	8		5	7		1	3	2		2			2
Ruby-crowned Kinglet		7	1	2	17		5	11		4	9	5		
Eastern Bluebird	20	182	45	109	128	51	44	33	35	98	84	15	2	45
Mountain Bluebird									2	31			1	
Townsend's Solitaire										3		2		17
Hermit Thrush		1	1	1	2		1	2			1			
American Robin	203	2552	315	254	1450	715	2023	239	960	1179	332	509	616	612
Gray Catbird														1
Curve-billed Thrasher														
Brown Thrasher		1		1				1			1			
Northern Mockingbird		2	1	9	3	2	5	34	2	1	6		1	
European Starling	134	8311	494	3342	1313	1715	400	1586	260	147	353	9117	341	146
Cedar Waxwing	10	207	79	28	260	5	894	45	3	121	27	21	25	183
House Sparrow	6	236	41	167	80	32	12	61	6	50	37	148	206	218
American Pipit								24						
House Finch	18	62	100	99	56	5	3	27	4	27	30	14	10	77
Purple Finch		CW			4									
Common Redpoll														
Pine Siskin		7	20			CW				1				6
American Goldfinch	25	226	72	24	144	46	55	96	18	61	71	11	32	48
Lapland Longspur			31	19		CW	CW	5	5		1	85	387	335
Chestnut-collared Longspur														
Smith's Longspur				5										
McCown's Longspur														
longspur species														
Lark Bunting														
Chipping Sparrow														
Field Sparrow			2			1	1	7	12	29	2		3	
Fox Sparrow	1	3		3	1	1	5	1	3	7				7
American Tree Sparrow	238	312	29	344	73	382	36	15	875	127	227	83	65	104
Slate-colored Junco	356	527	338	203	433	485	877	305	305	281	477	212	136	8
Oregon Junco		1			1		3		1					6
Pink-sided Junco	2								2	1				1
White-winged Junco														1
unidentified Junco		879					304	387	250			15	169	265
White-crowned Sparrow		23	33	11	1	7	1	117	12	117	2	15	3	358
Harris's Sparrow	22	305	281	87	8	166	70	42	135	208	51	50	100	23
White-throated Sparrow	1	46	3	23	16		36	125		8	13	20	CW	
Vesper Sparrow														
LeConte's Sparrow								16	CW					
Savannah Sparrow			5	5			2	120	5	38				
Song Sparrow	6	69	35	17	81	26	25	36	36	78	41	25	14	65
Lincoln's Sparrow		8		2	2	2		4						
Swamp Sparrow		5		4	10	CW		84	1	6				
Rufous-crowned Sparrow										3				
Spotted Towhee	2	10		4			CW	3	4	7		1	6	36
Eastern Towhee							1	1		1	4			
Dickcissel		CW												
Yellow-headed Blackbird														
Eastern Meadowlark		3	2	34				58	15	10	6		2	
Western Meadowlark	121	2	1	3				2	160	6	1	3	23	178
<i>Sturnella</i> species	9	452	458	93	45	113	52	180	575	544	711	297	987	
Baltimore Oriole														
Red-winged Blackbird	4	115	120	4000	11	383	20	2812	1760	626	1903	1452	4532	41
Brown-headed Cowbird		200	1	6		13		1549	3	408		37	3	3
Rusty Blackbird	4	50	2		10	45	30		1			6		
Brewer's Blackbird								135	3	2220			48	
Common Grackle			1	45	17	1		10				12		
Great-tailed Grackle		2										1		
blackbird species			48					150		50		60		
Orange-crowned Warbler														
Common Yellowthroat								1	3	2				
Yellow-rumped - Myrtle	3	152	4	14	100	2	13	20	5	54	8	9	21	
Northern Cardinal	11	244	86	173	132	24	110	130	18	49	89	86	24	14
Total Individuals	10060	34431	8096	13114	8464	113881	6505	31002	16970	10546	59708	15514	20467	6441
Total Species	58	88	78	92	70	57	66	105	86	96	74	66	63	62

**Table 1. 2019-2020 KOS CBC.
Species**

Species	Sedan	Slate Creek Wetlands	SE KS Mined	Tallgrass Nat. Pre.	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Snow Goose		811			20475		190000		190500	12	40	1150	603660
Ross's Goose		134			1		2770		500	4	1		3563
Greater White-fronted Goose		937			66	CW	4		145	233		12	3838
Cackling Goose		23780		3	176	65	91	25	1400	8328	6		42296
Canada Goose	124	13904	187	349	4362	1985	750	527	2600	5276	125	23000	126881
Cackling/Canada Goose													2
Trumpeter Swan	3												77
Tundra Swan													31
Wood Duck					CW	7				45		1	69
Blue-winged Teal					1								4
Northern Shoveler	10	6			24	2	60	2	2	255			1256
Gadwall	42	7			11	24	43	4	22	133	17		1209
American Wigeon		7			4	1210	6		2	25	18		1547
Mallard	182	1899	394	6	147	3273	9500	5120	15000	855	6225	11	104151
American Black Duck													3
Northern Pintail		1					45		192		3		835
Green-winged Teal	36	2					112	76	100	101	19		1183
Canvasback		11					28		2	174			277
Redhead					12		15			46	1		175
Ring-necked Duck	95	5			2	62	24		12	121	5		1453
Greater Scaup					160		8			8	1		186
Lesser Scaup		6			5	5	74		18	101	38		599
White-winged Scoter										1			2
Black Scoter											CW		CW
Long-tailed Duck							2						2
Bufflehead	1				23	25	62		26	153	138		669
Common Goldeneye	10	2		11	47	49	4500	1000	75	398	3500	60	14842
Hooded Merganser	4				3	50	1		10	381	140		1991
Common Merganser	1	3					300	1025	8	2	8		3754
Red-breasted Merganser													35
Ruddy Duck					1	4	6			131	1		292
duck species	30		350										714
Northern Bobwhite	14	12		12			18		12		1		452
Scaled Quail													3
Ring-necked Pheasant		8			CW		5	6	9		3		154
Greater Prairie-Chicken													38
Lesser Prairie-Chicken													2
Wild Turkey	26				31	277	12	6		22	9	45	1800
Pied-billed Grebe	4	1	8		7	4	1		6	34	4		319
Horned Grebe										1			3
Red-necked Grebe													1
Eared Grebe													1
Rock Pigeon	6	200	1	2	696	45	26	12	50	582	1	96	7332
Eurasian Collared-Dove	3	3	5	7	30	12	71	4	85	44	48	17	7464
White-winged Dove										CW			405
Mourning Dove	27	295	2		216	119	22	1	9	426	30	27	3420
Greater Roadrunner													2
Virginia Rail													11
American Coot			5		87	4	80		46	170	61		1161
Sandhill Crane													3870
Killdeer							4						28
Dunlin													CW
Wilson's Snipe			1		2					2	1		10
Bonaparte's Gull	4					CW	50	2			1		229
Franklin's Gull													1
Ring-billed Gull	1	6			18	80	2155	630	55	696	175	270	11389
California Gull							1						1
Herring Gull						1	300	2		10	12		440
Iceland Gull							2						2
Lesser Black-backed Gull							1			1			2
Glaucous Gull										1			2
gull species													1121
Common Loon											5		11
Double-crested Cormorant		1			1	2	8		2	325	5		626
American White Pelican						2	3	60	1				821
Great Blue Heron	4	10	7		3	9	7	1	3	51	14	4	472
Great Egret						CW				3			13
Black-crowned Night-Heron										5			5
White-faced Ibis													2
Black Vulture	25												26
Turkey Vulture	1												1
Golden Eagle													2
Northern Harrier	25	29	11	6	1	16	19	2	33	2	18	8	736
Sharp-shinned Hawk		1			7			1	1	2	1	1	71
Cooper's Hawk					3	CW	6	1	2	3	1	3	98
Northern Goshawk													1
Accipiter species													13
Bald Eagle	21	6	10	3	12	10	45	5	30	12	5		663
Red-shouldered Hawk	4	2	2		6	2				1			105
Red-tailed Hawk	73	105	46	6	82	75	84	10	62	51	24	34	2428
Harlan's Hawk	8	8				2				1			76
Rough-legged Hawk	2			1			1		3			1	50
Ferruginous Hawk													41
Buteo species			1										11
Barn Owl							2						13
Eastern Screech-Owl		1					2						53
Great Horned Owl		3				1	14		9	3	1		205
Barred Owl		8		1	5	9	2			2			95
Long-eared Owl											1		5
Short-eared Owl							1			1			9
Belted Kingfisher	2	1	3	2	3	2	3		2	5	2	2	113
Lewis's Woodpecker													1
Red-headed Woodpecker	3	2	5		5	18							372
Red-bellied Woodpecker	15	37	28	17	66	59	27	7	21	26	8	9	1502
Yellow-bellied Sapsucker	4	2	2	1	6	11			1	CW	1		110
Downy Woodpecker	15	20	10	10	47	24	12	2	9	39	8	7	912
Hairy Woodpecker	5	3	3	1	8	12	5	1	1	2	4		238
Northern Flicker Unidentified	31	21	11	21	72	16	27	4	24	40	12	29	1166

Table 1. 2019-2020 KOS CBC. Species	Sedan	Slate Creek Wetlands	SE KS Mined	Tallgrass Nat. Pre.	Topeka	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Northern Flicker Yellow-shafted	13	18	2	1		28	1	8	3	14	10	5	745
Northern Flicker Red-shafted	1	2				5	1	1	2		10	1	149
Pileated Woodpecker	6	2		1	1	12							92
American Kestrel	26	28	22		14	14	6	1	7	12	10	2	558
Merlin	2					2	CW	1	2	2	3	1	51
Peregrine Falcon					CW							1	1
Prairie Falcon		1		1		2	4		1		1	1	56
Falco species													1
Eastern Phoebe	1					1							7
White-eyed Vireo							1						1
Loggerhead Shrike	4	4	1			2	2				1	1	84
Northern Shrike									2				9
Blue Jay	59	68	33	1	194	168	9	16	8	67		2	2789
Black-billed Magpie									8				47
American Crow	261	135	191	24	218	278	21	83	10	952	21	17	111997
Chihuahuan Raven													1
Common Raven													7
Horned Lark		302	54	27	8	594	335	24	70	2	220	17000	23236
Carolina Chickadee	60	37	27			62							352
Black-capped Chickadee				22	122	7	13	6	3	50	2	18	1556
Tufted Titmouse	39	20	20	15	68	40		1		19		2	938
Bushtit									5		1		CW
Red-breasted Nuthatch					1								24
White-breasted Nuthatch	14	5	4	8	28	13	30	3	9	1	3	4	656
Brown Creeper	5	5	2	1	4	7	1			2			107
Rock Wren													2
House Wren		1											2
Winter Wren	8	7			6	3				4			110
Sedge Wren		1											8
Marsh Wren		3									1		50
Carolina Wren	41	29	6	11	56	47	10	2		34	1	6	965
Bewick's Wren	2	1				2							13
Golden-crowned Kinglet	3	3	2		16	1	2	2		2			137
Ruby-crowned Kinglet	2	14	2		6	21	1			6			210
Eastern Bluebird	105	58	67	15	117	103	7	13	20	21	34	5	2662
Mountain Bluebird											50		112
Townsend's Solitaire							4				1		41
Hermit Thrush	6				4	2	1			5			69
American Robin	291	200	46	56	2135	1653	170	237	110	1968	1150	260	30607
Gray Catbird													4
Curve-billed Thrasher													2
Brown Thrasher					1					1			10
Northern Mockingbird					6	10	1	1		1		3	198
European Starling	404	150308	83	52	4451	7880	1216	618	1025	3557	155	800	247887
Cedar Waxwing	113	3	102		154	63	4	17		2	280	1	5220
House Sparrow	83	112	14		246	390	132	43	180	137	45	58	8310
American Pipit													28
House Finch	6	3	4		170	7	16	3	18	76	32	12	1662
Purple Finch													9
Common Redpoll													2
Pine Siskin		31				4				2	1		106
American Goldfinch	57	69	41	10	184	101	114	14	32	42	92	12	3355
Lapland Longspur		2336		1		220	724	80	80		18	6	8627
Chestnut-collared Longspur													1
Smith's Longspur						1							8
McCown's Longspur													7
longspur species													20
Lark Bunting													21
Chipping Sparrow													3
Field Sparrow	21	12	9	1	1	28				1	9	22	228
Fox Sparrow	7	6	3	1	5	16			1	10	6		212
American Tree Sparrow	12	613		82	56	549	407	160	960	92	695	250	14236
Slate-colored Junco	398	667	31			2662	58	129	115	343	470	275	16723
Oregon Junco		1				17	1		1		2		70
Pink-sided Junco						1	12		1		4		34
White-winged Junco													1
unidentified Junco	12	341	140	172	1197		234	15	265	53	60		8845
White-crowned Sparrow	12	397	35	3	22	58	119	11	75	23	14	4	3046
Harris's Sparrow	64	970	23	37	75	1784	171	88	160	154	45	220	9594
White-throated Sparrow	18	6	36	4	65	7		2		62			1139
Vesper Sparrow						2							4
LeConte's Sparrow		2											27
Savannah Sparrow	24	156	45	1		370						35	1191
Song Sparrow	112	503	24	28	80	248	42	2	36	75	26	8	3571
Lincoln's Sparrow	6	1	1		1	3	1					19	108
Swamp Sparrow	1	95	6		2	4		1		2	2		333
Rufous-crowned Sparrow													5
Spotted Towhee	4	10		4	8	10	9		12	17	6	4	291
Eastern Towhee		1			1								19
Dickcissel													1
Yellow-headed Blackbird													2
Eastern Meadowlark	131	30		1		3	5	4		1			470
Western Meadowlark		84	1		27	6	287	5	385		205	1	3748
Sturnella species	109	2853	365	33	76	1198	309	91	110	137	40	1600	19756
Baltimore Oriole										CW			CW
Red-winged Blackbird	1353	1005904	1711	34	173	4743	3582	40	12700	489	1300	3900	2009366
Brown-headed Cowbird	321	200001	250			281	12	8	430		20	75	210022
Rusty Blackbird	2			2		526	14						856
Brewer's Blackbird	795	101279	80			1344			400			18	109537
Common Grackle	4	1014	1			46			2		2		2080
Great-tailed Grackle		250				27				775			5189
blackbird species		1000	150	60		150						2000	725190
Orange-crowned Warbler							1						1
Common Yellowthroat		2											8
Yellow-rumped - Myrtle	69	5	12	1	18	100			1	31	10	14	1172
Northern Cardinal	124	120	67	22	221	384	26	40	26	110	12	39	4151
Total Individuals	6086	1512437	4819	1191	37171	33921	219516	10306	228368	28704	15813	51489	4571483
Total Species	79	93	57	48	82	97	92	58	75	92	84	57	175