

# *Kansas Ornithological Society*

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### **THE WINTER BIRD COUNT FOR 2016-2017**

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A respectable 49 Christmas Bird Counts (CBCs) were conducted this year; an increase of two from last year, though still below the average of 51.2 counts per year since 2000. The Kansas CBC period ran from 10 December 2016 through 8 January 2017. Weather conditions varied this year, from a frigid low of -16° F (-26.7°C) to 61° F (16.1°C). Few counts recorded precipitation, though Garden City did get four inches of snow. Wind was a major factor on several counts with speeds up to 30 mph.

The 560 observers (average 11.4/count), down five from last year (559 average since 2000), in 242 parties (average 4.9/count) covered all the physiographic provinces with the exception of the Ozark Plateau in the southeast. The northwest and southeast remains under surveyed. As usual, Manhattan had the most participants with 45 (down from 57 last year) followed by Lawrence (26, 34 last year), Topeka (25, up two from last year), and Quivira National Wildlife Refuge (QNWR, 21, 20 last year). All other counts had fewer than 20 observers. Participants volunteered a total of 1,595.5 party-hours (average 32.6/count), down considerably from last year's 2,533.85 party-hours (average 53.9/count). They compiled 12,298 party-miles (average 251/count), an increase from last year's total (11,913.55 party-miles) and a slight decrease in average miles/count (253.48/count). Sixty-six feeder watchers, up from 42 last year, produced an additional 145.5 hrs (88.75 last yr), with an additional 38.93 hrs owling (48.75 last yr). Owling miles were down from last year's 394 to 309.

Though the weather was relatively mild, only 168 species were observed, averaging 78.4 per count. Kansas has averaged 166 species per year since 2000.

The total number would have been 175 if not for the count week (CW) species: Greater Yellowlegs at QNWR; Thayer's Gull at Lawrence and Manhattan; Lesser Black-backed Gull at Oskaloosa/Perry; Glaucous Gull at Manhattan; Snowy Owl at Emporia; Lewis's Woodpecker at Manhattan; and a Peregrine Falcon at the Tallgrass Prairie National Preserve.

Lawrence led with 100 species for the second year in a row and again the only count to reach the century mark. Udall/Winfield with 97, Parsons and Topeka each with 96, Kanopolis with 94, Linn County and Wilson each with 91, and Arkansas City and Red Hills each with 90, were the only counts to record 90 or more species. Three counts recorded below 50 species compared to one last year (Anthony, 48): Cimarron National Grassland (CNG) with 47; Hays with 45 and Stanton County with 38.

The total number of individuals, 4,166,842 was slightly less than last year's 4,242,544. It is well below the average of 6,295,563 since 2000. As usual, the disparity in numbers is a reflection of the availability of blackbird roosting habitat. No counts reported over a million birds. Linn County led with 869,893 individuals (20.9% of total observed), followed by Cheyenne Bottoms with 607,970 (14.6%), Wilson Lake with 587,354 (14.1%), Waconda Lake with 415,784 (10.0%), and Anthony with 312,683 (7.5%). Combined, these five counts account for 67% of all birds observed this year. Five counts reported under 5,000 individual birds this year with Stanton County having the least with 2,664; followed by Clark County with 3,204; Southeast Kansas Mined Lands with 4,185; Tallgrass Prairie Nature Preserve with 4,240; and Fort Riley with 4,825.

As expected, the Red-winged Blackbird was the most abundant species with 2,432,977 individuals (58.4% of this year's total) and up from last year's total of 1,653,327 individuals. Snow Goose represented the species with the second highest numbers with 552,918 individuals (86.8% unidentified, 12.6% white form, and 0.62% blue form), followed by blackbird species with 353,435 individuals. Only three additional species recorded over 100,000 individuals, Canada Goose 127,318 (up from 108,121 last year), Mallard 111,258 (up from 92,370 last year), and European Starling 109,842 (down from 141,655 last year).

Nothing exceedingly rare this year was reported, compared to last year. Probably the best birds on the count were a Golden-crowned Sparrow at Black Wolf and a Black-headed Grosbeak at John Redmond. Rare or unusual sightings include: a White-winged Scoter at Lawrence; six Black Scoter (two at Kanopolis and four at Wilson Lake); three Long-tailed Duck (two at John Redmond and one at Kanopolis); an Eared Grebe at Lawrence and Melvern; six Greater Roadrunner (three at Red Hills, and one each at Arkansas City, Dodge City, Sawyer); two Least Sandpiper at Wichita; one American Woodcock at John Redmond; a California Gull at Arkansas City; one Pacific Loon at Kanopolis; an American Bittern at Cheyenne Bottoms; five Great Egret in Wichita; 11 White-faced Ibis at QNWR; two Turkey Vultures at Yoder; a Northern Goshawk at Wilson Lake; a Ladder-backed Woodpecker at Sawyer; four

Eastern Phoebe (two at Parsons and one each at Sawyer and Sedan); eight Common Raven at CNG; six Sedge Wren (two each at Linn County and Red Hills, one each at Kanopolis and Parsons); three Gray Catbird (one each at Clark County, Lawrence, and Wilson Lake); and three Brown Thrasher (one each at Garden City, Sedan, and Wilson Lake). Other unusual species include: one American Pipit at John Redmond; one McCown's Longspur in Stanton County; four Orange-crowned Warbler (one each at Arkansas City, Sawyer, Wichita, and Wilson Lake); six Common Yellow-throat (two at Parsons, one each at CNG, Red Hills, SCW, and Wilson Lake); an Audubon's (Yellow-rumped) Warbler in Stanton County; five Chipping Sparrow (three at Olathe and two in Lawrence); four Vesper Sparrow (two at Halstead/Newton, and one each at Red Hills and Southeast KS Mined Lands); one Lark Sparrow at Sawyer; one Lark Bunting at CNG; and seven Le Conte's Sparrow (three at Lawrence, two at Red Hills, and one each at Benedictine Bottoms, and Wakefield); four White-winged (Dark-eyed) Junco at Fort Riley; two Yellow-headed Blackbirds, one each at Lawrence and Manhattan; and a Baltimore Oriole at Lawrence.

Numbers for species of conservation concern include: 138 Trumpeter Swans (high of 103 at Bonner Springs), only 28 last year; 110 Greater Prairie-Chickens an increase from 25 last year (average 164/yr since 2000, 184/yr since 1995), and for the fifth consecutive year no Lesser Prairie-Chickens were recorded (average 7/yr since 2000, 9/yr since 1995). The 95 Loggerhead Shrikes is a slight increase from last year's 89, above the average of 72 since 2000, and 81 since 1995. The 13 Northern Shrikes is a slight decrease for the fourth consecutive year (last year 14), slightly below the average of 14 per year since 2000, 16 since 1995. Scaled Quail went from 68 individuals last year to 43 this year, slightly below the average of 47 since 2000. The 968 Northern Bobwhite, though slightly lower than the 1,016 individuals last year, is still above the average of 805 since 2000, but below the 996 since 1995. Bald Eagle increased from the 546 reported last year to 795, well above the average of 636 since 2000. Northern Harrier increased for the third year in a row to 1,224, which is above the 1,068 average since 2000. The Ferruginous Hawk decreased slightly from 31 last year to 27, the third lowest total since 1995 (20 in 2006, 22 in 2014) and well below the average of 62 during the same time period. Rough-legged Hawk numbers jumped to 134 (89 reported last year). Golden Eagles increased to 10 (only five previous two years), on average since 2000, slightly below the average of 11 since 1995. The 627 Rusty Blackbirds is down for the second year in a row, and was below the 988 average since 2000. The Brewer's Blackbird count of 9,023 is below last year's total of 10,409, and above the average of 6,290 since 2000.

We decided to examine waterfowl species in a little more detail this year, with an emphasis on geese. Part of the impetus for such analysis is the separation of Cackling Goose from Canada Goose. The Cackling Goose was designated a species in July 2004 (Banks, R.C., C. Cicero, J.L. Dunn, A.W. Kratter, P.C. Rasmussen, J.V. Remsen Jr., J.D. Rising, and D.F. Stotz. 2004. Forty-Fifth Supplement to the American Ornithologists' Union Check-List of North American Birds. *Auk* 121(3): 985-995) and was first distinguished on Kansas CBCs during the 2004-2005 count. There were 21 counts that we analyzed to determine relative abundance and location of

occurrence (Table 1, Figure 1). Each of these counts had reported Cackling Goose on at least 84.6 % of the counts since the split (13 yrs ago). Eight (38%) of these counts reported cacklers every year. Twelve (57.1%) of the counts consistently recorded the majority of individuals in any given year. In each of the 13 years, the top counts for each year contributed a low of 37.2% (2007-2008, SCW 556 individuals, and Winfield 526 individuals) to a high of 89.4% (2013-2014, Winfield 25,516, Cheyenne Bottoms 8,323, Wichita 5,176, SCW 4,260, Webster 3,695, Derby 2,092, Wilson 1,558, and Waconda 1,500 individuals) of all Cackling Geese reported. We correlated counts into respective physiographic provinces (Figure 1) to determine where the species is most abundant based on averages from respective provinces (Table 2) since the Cackling Goose was recognized as a species. As a result, the majority of Cackling Geese winter in central and south-central Kansas (Figure 1). Single high counts include 25,526 (Winfield, 2013-2014), 16,200 (Webster, 2015-2016), 9,069 (Wichita, 2014-2015), 8,323 (Cheyenne Bottoms, 2013-2014). Wichita had the greatest total number of high counts >4,000 with four (2010-2011, 12-13, 13-14, 14-15). Udall/Winfield (41,486 individuals) has observed the largest number of total individuals over this period, followed by Wichita (41,209), Webster (24,875), Cheyenne Bottoms (15,685), SCW (13,766), and Arkansas City (12,208) (Table 1). At present, south-central Kansas is the main wintering ground for Cackling Goose (Figure 1).

Using the same 13 year period we examined the distribution and abundance for Greater White-fronted Goose. Only seven counts recorded them on at least 80% of their respective counts, all from the central region (Figure 2): Cheyenne Bottoms, QNWR, and Wichita on 100%; Sawyer on 92.3%; and Newton, SCW, and Wilson Lake on 84.6%. Greatest concentrations occurred at QNWR (29,203 avg/yr), Cheyenne Bottoms (17,213 avg/yr) and Sawyer (3,978 avg/yr).

One species that seems to be shattering new all-time high records each year is the Red-shouldered Hawk. A remarkable 129 were observed this year, breaking 2014 record total of 78. Red-shouldered Hawks have averaged 41 individuals since 2000. Red-tailed Hawk (all forms) numbers increased for the third consecutive year to 4,024 (3,505 last yr, average 3,048 since 1995). Harlan's Hawk was down from last year's 97 to 70 this year. The 70 Merlin was above last year's 62. Prairie Falcons increased from last year's 49 to 70.

For the second straight year the Eurasian Collared-Dove has become the most abundant wintering dove in the state out pacing the Rock Pigeon (10,224, last year's total was 10,476) with a new record total of 15,426, breaking last year's record of 12,442. The collared-dove average since the 1997-1998 CBC is 3,861 per/yr, with an average of 4,542 since 2000. Birds were reported throughout the state, on all counts with the exception of Fort Riley. Fourteen different counts recorded all-time highs this year. As usual, Garden City had the highest totals for any individual count with 7,785, which is an all-time high, 50.5% of this year's total, and well above the average of 1,395/yr since 2000. Other high counts included Dodge City (2,252), Scott Lake (1,651), and CNG (1,528). Ten counts reported White-winged Dove, with the 505

**Table 1. Kansas CBCs with Cackling Goose recorded greater than 80% of the time since the 2004-2005 count period (n = 13 yr), the first count period where they were split from Canada Goose.**

<b>COUNT</b>	<b>FREQUENCY %</b>	<b>TOTAL #</b>	<b>AVERAGE</b>
Arkansas City	100	12208	1744
Baldwin	92.3	845	121
Bonner Springs	100	1529	218
Cheyenne Bottoms	92.3	15685	2241
Junction City	100	1013	145
Kanopolis	84.6	1906	272
Lawrence	100	1446	207
Leavenworth	84.6	283	47
Linn County	92.3	322	47
Manhattan	100	3543	506
Olathe	84.6	232	38
QNWR	100	7810	1116
Red Hills	92.3	924	132
Sawyer	92.3	2814	402
Scott Lake	92.3	2126	304
SCW	92.3	13766	1967
Topeka	92.3	2007	287
Udall/Winfield	100	41486	5927
Webster	84.6	24875	3554
Wichita	100	41209	5887
Wilson	92.3	3214	459

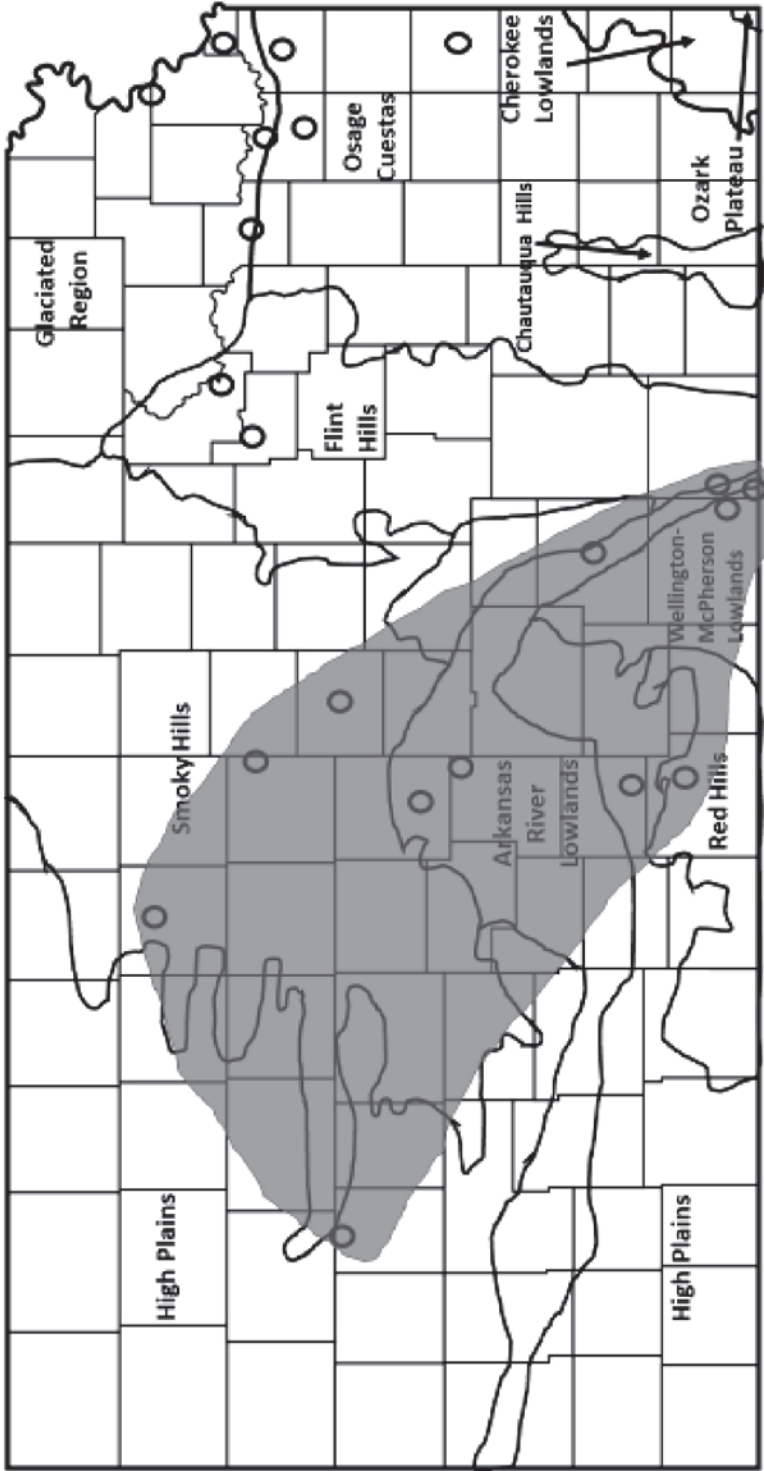


Figure 1. Location of 21 counts (open circles) recording Cackling Goose on at least 80% of the counts since 2004-2005 (n = 13 yr). Shaded area is the main wintering area based on data from Table 1 and 2.

**Table 2. Average number of Cackling Goose based on counts (Table 1) from within Kansas Physiographic Provinces (Figure 1) since the 2004-2005 count period (n = 13 yr).**

<b>PHYSIOGRAPHIC PROVINCE (#COUNTS)</b>	<b>#INDIVIDUALS</b>	<b>AVERAGE</b>
<b>Arkansas River/Wellington/McPherson Lowlands (6)</b>	<b>132,164</b>	<b>22,027</b>
<b>Smoky Hill (3)</b>	<b>29,995</b>	<b>9,998</b>
<b>High Plains (2)</b>	<b>4,940</b>	<b>2,470</b>
<b>Flint Hills (2)</b>	<b>4,556</b>	<b>2,278</b>
<b>Glaciated (4)</b>	<b>5,265</b>	<b>1,316</b>
<b>Red Hills (1)</b>	<b>924</b>	<b>924</b>
<b>Osage Cuesta (3)</b>	<b>1,399</b>	<b>466</b>

individuals an all-time high. They have averaged 116/yr since 2000. Garden City had a high of 349 individuals.

Red-headed Woodpeckers rebounded with 430 individuals, second highest count in the 2000s (high of 576 in 2008), and above the average of 265 per/yr since 2000. The 111 Pileated Woodpeckers, is likely an all-time record, above last year's 100, well above the average of 61 since 2000, and 55 since 1995. The 1,110 Downy Woodpeckers is down from last year's 1,400 individuals and below the 1,266/yr average since 2000.

Overall, thrush numbers increased this year. The exception, 3,464 Eastern Bluebirds compared to 4,331 last year, a moderate decrease. Mountain Bluebirds increased from 73 to 687 individuals; 37 Townsend's Solitaire (six last year); 91 Hermit Thrush (55 last year); and 68,450 American Robins (23,401 last year) all showed increases.

Harris's Sparrow finally showed an increase with 11,188 individuals, a substantial gain from last year's 7,010 individuals. This is above the average of 10,386 since 2000, and slightly below the 11,239 since 1995. Savannah Sparrows exploded for the second consecutive year, from 682 last year to 867 this year (290 average since 2000), a new record high.

The Northern Cardinal decreased after three years of increasing, from 5,020 individuals to 4,461, which is below the average of 4,739 since 2000. The American Goldfinch increased from last year's 3,463 to 3,941, well below the average of 5,164 since 1995. Northern irruptive species which increased this year included: 172 Red-breasted Nuthatches (12 last year); 249 Purple Finches (27 last year), well above

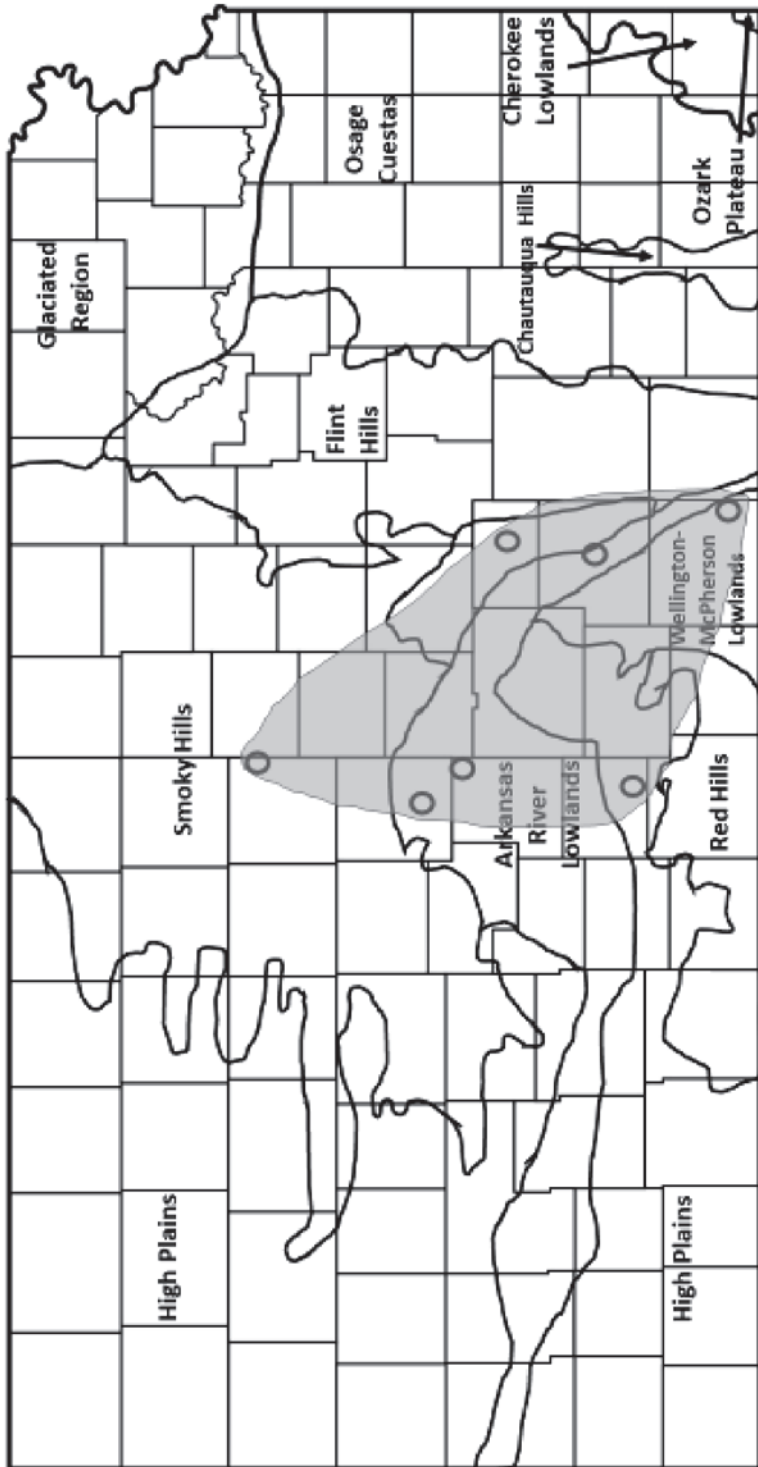


Figure 2. Main wintering area, shaded, of Greater White-fronted Goose based on recording the species on at least 80% of the counts since 2004-2005 (n = 13 yr).



the avg 147/yr since 2000; and five Red Crossbill (only one last year). However, no Common Redpolls were reported this year, and only 22 Pine Siskins, down from last year's 277, well below the avg 527/yr since 2000. It's the second lowest number recorded since 2000 (13 in 2006). The House Finch numbers slightly increased from 2,153 individuals last year to 2,328, below the average of 2,940 since 2000.

Each year National Audubon Society publishes a summary of the highest counts for individual species in the U.S. For the 116th CBC, 29 Kansas counts were submitted to Audubon, which was 61.7% of total counts conducted last year (Young, E.A., M.C. Thompson, C. Otte, D. Mulligan, and O. Simpson. 2016. The Winter Bird Count for 2015-2016. Kansas Ornith. Soc. Bull. 67[4]:1-28; and National Audubon Society. 2016. The 116th CBC in North Dakota through Oklahoma. Web page: <http://www.audubon.org/news/the-116th-cbc-north-dakota-through-oklahoma>. Accessed 7 March 2017). High national counts from Kansas included: 15,000 Common Merganser at Waconda Lake; 17 Red-tailed (Harlan's) Hawk at Parsons; and 526 Harris's Sparrow at Udall/Winfield (Ortego, B. 2016. The 116th Christmas Bird Count U.S. High Counts. Web page: <http://www.audubon.org/news/116th-christmas-bird-count-us-high-counts>. Accessed 7 March 2017).

## COUNT DATA

**Anthony.** 37.152203° N 98.030160° W. Center as described in 2015. 12 December 2016; 7:00 a.m. to 5:00 p.m.; 23°F to 47°F. Wind S to SW 0-12 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties, plus 2 at feeders. Total party-hours 38.5 (7 on foot, 31.5 by car), plus 1 hour owling, 2 hours at feeders. Total party-miles 255 (3 on foot, 252 by car), plus 4 miles owling. Total 82 species; 312,683 individuals.

Henry Armknecht, Tom Ewert, Elsie Fisher, Bonnie Geison, Kevin Groeneweg, Karl Herold, Mary Herold (compiler-herold4us@gmail.com), Dale Randall, Eddie Stegall, Jennifer Wolfe.

**Arkansas City.** 37.038346° N 97.039315° W. Center as described in 1978. 23 December 2016; 8:00 a.m. to 5:30 p.m.; 32°F to 53°F. Wind SW to S 10-18 mph. Still water partly open, moving water partly open; cloud cover a.m. 51-100%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 35 (7 on foot, 28 by car), plus 1.5 hours owling. Total party-miles 220 (6 on foot, 214 by car), plus 23 miles owling. Total 90 species; 34,454 individuals.

Rex Herndon, Patti Marlett, Dale Randall, Dave Reed, Shawn Silliman, Eddie Stegall, Max Thompson, Eugene Young (compiler-eugene.young@noc.edu).

**Baldwin.** 38.782355° N 95.269002° W. Center as described in 1986. 18 December 2016; 7:30 a.m. to 5:00 p.m.; -10°F to 12°F, Wind N to NW 0-5mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 2 inches. Ten observers in 6 parties, plus 2 at feeders. Total party-hours 35.5 (6.5 on foot, 29 by car), plus 3.5 hours at feeders. Total party-miles 331.5 (6.5 on foot,

325 by car). Total 83 species; 22,774 individuals.

Richard Bean, Jan Boyd, Roger Boyd (compiler—rboyd@bakeru.edu), Bill Busby, Cal Cink, Joe Hoelscher, Scott Kimball, Becky McMillen, Danny McMillen, Barbara Pressgrove, Martin Pressgrove, Sam Richards.

**Benedictine Bottoms.** 39.609167° N 95.134161° W. Center as described in 2006. 2 January 2017; 7:20 a.m. to 4:45 p.m.; 40°F to 46°F. Wind E 0-10 mph. Still water partly open, moving water partly open; cloud cover a.m. foggy, overcast, light rain, p.m. foggy, overcast, light rain. Seven observers in 4 parties. Total party-hours 26 (9.25 on foot, 16.75 by car), plus 0.75 hours owling. Total party-miles 141.9 (6.2 on foot, 135.7 by car), plus 2 miles owling. Total 77 species; 13,065 individuals.

Henry Armknecht, John Bollin (compiler-bollinj@umkc.edu), Don Merz, Brett Sandercock, John Schukman, Mary Wilcox, Ginger Winder.

**Black Wolf.** 38.769021° N 98.362339° W. Center as described in 1993. 7 January 2017; 8:00 a.m. to 5:45 p.m.; 0°F to 24°F. Wind N 5-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 1-2 inches. Eleven observers in 4 parties. Total party-hours 29 (6.5 on foot, 22.5 by car), plus 1 hour owling. Total party-miles 349 (7 on foot, 342 by car), plus 5 miles owling. Total 81 species; 26,332 individuals.

Doris Burnett, Kevin Groeneweg, David Klema, Robert Kruger, Chuck Otte, Rob Penner, Ellen Rader, Jenn 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. 27 December 2016; 7:00 a.m. to 5:00 p.m.; 24°F to 50°F. Wind SSW 3-8 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 25-50%. Twelve observers in 5 parties. Total party-hours 40.4 (12.9 on foot, 27.5 by car), plus 1 hour owling. Total party-miles 295.5 (6 on foot, 289.5 by car), plus 9 miles owling. Total 85 species; 26,992 individuals.

Nic Allen, John Bollin (compiler-bollinj@umkc.edu), Kendall Cooper, Michael Cooper, Dave Henness, Barbara McAnany, Phil McAnany, Don Merz, Sue Newland, Galen Pittman, John Schukman, John Tollefson.

**Cheyenne Bottoms.** 38.434582° N 98.682986° W. Center as described in 2014. 19 December 2016; 8:00 a.m. to 4:30 p.m.; 5°F to 34°F. Wind N to NW 0-10 mph. Still water frozen, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 1 inch. Thirteen observers in 4 parties. Total party-hours 23 (1.5 on foot, 21.5 by car), and 0.5 hours owling. Total party-miles 350.5 (0.5 on foot, 350 by car), and 0.5 miles owling. Total 76 species; 607,970 individuals.

Jean Aycock, Jeff Calhoun, Karole Erickson, Jay Miller, Robert Penner, Jenn Rader, Mike Rader, Keith Reif, Gene Schneewis, Kim Schneewis, Kyle Schumacher, Dan Witt, Curtis Wolf (compiler-cjwolf@fhsu.edu).

**Cimarron National Grasslands.** 37.117119° N 101.896033° W. Center as described in 2015. 31 December 2016; 8:00 a.m. to 5:00 p.m.; 24°F to 44°F. Wind N

to E 0-14 mph. Still water open, no running water; cloud cover a.m. 0-25%, p.m. 0-25%. Four observers in 2 parties. Total party-hours 16.5 (1.3 on foot, 15.2 by car). Total party-miles 195.6 (1.2 by foot, 194.4 by car). Total 47 species; 9,160 individuals.

Max Thompson (compiler- maxt@cox.net), Nadine Varner, Jimmy Woodward, Eugene Young.

**Clark County.** 37.398144° N 99.913001° W. Center as described in 2010. 29 December 2016; 8:00 a.m. to 5:00 p.m.; 25°F to 53°F. Wind NW 0-20 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Four observers in 2 parties. Total party-hours 12.5 (2 on foot, 10.5 by car), plus 1 hour owling. Total party-miles 155 (1 on foot, 154 by car), plus 12 miles owling. Total 58 species; 3,205 individuals.

Irma Ailon, Galen Pittman (compiler-galenpitt@gmail.com), Sara Shane, Tom Shane.

**Council Grove.** 38.6855730° N 96.5067010° W. Center as described in 2010. 1 January 2017. 7:30 a.m. to 4:30 p.m.; 24°F to 44°F. Wind S 5 mph. Still water partly open, moving water open; cloud cover a.m. 51-75%, p.m. 51-75%. Eleven observers in 4 parties. Total party-hours 34 (9 on foot, 25 by car), plus 1 hour owling. Total party-miles 248 (18 on foot, 230 by car), plus 6 miles owling. Total 87 species; 16,179 individuals.

Kevin Courtois, Bob Hoops, Steve Jennings, Andrea MacCharles, Jim Malcolm (compiler—iambirding@prodigy.net), Brett Sandercock; Elmer Schroeder, Katherine Schroeder.

**Dodge City.** 37.777060° N 100.012287° W. Center as described in 1985. 2 January 2017; 8:00 a.m. to 5:30 p.m.; 27°F to 48°F. Wind SW to NE 5-12 mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 51-75%. Eleven observers in 4 parties, plus 1 at feeders. Total party-hours 27 (7.5 on foot, 19.5 by car), plus 1 hour owling, 1 hour at feeders. Total party-miles 310 (4 on foot, 306 by car), plus 15 miles owling. Total 71 species, 27,971 individuals.

Jeff Calhoun (compiler-jeffcalhoun11@gmail.com), Tom Ewert, Colton Farra, Kevin Groeneweg, Kurt Meier, Marie Osterbuhr, Jenn Rader, Sara Shane, Tom Shane, Bill Turner, Mike Umscheid, Cassie Wells.

**El Dorado Lake.** 37.841944° N 98.818611° W. Center as described in 2003. 28 December 2016; 8:00 a.m. to 4:30 p.m.; 35°F to 60°F. Wind N to NW 5-14 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Eleven observers in 4 parties, plus 1 at feeders. Total party-hours 31.32 (8.66 on foot, 22.66 by car), plus 0.75 hours owling, 6 hours at feeders. Total party-miles 261.8 (7 on foot, 254.8 by car), plus 1 mile owling. Total 81 species, 21,640 individuals.

Henry Armknecht, Brian Bartels, Tom Ewert, Dallas Hewett, Niall Horton, Bill Langley, Aurora Mader, Patty Marlett, Ernie Misik, Atcha Nolan (compiler-qanolan@cox.net), Karl Ossman, Carolyn Schwab.

**Emporia.** 38.448579° N 96.079284° W. Center as described in 1985. 18 December 2016; 8:00 a.m. to 5:30 p.m.; -12°F to 10°F. Wind calm. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 2 inches. Ten observers in 4 parties, 3 at feeders. Total party-hours 29 (16 on foot, 13 by car), plus 1.5 hours owling, 12 hours at feeders. Total party-miles 200 (6 on foot, 194 by car), plus 12 miles owling. Total 87 species; 15,458 individuals.

Roger Ferguson, Sherry Ferguson, Bill Jensen (compiler-wjensen1@emporia.edu), Marvin Kuehn, Kay McKnab, Paul McKnab, Alexis Powell, Ely Powell, Molly Reichenborn, Mallory Reynolds, Caite Schoeck.

**Fort Riley.** 39.16° N 96.775° W. Center as described in 2008. 14 December 2016; 6:45 a.m. to 4:00 p.m.; 14°F to 30°F. Wind N to NW 2-10 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. overcast. Six observers in 5 parties. Total party-hours 36 (18 on foot, 18 by car). Total party-miles 174 (14 on foot, 160 by car). Total 73 species; 4,825 individuals.

Tom Duckworth, Mike Houck (compiler-mike.p.houck.civ@mail.mil), Jeff Keating, Brian Monser, Gibran Suleiman, Steve Wahle.

**Garden City.** 37.916637° N 100.801463° W. Center as described in 2001. 7 January 2011; 8:00 a.m. to 6:00 p.m.; -4°F to 28°F. Wind W to E 8-13 mph. Still water frozen, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 4 inches. Thirteen observers in 5 parties, plus 21 at feeders. Total party-hours 30.5 (4.75 on foot, 25.75 by car), plus 25 hours at feeders. Total party-miles 240.75 (3.75 on foot, 237 by car). Total 64 species; 68,612 individuals.

Ann Caballero, Paul Caballero, Jeff Calhoun, Barbara Campbell, Cindy Elliott, Jeff Elliott, Donna Gigot, Daryl Hopkins, Glenda Hopkins, Kurtis Meier, Jamie Osterbuhr, Kas Osterbuhr, Kurt Osterbuhr, Marie Osterbuhr (compiler-m.osterbuhr14@gmail.com), Ron Osterbuhr, Mike Ramsey, Pam Ramsey, Kathy Sexson, Mark Sexson, Sara Shane, Tom Shane, Phil Sloderbeck.

**Halstead/Newton.** 38.043040° N 97.472938° W. Center as described in 1970. 1 January 2017; 7:00 a.m. to 5:30 p.m.; 25°F to 53°F. Wind SE 0-10 mph. Still water partly open, moving water party open; cloud cover; a.m. overcast, p.m. 26-50%. Ten observers in 4 parties. Total party-hours 34.35 (12.6 on foot, 21.75 by car), plus 0.38 miles owling. Total party-miles 214.75 (14.75 on foot, 200 by car), plus 5 miles owling. Total 77 species; 100,357 individuals.

Fred Bartel, Bob Dester, Gregg Friesen, Charlie Green, Kevin Groeneweg, Seth Hadley, Lorna Harder (compiler-lornajhh@gmail.com), Harvey Hiebert, Carolyn Schwab, Joe Soukup, Rod Wedel.

**Hays.** 38.834547° N 99.401859° W. Center as described in 1987. 18 December 2016; 8:00 a.m. to 3:00 p.m.; -16°F to 10°F. Wind W to SW 1-6 mph. Still water frozen, moving water partly open.; cloud cover a.m. 26-50%, p.m. 0-25%. Snow 1 inch. Six observers in 5 parties, plus one at feeders. Total party-hours 14.25 (1.5 on foot, 12.75 by car), plus 0.5 hours owling, 0.5 hours at feeders). Total party-miles 182.25 (1.25 on foot, 181 by car), plus 3 miles owling. Total 45 species; 10,368 individuals.

Andree Brisson, Greg Farley (compiler-gfarley@fhsu.edu), Yass Kobayaski, Kurtis Meier, Kyle Schumacher, Jim Strine.

**Holton.** 39.463006° N 95.725506° W. Center as described in 2011. 31 December 2016; 7:55 a.m. to 4:00 p.m.; 31°F to 39°F. Wind N 0-10 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Thirteen observers in 4 parties. Total party-hours 30.5 (2 on foot, 28.5 by car). Total party-miles 244.6 (1.6 on foot, 243 by car). Total 75 species; 7,409 individuals.

Judy Billings, Doris Burnett, Randy Carman, Dan Larson (compiler-birdkansa@gmail.com), Joanna Laucousiere, Debbie McKee, Carol Morgan, Sue Newland, Chad Phillips, Tara Porter, Janeen Walters, John Zempel, Linda Zempel.

**John Redmond Reservoir.** 38.274807° N 95.820825° W. Center as described in 1993. 23 December 2016; 7:30 a.m. to 3:30 p.m.; 25°F to 50°F. Wind SE to S 10-30 mph. Still water frozen, moving partly open; cloud cover a.m. 51-75%, p.m. 0-25%. Eighteen observers in 7 parties. Total party-hours 30.5 (6.5 on foot, 24 by car), plus 1 hour owling. Total party-miles 276 (5 on foot, 271 by car), plus 5 miles owling. Total 93 species; 51,845 individuals.

Nic Allen, Julie Carey, T. J. Cooper, Bob Culbertson (compiler-rculbertson@kaws.org), Carol Culbertson, Wes Fleming, Matt Gearheart, Dan Haines, Alex Lyon, Gary Menard, Lou Menard, Tim Menard, Jim Minnerath, Pam Moore, Bill Scott, Kay Scott, Art Swalwell, Dan Williamson.

**Junction City.** 39.000566° N 96.880836° W. Center as described in 1992. 26 December 2016; 7:30 a.m. to 5:00 p.m.; 28°F to 49°F. Wind S 0-19 mph. Still water open, moving open; cloud cover a.m. 0-25%, p.m. 0-25%. Eight observers in 4 parties. Total party-hours 31.83 (12 hours on foot, 19.83 hours by car), plus 1 hour owling. Total party-miles 282.8 (11 miles on foot, 271.8 by car), plus 15 miles owling. Total 82 species; 12,219 individuals.

Chod Hedinger, Niall Horton, Robert Kruger, Andrea MacCharles, Chuck Otte (compiler-otte2@cox.net), Jaye Otte, Brett Sandercock, Pat Silovsky.

**Kanopolis Reservoir.** 38.609862° N 97.952696° W. Center as described in 1983. 11 December 2016; 8:30 a.m. to 4:30 p.m.; 37°F to 39°F. Wind W to NW 10-20 mph. Still water partly open, moving water open; cloud cover a.m. overcast, p.m. 51-75%. Eight observers in 5 parties. Total party-hours 30.5 (11.75 on foot, 18.75 by car). Total party-miles 262.5 (9 on foot, 253.5 by car). Total 94 species; 92,948 individuals.

Henry Armknecht, Kevin Groeneweg, Peter Janzen, Dave Klema, Robert Kruger (compiler-robertkru@gmail.com), Mike Rader, Roger Schultz, Scott Seltman.

**Lawrence.** 38.99333° N 95.31111° W. Center as described in 1981. 17 December 2016; 7:00 a.m. to 5:00 p.m.; 27°F to 11°F. Wind N 10-25 mph. Still water partly open, moving water partly open; cloud cover a.m. light snow, overcast, p.m.

light snow, overcast. Snow 3 inches. Twenty-six observers in 11 parties, plus 4 at feeders. Total party-hours 83 (23 on foot, 60 by car), plus 4 hours owling, 17 hours at feeders. Total party-miles 450 (20 on foot, 430 by car), plus 13 miles owling. Total 100 species; 32,422 individuals.

Bob Antonio, Jill Baringer, Kelly Barth, Roger Boyd, Bill Busby, Kit Carlsen, Pam Chaffee, Calvin Cink, Lisa Grossman, David Herrin, Susan Iverson, Matt Longabough, Susan McNally, Duane Otto, Masha Otto, Rita Otto, Galen Pittman (compiler-galenpitt@gmail.com), Alexis Powell, Christopher Rogers, Stan Roth, Bob Rucker, David Seibel, Dawn Sharp, Kylee Sharp, John Tollefson, Phil Wedge.

**Leavenworth-Atchison.** 39.389810° N 95.011063° W. Center as described in 1992. 31 December 2016; 7:00 a.m. to 5:00 p.m.; 35°F to 42°F. Wind N to NW 10-15 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Six observers in 5 parties. Total party-hours 34 (7.5 on foot, 26.5 by car), plus 1 hour owling. Total party-miles 222.5 (4.5 on foot, 218 by car), plus 4 mile owling. Total 72 species; 79,495 individuals.

John Bollin III, Kathy Carroll, Carol Moyer, Stan Moyer, Galen Pittman, John Schukman (compiler-schuksaya@kc.rr.com).

**Linn County.** 38.28691° N 94.75225° W. 22 December 2016; 7:30 a.m. to 4:30 p.m.; 27°F to 42°F. Wind E to SE 5-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 26-50%, p.m. overcast. Snow <1 inch. Eleven observers in 5 parties. Total party-hours 41 (2.5 on foot, 38.5 by car), plus 1 hour owling. Total party-miles 325 (2 on foot, 323 by car), plus 19 miles owling. Total species 91; 869,893 individuals.

Jan Boyd, Roger Boyd (compiler-rboyd@bakeru.edu), Randy Ivey, Scott Kimball, Mick McHugh, Galen Pittman, Janet Reynolds, Ruth Reynolds, Sam Richards, John Zempel, Linda Zempel.

**Manhattan.** 39.188659° N 96.580997° W. Center as described in 1993. 17 December 2016; 7:30 a.m. to 4:00 p.m.; 1°F to 28°F. Wind N 10-16 mph. Still water open, moving water frozen; cloud cover a.m. overcast, light snow, p.m. overcast, heavy snow. Snow 2 inches. Forty-five observers in 17 parties, plus 8 at feeders. Total party-hours 67.85 (19.35 on foot, 48.5 by car), plus 25.25 hours at feeders, 2.25 hours owling. Total party-miles 362.4 (21.8 on foot, 340.6 by car), plus 10.5 miles owling. Total 87 species; 18,241 individuals.

Susan Blackford, Alice Boyle, Coleen Brown, Doris Burnett, Ted Cable, Diane Cable, Elizabeth Dodd, Michael Donnelly, Kevin Fay, Clyde Ferguson, Ann Feyerharm, Gary Haden, Joe Hawes, Chod Hedinger, Mark Herse, Christy Hood, Katie Hood, Evy Hood, Cindy Jeffrey, Jay Jeffrey, Lowell Johnson, Ron Klataske, Jim Koelliker, Mark Mayfield, Barry Michie, Bob Mohr, MJ Morgan, Tom Morgan, Marge Muenzenburger, Amber Myers, David Rintoul, John Row, Diane Row, Brett Sandercock (compiler—bsanderc@ksu.edu), Marla Shoemaker, Gayla Snyder, Gerry Snyder, Noel Stanton, Marie Stanton, Mike Strobe, Carla Trecek, Elisabeth Vanderlip, Ellen Welti, Sarah Winnicki, Patricia Yeager.

**Marion.** 38.377227° N 97.074830° W. Center as described in 1993. 31 December 2016; 8:00 a.m. to 4:45 p.m. 28°F to 45°F. Wind SW 0-10 mph. Still water partly open, moving water open; cloud cover a.m. 26-50%, p.m. 26-50%. Ten observers in 4 parties, plus 1 at feeders. Total party-hours 32.5 (13 on foot, 19.5 by car). plus 0.5 hours owling, plus 4 hours at feeders. Total party-miles 291 (10 on foot, 281 by car), plus 10 miles owling. Total 84 species; 17,948 individuals.

Todd Becker, Mark DeCou, Rachel DeCou, Riley DeCou, Tom Ewert (compiler-trewert@yahoo.com), Kevin Groeneweg, Dallas Hewett, Bob Hoopes, Bill Langley, Patty Marlett, Ernie Misik, Jim Nickel.

**Melvern Reservoir.** 38.497600° N 95.790205° W. Center as described in 2013. 23 December 2016; 7:00 a.m. to 5:30 p.m.; 22°F to 44°F. Wind S 10-20 mph. Still water partly open, moving water open; cloud cover a.m. clear, 51-75% p.m. Eight observers in 4 parties. Total party-hours 27 (5 on foot, 22 by car), plus 1 hour owling. Total party-miles 301 (6 on foot, 295 by car), plus 7 miles owling. Total 86 species; 26,162 individuals.

Jennifer Aldridge, Steve Howard, Steve Jennings, Jennifer Malcom, Jim Malcom (compiler-iambirding@prodigy.net), Tom Redger, Elmer Schroeder, Katherine Schroeder.

**Olathe.** 38.912700° N 94.852157° W. Center as described in 1987. 1 January 2017; 7:20 a.m. to 4:15 p.m.; 24°F to 46°F. Wind S 0-5 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. 26-50%. Eighteen observers in 7 parties, plus 1 at feeders. Total party-hours 42.65 (32.3 on foot, 10.35 by car), plus 0.3 hours owling, 1 hour at feeders. Total party-miles 244.6 (38.3 on foot, 206.3 by car), plus 0.5 miles owling. Total 74 species; 12,417 individuals.

Tony Andresen, Henry Armknecht, Dan Boers, Walt Cochran, Matt Gearheart, Mike Gearheart, Jennifer Hammett, Greg Hoefler, Mark Land, Katie Lecluyse, Micky Louis, Tami Maffit, John Mallory, Terry Swope, Mark Tarry, Nick Varvel, Jim Walton, Jeff Witters (compiler-bioguy.witters@gmail.com).

**Olsburg.** 39.428262° N 96.64407° W. Center as described in 1991. 30 December 2016; 7:45 a.m. to 5:45 p.m.; 28°F to 55°F. Wind S to SW 7-18 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 3 parties, plus 1 at feeders. Total party-hours 28 (3 on foot, 25 by car), plus 2 hours owling, 2 hours at feeders. Total party-miles 201.65 (6.75 on foot, 194.9 by car). Total 58 species; 22,839 individuals.

Doris Burnett, Cindy Jeffrey (compiler-cinraney@k-state.edu), Gary Jeffrey, Jay Jeffrey, Carol Hoogheem, Ruth Hooper, Eli Miller, Sara Miller.

**Oskaloosa/Perry Lake.** 39.201493° N 95.403925° W. Center as described in 1980. 18 December 2016; 7:30 a.m. to 5:30 p.m.; -11°F to 11°F. Wind S 2-6 mph. Still water partly open, moving water partly open; cloud cover a.m., 0-25%, p.m. 0-25%. Snow 2-3 inches. Fourteen observers in 5 parties. Total party hours 35.45 (2.75 on foot, 32.7 by car). Total party-miles 235.2 (3.2 by foot, 232 by car). Total 75 species; 20,591 individuals.



Bob Antonio, Pam Chaffee, Dena Friesen, Peter Grund, Susan Iversen, Mike Laird, Carol Morgan, Bob Rucker, Roseanne Smith, Janeen Walters, Bunnie Watkins (compiler-ranger\_rabbit@sbcglobal.net), Molly Zahn, John Zempel, Linda Zempel.

**Parsons.** 37.478425° N 95.260380° W. Center as described in 1996. 30 December 2016; 7:00 a.m. to 5:00 p.m.; 25°F to 59°F. Wind SW 6-24mph. Still water open, moving water open; cloud cover a.m. 26-50%, p.m. 0-25%. Eleven observers in 5 parties, plus 3 at feeders. Total party-hours 41 (12.25 on foot, 28.75 by car), plus 1 hour owling, 11 hours at feeders. Total party-miles 344.5 (8.5 on foot, 336 by car), plus 3 miles owling. Total 96 species; 32,752 individuals.

Henry Armknecht, Andrew Burnett (compiler-aburnett9180@gmail.com), Meleia Burnett, Ella Burnett, Jeff Cox, Kevin Groeneweg, Dave Holland, Joseph Hoelscher, Lucille Janssen, Ed Miller, Carolyn Schwab, Carrie Tierney, Rick Tucker.

**Quivira National Wildlife Refuge.** 38.145925° N 98.491804° W. Center as described in 1972. 14 December 2016; 8:00 a.m. to 5:30 p.m.; 10°F to 30°F. Wind N 5-25 mph. Still water frozen, moving water partly open; cloud cover a.m. 76-95%, p.m. 76-95%. Twenty-one observers in 8 parties. Total party-hours 40.5 (11 on foot, 29.5 by car), plus 3 hours owling. Total party-miles 291 (9 on foot, 282 by car), plus 32 miles owling. Total 89 species; 35,605 individuals.

Levi Beaver, Malcolm Gold, Bob Gress, Kevin Groeneweg, Lorna Harder, Barry Jones, Lori Jones, Donnie Kazmaier, Joyce Lent, Micky Louis, Patty Marlett, Alicia Oberg, Mike Rader (compiler-mike\_rader@hotmail.com), Mark Rogers, Rachel Roth, Carolyn Schwab, Scott Seltman, Cassie Standley, Curt Van Boening, Deb Williams, Curtis Wolf.

**Red Hills.** 37.234191° N 98.686843° W Center as described in 1994. 15 December 2016; 7:50 a.m. to 5:30 p.m.; 15°F to 35°F. Wind SSE 5-26 mph. Still water partly open, moving water open; cloud cover a.m. 0-25%, p.m. 76-95%. Eighteen observers in 4 parties. Total party-hours 38 (11 on foot, 27 by car), plus 1.5 hours owling. Total party-miles 246 (10 miles on foot, 236 by car), plus 13 miles owling. Total 90 species; 10,181 individuals.

Ken Brunson, Lee Ann Brunson, Tom Ewert, Malcolm Gold, Kevin Groeneweg, Pete Janzen (compiler-pete.janzen@sbcglobal.net), Bill Langley, Micky Louis, John Mallery, Patty Marlett, Sue Newland, Atcha Nolan, Zach Poland, Jane Queal, Stan Roth, Lauren Sill, Jon Standing, Curt VanBoening.

**Salina.** 38.841702° N 97.630868° W. Center as described in 1983. 2 January 2017; 8:00 a.m. to 5:00 p.m.; 44°F to 61°F. Wind N to NW 0-10 mph. Still water open, moving water open; cloud cover a.m. 51-75%, p.m. 0-25%. Seventeen observers in 4 parties. Total party-hours 33.5 (8 foot, 25.5 by car). Total party-miles 301 (5 on foot, 296 by car). Total 68 species; 12,033 individuals.

Aaron Anders, Dan Baffa (compiler-danbaffa1@yahoo.com), Steve Cassel, Byron Graureholz, Glenda Hopkins, Robert Hawkins, Dave Haight, Dave Klema, Kaleb Kroeker, Sandra Meadows, Elizabeth Motter, Shannon Rayl, Joan Ratzlaf, Doug Rudick, Roger Schultz, Chris Slubowski, Ted Zerger.



**Sawyer.** 37.529075° N 98.702457° W. Center as described in 1990. 21 December 2016; 7:30 a.m. to 4:00 p.m.; 25°F to 47°F. Wind NE to E 0-15 mph. Still water frozen, moving water partly open; cloud cover a.m. 76-95%, p.m. 0-25%. Sixteen observers in 6 parties, plus 1 at feeders. Total party-hours 27 (7.75 on foot, 19.25 by car), plus 2 hours at feeders. Total party-miles 187.25 (4.25 on foot, 183 by car). Total 76 species; 54,567 individuals.

Aaron Austin, Kevin Becker, Ken Brunson, Leanne Brunson, Jeff Conley, Zac Eddy, Emma Foltz, Mike Hassler, Chelsea Hawk, Jordan Hofmeier (compiler-jordan.hofmeier@ks.gov), Jane Queal, Ellen Rader, Mike Rader, Mark Van Scoyoc, Scott Seltman, Ryan Waters.

**Scott Lake.** 38.583882°N 100.907423°W. Center as described in 1987. 11 December 2016; 7:40 a.m. to 5:40 p.m.; 34°F to 40°F. Wind NE 2-4 mph. Still water partly open, moving water open; cloudy cover a.m. overcast, light snow, p.m. 51-75%. Five observers in 3 parties, plus one at feeders. Total party-hours 22 (9 on foot, 13 by car), plus 1 hour at feeders. Total party-miles 136 (4 on foot, 132 by car). Total 62 species; 15,039 individuals.

Jeff Calhoun, Art Nonhof, Marie Osterbuhr, Sue Riner, Sara Shane, Tom Shane (compiler-tom.shane@sbcglobal.net).

**Sedan.** 37.1450720° N 96.1634940° W. **New count.** Center described as intersection of Road 22 and Kansas Road. 19 December 2016; 8:15 a.m. to 4:30 p.m.; -1°F to 33°F. Wind S to N 3-9 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Seven observers in 5 parties, plus 2 at feeders. Total party-hours 30.75 (4.5 on foot, 26.25 by car), plus 4 hours at feeders. Total party miles 192 (2 on foot, 190 by car). Total 81 species; 10,368.

Jane Doris, Tom Ewert, DeWayne Glover, Kevin Groeneweg, Rose Hutton, Sue Kill, Pay Marlett, Atcha Nolan (compiler—qanolan@cox.net), Carolyn Schwab.

**Slate Creek Wetlands/Oxford.** 37.232244° N 97.249507° W. Center as described 2014. 21 December 2016; 8:00 a.m. to 5:30 p.m.; 25°F to 46°F. Wind S to N 0-10 mph. Still water mostly frozen, moving water partly open; cloud cover a.m. overcast, p.m. overcast. Six observers in 3 parties. Total party-hours 28.75 (4 on foot, 24.75 by car), plus 1 hour owling. Total party-miles 247.25 (3.75 on foot, 243.5 by car), plus 21 miles owling. Total 87 species; 45,594 individuals.

Kevin Groeneweg, Patty Marlett, David Reed, Travis Ross, Max Thompson, Eugene A. Young (compiler-eugene.young@noc.edu).

**Southeast KS Mined Land.** 37.230288° N 94.968988° W. Center as described in 1992. 31 December 2016; 7:30 a.m. to 2:30 p.m.; 42°F to 54°F. Wind S 0-5 mph. Still water open, moving water open; cloud cover a.m. 0-25%, p.m. 0-25%. Sixteen observers in 6 parties. Total party-hours 28.25 (1.75 on foot, 26.5 by car). Total party-miles 164 (1.25 on foot, 162.75 by car). Total 60 species; 4,185 individuals.

Henry Armknecht, Mavis Benner, Ray Benner, Wayne Bockelman, Megan Corrigan, Cindy Ford, Steven Ford (compiler-sford@pittstate.edu), Andy George, Collins Haynes, Joyce Haynes, David Henness, Lawrence Herbert, Cyndi Ivey, Delia Lister, Elizabeth Mangile, Robert Mangile, Emmett Sullivan.

**Stanton County.** 37.527153° N 101.870852° W. **New count.** Center at intersection of county road R and US Highway 160 at the southeast corner of the town of Manter. 1 January 2017; 8:15 a.m. to 4:15 p.m.; 23°F to 58°F. Wind S 0-10 mph. Still water partly open, moving water none; cloud cover a.m. 0-25%, p.m. 0-25%. Two observers in 1 party. Total party-hours 8 (1 on foot, 7 by car). Total party-miles 94 (1 on foot, 93 by car). Total 38 species; 2,664 individuals.

Sara Shane, Tom Shane (compiler-tom.shane@sbcglobal.net).

**Tallgrass Prairie National Preserve.** 38.434226° N 96.559501° W. Center as described in 2010. 6 January 2017; 8:30 a.m. to 4:30 p.m.; 1°F to 18°F. Wind N to NW 5-10 mph. Still water partly open, moving water party open; cloud cover a.m. 26-50% , p.m. 0-25%. Snow <1 inch. Ten observers in 3 parties. Total party-hours 18.5 (1.5 on foot, 17 by car). Total party-miles 134.1 (1.6 on foot, 132.5 by car). Total 61 species; 4,240 individuals.

Ken Brunson, Bill Busby, Chris Hase, Kristen Hase (compiler-kristen\_hase@nps.gov), Greg Kramos, Darin McCullough, Dan Mulhern, Brian Obermeyer, Gwen Shirkey, Greg Wingfield.

**Topeka.** 39.048198° N 95.678162° W. Center as described in 1972. 2 January 2017; 7:30 a.m. to 4:30 p.m.; 46°F to 49°F. Wind N to E 0-5 mph. Still water open, moving water open; cloud cover a.m. overcast, p.m. overcast. Twenty-five observers in 11 parties, plus 4 at feeders. Total party-hours 66.35 (25.6 on foot, 40.75 by car), plus 1 hour owling, 10 hours at feeders. Total party-miles 265.9 (24.9 on foot, 241 by car), plus 0.5 mile owling. Total 96 species; 29,509 individuals.

Judy Billings, Randy Carman, Glen Caspers, Kelly Haller, Jeff Hansen, Klio Hobbs, Mary Hobbs, Dan Hoobler, Jennifer Jones, Joanna Laucousiere, Dan Larson (compiler-birdkansas@gmail.com), Brandon Magette, Jim Malcom, Sam Mannell, Terry Mannell, Bob McElroy, Debra McKee, Carol Morgan, Sue Newland, Rhonda Simpson, Susan Smith, Vivien Smith, Janeen Walters, John Zempel, Linda Zempel.

**Udall/Winfield.** 37.264828° N 96.973753° W. Center as described in 1972. 18 December 2016; 8:00 a.m. to 5:00 p.m.; -3°F to 13°F. Wind N to NW 0-7 mph. Still water partly open, moving water partly open; cloud cover a.m. clear, p.m. clear. Snow 1 inch. Eleven observers in 5 parties, plus 1 at feeders. Total party-hours 43.8 (1.4 on foot, 42.4 by car), plus 1.5 hours owling, 1 hour at feeders. Total party-miles 379.2 (2 on foot, 377.2 by car), plus 26 miles owling. Total 97 species; 185.315 individuals.

Betty Anderson, Duane Anderson, Chad Anderson, Corina Anderson, Terry Barnett, Jane Doris, Kevin Groeneweg, Sue Kill, David Reed, Bryon Rinke, Max Thompson (compiler- maxt@cox.net), Eugene Young.

**Waconda Lake.** 39.466249° N 98.358460° W. Center as described in 1992. 22 December 2016; 7:30 a.m. to 5:30 p.m.; 23°F to 41°F. Wind S to SW 0-10 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Five observers in 3 parties. Total party-hours 24 (11 on foot, 13 by car). Total party-miles 250.5 (1 on foot, 249.5 by car). Total 76 species; 415,784 individuals.

Henry Armknecht (compiler-armknecht@ruraltel.net), Brent Galliard, Dave Klema, Carolyn Schwab, Scott Seltman.

**Wakefield.** 39.22015° N 96.966367° W. Center as described in 1993. 21 December 2016; 7:30 a.m. to 4:00 p.m.; 27°F to 51°F. Wind SW to N 0-17 mph. Still water frozen, moving water frozen; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 1 inch. Six observers in 4 parties. Total party-hours 22.25 (9 on foot, 13.25 by car), plus 1 hour owling. Total party-miles 158.6 (10.1 on foot, 148.5 by car), plus 8 miles owling. Total 78 species; 11,416 individuals.

Gary Haden, Mike Houck, Jeff Keating, Sue Newland, Chuck Otte (compiler-otte2@cox.net), Brett Sandercock.

**Webster Reservoir.** 39.423129° N 99.407639° W. Center as described in 1992. 30 December 2016; 8:00 a.m. to 5:30 p.m.; 23°F to 58°F. Wind S 5-20 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Three observers in 3 parties, plus 1 at feeders. Total party-hours 16.5 (5.5 on foot, 11 by car), plus 1 hour at feeders. Total party-miles 206.5 (2.5 on foot, 204 by car). Total 78 species; 39,206 individuals.

Jenn Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Scott Seltman, Michael Zajic.

**Wichita.** 37.691340° N 97.349680° W. Center as described in 1955. 17 December 2016; 7:30 a.m. to 4:00 p.m.; 10°F to 23°F. Wind N 18-30 mph. Still water partly open, moving water partly open; cloud cover, a.m. overcast, light snow, p.m. overcast, moderate snow. Snow 0.5 inches. Fourteen observers in 7 parties, plus 6 at feeders. Total party-hours 48 (12.5 on foot, 35.5 by car), plus 2 hour owling, plus 14.25 at feeders. Total party-miles 318 (10.25 on foot, 307.75 by car), plus 19 miles owling. Total 95 species; 52,456 individuals.

Jeff Calhoun, Tom Ewert, Harry Gregory, Sharon Gregory, Bob Gress, Paul Griffin, Kevin Groeneweg (compiler-kgroeneweg@sbcglobal.net), Dallas Hewett, Pete Janzen, Douglas Lamoureux, Bill Langley, Patty Marlett, Dale Randall, Dale Roark, Rachel Roth, Eddie Stegall, Curt VanBoening.

**Wilson Lake.** 38.944288° N 98.571752° W. Center as described in 1994. 18 December 2016; 8:00 a.m. to 5:30 p.m.; -13°F to 18°F. Wind S to SW 5-15 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 0-25%. Snow 2 inches. Five observers in 3 parties, plus 1 at feeders. Total party-hours 25 (11 on foot, 14 by car), plus 1 hour owling, 2 hours at feeders. Total party-miles 227 (4 on foot, 223 by car), plus 5 miles owling. Total 91 species; 587,354 individuals.

David Klema, Jennifer Rader, Mike Rader (compiler-mike\_rader@hotmail.com), Roger Schultz, Scott Seltman.

**Yoder.** 37.897589° N 97.866716° W. Center as described in 2000. 4 January 2017; 8:15 a.m. to 4:30 p.m.; 11°F to 28°F. Wind N to NE 5-15 mph. Still water partly open, moving water partly open; cloud cover a.m. 0-25%, p.m. 76-95%. Sixteen observers in 7 parties. Total party-hours 25.75 (11.25 on foot, 14.5 by car). Total party-miles 330.5 (6.5 on foot, 324 by car). Total 89 species; 32,132 individuals.

Levi Beaver, Stephanie Carlson, Mary Clark ([compiler-mclark@hutchrec.com](mailto:compiler-mclark@hutchrec.com)),  
Kris Davis, Daniel Dyck, Linda Dyck, Steven Kinser, Anthony Miller, Dwight Miller,  
Jay Miller, Michael Miller, Verna Miller, Sarah Parsons, Mike Rader, Carolyn Schwab,  
Jim Smith.

Table 3. 2016-2017 KOS CBC

Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Greater White-fronted Goose	11	3				9	5092				8	1	6	
Snow Goose unidentified	136			6961	CW	12008	19551		40		3960		924	13
Snow Goose White form		CW	210				65			471				128
Snow Goose Blue form		CW	70				21			63				
Ross's Goose	30	CW		1		6	1		3		200		2	
Cackling Goose	67	1606	64	9	20	83	129			20	32	139	395	35
Canada Goose	2592	2333	3170	1872	825	7691	9641		20	1300	784	2493	6276	553
Mute Swan													CW	1
Trumpeter Swan							103							
Tundra Swan							2							
Wood Duck		1					CW						13	
Gadwall	4	159	107	2		45	4			9	15	21	6	4
American Wigeon	3	17		1	1	1					306		14	8
American Black Duck														
Mallard	62	2835	262	1620	350	2578	2719		2	288	833	145	363	59
Blue-winged Teal														
Northern Shoveler	64	13		1		11	CW	CW			20		23	
Northern Pintail	1	3				1	CW			2	12			
Green-winged Teal		2		2			CW			17	2	125		12
Canvasback		29			1	8				6		1	16	4
Redhead		5			6	CW				13	4	6	2	10
Ring-necked Duck	4	142	24	15	1	10	5			26	42		13	35
Greater Scaup			6			1								
Lesser Scaup	8	20			CW	2				62	6		1	13
White-winged Scoter														
Black Scoter														
Long-tailed Duck						CW	CW							
Bufflehead		CW	2			CW				9		3	1	2
Common Goldeneye		24	22	28	2	378	26		2	356	12	94	61	6
Hooded Merganser	1	165	15	1		2			1	63		10		20
Common Merganser	2			6	CW	8			4	1460		16	12	
Red-breasted Merganser										1		5		
Ruddy Duck			2											
duck species							324							
Northern Bobwhite	8		45		52		13		17	21	12	25		55
Scaled Quail								30						
Ring-necked Pheasant	59	2			10		23	13			18			
Greater Prairie-Chicken					53		3			6			18	12
Wild Turkey		3	66		219	3	464			96	1		135	212
Pied-billed Grebe		3	2			5	4		1	3			6	
Horned Grebe														
Eared Grebe														
Rock Pigeon	190	213	11	43	48	102	34	56	80	88	2502	163	829	41
Eurasian Collared-Dove	203	14	27	10	55	7	81	1528	300	10	2252	31	42	
White-winged Dove					1		12	81	4		31			
Mourning Dove	119	73	58	48	111	55	58	330	113	125	242	8	58	26
Greater Roadrunner		1									1			
Virginia Rail					1			1						
American Coot	1	4	2	4		69	10		22	4		6	3	
Sandhill Crane	275													
Killdeer								2				1		2
Least Sandpiper														
Wilson's Snipe			1									4	1	
American Woodcock														
Greater Yellowlegs														
Bonaparte's Gull		1										2		
Ring-billed Gull	53	181		4			2			416		1121		2
California Gull	1	1												
Herring Gull	1	70								38		32	1	
Thayer's Gull														
Lesser Black-backed Gull														
Glaucous Gull														
gull species												1		
Pacific Loon														
Common Loon														
Double-crested Cormorant		8	1			9						1	2	
American White Pelican		7												
American Bittern							CW							
Great Blue Heron	11	11	1		2	2	8	1	2	9	1	9		9
Great Egret														
White-faced Ibis														
Turkey Vulture														
Bald Eagle adults		19	3	10	CW	13	21		2	18		2	7	11
Bald Eagle immatures		7	5	8		2	29			12		1	1	5
Northern Harrier	38	15	9	4	37	3	65	15	23	45	29	42	44	34
Sharp-shinned Hawk	1		3		1	1	1	3	1	1	1	2	3	9
Cooper's Hawk	3	3	2	1	2	3	1		1	3	4	5	1	5
Northern Goshawk														
Accipiter species														3
Red-shouldered Hawk		5	9	2		2				6		5	4	
Red-tailed Hawk	198	80	124	36	98	61	61	26	33	71	92	128	60	54
Harlan's Hawk		1	2				2	1		1	3	3	2	3
Rough-legged Hawk	1				6		5	2	8	4	4	4	4	5
Ferruginous Hawk							2	2	1		7			
Buteo species														
Golden Eagle								6						
Barn Owl	1						1	4	1		3			
Eastern Screech-Owl		3	2	1	5	1	1				4		1	
Great Horned Owl	10	7	6	2	3	3	3	5		3	14	1	4	
Snowy Owl													CW	
Barred Owl	4	10	1	6	4	1			2	2		5	8	2
Long-eared Owl					CW					3			2	
Short-eared Owl			1		2					3		1		
Belted Kingfisher			2	3	4	2	CW		1	1		2		4
Lewis's Woodpecker														
Red-headed Woodpecker		1	47	8	3	76							2	8
Red-bellied Woodpecker	37	47	54	60	37	45	12		4	43	2	40	22	24

Table 3. 2016-2017 KOS CBC Species	Anthony	Arkansas City	Baldwin	Benedictine Bottoms	Black Wolf	Bonner Springs	Cheyenne Bottoms	Cimarron NG	Clark County	Council Grove	Dodge City	El Dorado Lake	Emporia	Fort Riley
Yellow-bellied Sapsucker	1	10	7	1	1	4		1		6		6	5	5
Ladder-backed Woodpecker														
Downy Woodpecker	13	11	48	29	24	24	8	1	3	29	13	23	18	15
Hairy Woodpecker	3	3	10	9	9	3	5		3	6	4	4	3	4
Northern Flicker unidentified	7	21	46	31	31	27	25	7	2		18	22	69	46
Northern Flicker Yellow-shafted	16	17			18		21	3	3	34	9	12	2	28
Northern Flicker Red-shafted	1	1			7		6	13	1	3	7	2	1	10
Pileated Woodpecker		2	8	5		1				4		2	2	5
American Kestrel	22	15	18	8	36	18	11	28	20	11	42	30	6	3
Merlin	1	2	1	1	3		1	4	2	1	7		2	1
Peregrine Falcon														
Prairie Falcon	4			1	2	1	2	7	3		9			
Eastern Phoebe														
Loggerhead Shrike	14	3			4		2	4	1	2		3	1	2
Northern Shrike					CW					1				
Blue Jay	26	30	175	79	8	172	5	CW		85	4	47	24	90
Black-billed Magpie					CW						11			
American Crow	13	186	245	65	88	134	21		5	345		75	154	161
Common Raven								8						
Horned Lark	116	175	473	14	4079	3	1566	369	165	90	247	35	268	
Carolina Chickadee	21	56												
Black-capped Chickadee			64	35	54	103	CW			67		55	21	50
Tufted Titmouse	28	38	46	11	2	81				20		21	11	18
Red-breasted Nuthatch	1	CW	1	1	3		CW			2	3	3		
White-breasted Nuthatch	3	23	29	42	47	38	7			9	5	26	11	18
Brown Creeper	8	8	2	4	5	2	2			5	3	7	4	3
Winter Wren	4	1	3	2	1	6	2			4	1	4	1	3
Sedge Wren														
Marsh Wren					1		1	3	4			1		
Carolina Wren	18	14	36	41	18	34	2		1	10	6	28	11	7
Bewick's Wren												1		
Golden-crowned Kinglet	5	6	3	8		3	1			9		4	9	2
Ruby-crowned Kinglet	2	4		3		3	1		1	2		5		4
Eastern Bluebird	58	132	98	60	31	118	5		1	76		114	24	78
Mountain Bluebird					67		8							
Townsend's Solitaire														
Hermit Thrush									1		1		1	
American Robin	17	21325	3300	187	108	86	55	29	17	1765	78	799	831	720
Gray Catbird									1					
Brown Thrasher														
Northern Mockingbird	11	16	13	1	1	10	1			3		12		1
European Starling	2250	884	1809	301	853	564	1879	961	420	4300	10150	10625	1472	686
Cedar Waxwing	6	81	93		20	2	7			76		57	18	85
House Sparrow	415	123	10	49	220	110	145	1112	300	177	1403	85	55	2
American Pipit														
House Finch	19	2	46	7	50	28	12	19	4	35	101	30	37	8
Purple Finch			30	7	CW	21							2	2
Red Crossbill														
Pine Siskin							CW							
American Goldfinch	35	346	77	60	67	54	2	27		33	5	112	58	43
Lapland Longspur	362		78	6	11275		1182	53	220	13	17		47	
Chestnut-collared Longspur	60													
Smith's Longspur										3			36	
McCown's Longspur														
Longspur species														
Orange-crowned Warbler		1												
Common Yellowthroat								1						
Yellow-rumped Warbler Myrtle	2	49	49	4	10	31	1		1	63		49	20	51
Yellow-rumped Warbler Audubon's														
Spotted Towhee	4	5		2	9		2	1		2		2		5
Eastern Towhee														
American Tree Sparrow	134	12	93	126	2868	43	871	29	21	375	127	174	58	423
Chipping Sparrow														
Field Sparrow	11	6	1		4			1				9		
Vesper Sparrow														
Lark Sparrow														
Lark Bunting								1						
Savannah Sparrow	100	14	69	1	4	6	19				8		9	
Le Conte's Sparrow				1										
Fox Sparrow	5	14	10	4	2	1	2			3	3	1	6	4
Song Sparrow	96	75	58	82	50	20	29	18	3	22	23	28	15	19
Lincoln's Sparrow	3	2	3	2	3	1				1		2	3	2
Swamp Sparrow		6	1	12	1	25								
White-throated Sparrow		24	49	25	1	26							15	
Harris's Sparrow	359	220	72	164	775	64	135	3	7	179	92	155	167	154
White-crowned Sparrow	394	27	35	97	44	21	35	296	43	24	215	7	31	2
Golden-crowned Sparrow					1									
Dark eyed Junco Slate-colored		442	1260		990		366	23	35	412	160	667	967	154
Dark eyed Junco Oregon		2	3		2		2					1	3	1
Dark eyed Junco Pink-sided														11
Dark eyed Junco White-winged														4
Dark eyed Junco unidentified	333	153		452		397	200	10			141			385
Sparrow species														
Northern Cardinal	53	98	167	153	61	87	23		2	72	19	69	56	45
Black-headed Grosbeak														
Red-winged Blackbird	144302	492	9000	17	260	1045	560921	3111	570	2431	947	3451	1261	5
Eastern Meadowlark	253	1	1	47	1	1	7			2		1	2	17
Western Meadowlark	15	1	87	14	350	1	74	863	600		425		13	
Meadowlark species	2224	519	123	21	1375	54	638			117	830	62	92	11
Yellow-headed Blackbird														
Rusty Blackbird	2		246		5	30				27	25		17	
Brewer's Blackbird	3966	225	79		385		398		5	12	99		127	
Common Grackle	152	1	55	CW	1	500	8	50	2	4	4	1	1	
Great-tailed Grackle							6	37	2		1242	7		
Brown-headed Cowbird	2517	380	69	2	37	70	263	3		10	9		3	
Baltimore Oriole														
Blackbird species	150000													
Total Species	82	90	83	77	81	85	76	47	58	87	71	81	87	73
TOTAL INDIVIDUALS	312683	34454	22744	13065	26332	26992	607970	9160	3205	16179	27971	21640	15458	4825

Table 3. 2016-2017 KOS CBC

Species	Garden City	Halstead/Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir	Olathe
Greater White-fronted Goose		1358			125						37	19		3
Snow Goose unidentified		1480	10		115				23300	340		105		
Snow Goose White form				1	16540	4300		54			517		9000	
Snow Goose Blue form					1600	700		5			6		655	
Ross's Goose		8		1	1	12	1	6	1			1		
Cackling Goose		7012		29	13	1	110	50	10	11	187	176	231	57
Canada Goose	95	8083	32	2861	3236	833	287	3150	2100	880	3402	3115	3699	2523
Mute Swan														
Trumpeter Swan					6			8			1	CW		
Tundra Swan														
Wood Duck	64							2		3				
Gadwall					84		96	125		50	23	7	52	25
American Wigeon	18				4		8	48		2	CW	2		
American Black Duck								2						
Mallard	781	597		78	17178	318	409	3470	3200	3336	1066	804	844	126
Blue-winged Teal				1										
Northern Shoveler	4	2			27			2	6		CW	64		48
Northern Pintail		4			1		1	2		3	1	1		1
Green-winged Teal	25	4			6	12	232	2		1	78		13	
Canvasback		8		2	101			CW	5	7	1	2	45	
Redhead				4	2			19		2	CW	14	75	
Ring-necked Duck				10	25	2	2	4	1	1	CW	6	86	
Greater Scaup					24									
Lesser Scaup		9			70		12	22		1	CW	CW	219	
White-winged Scoter								1						
Black Scoter							2							
Long-tailed Duck					2		1	CW						
Bufflehead				1	70	1	12	11		20	2		46	2
Common Goldeneye				126	127	120	821	310	250	25	14	405	356	19
Hooded Merganser				2	190	2	18	92		157	59	2	28	5
Common Merganser				200	37	13	59	610	72	1	744	46	436	
Red-breasted Merganser					4		7	1			2		1	
Ruddy Duck							5	CW		10	1		3	
duck species				23	50									
Northern Bobwhite	118	16			17	1	29		1		22	8	32	
Scaled Quail														
Ring-necked Pheasant	116	1	25	1			4							
Greater Prairie-Chicken							2						3	
Wild Turkey		2	9	52	11	18	28		1	2	164	12	112	29
Pied-billed Grebe					30	1	3	4		28	2	1	4	2
Horned Grebe					1	1				1				
Eared Grebe								1					1	
Rock Pigeon	1575	70	133	47	40	84	47	241	44	23	261	43	421	94
Eurasian Collared-Dove	7785	92	82	4	5	11	28	12	4	5	28	24	18	8
White-winged Dove	349										1	CW		
Mourning Dove	54	61	65	10	33	25	2	60	10	108	36	17	127	144
Greater Roadrunner														
Virginia Rail						1		1						
American Coot	6				94		1	48	3	41	5	4	154	6
Sandhill Crane														
Killdeer		1					2	2			3		2	
Least Sandpiper														
Wilson's Snipe			1											
American Woodcock					1									
Greater Yellowlegs														
Bonaparte's Gull					5		170	4		10	76		92	
Ring-billed Gull				12	298	103	316	1860	43	41	594	859		2637
California Gull														
Herring Gull					11	2	4	9			6	26	8	6
Thayer's Gull								CW			CW			
Lesser Black-backed Gull														
Glaucous Gull											CW			
gull species														
Pacific Loon							1							
Common Loon					11	3	1	CW		2			1	
Double-crested Cormorant		9			123	2	87	22		32	24			
American White Pelican					22	2	3			13		2		
American Bittern														
Great Blue Heron	1	13			82	7	11	4	1	18	21	9	19	1
Great Egret														
White-faced Ibis														
Turkey Vulture														
Bald Eagle adults		2	1	4	18	14	6	9	36	16	21	15	9	5
Bald Eagle immatures			1	1	28		4	4	29	10	14	5	7	
Northern Harrier	25	10	5	15	61	19	14	13		48	15	20	41	7
Sharp-shinned Hawk	2	2		1	1	1	1	3	1		4	1	1	3
Cooper's Hawk	3	7	CW	3	2	1		3	1	1	2	2	3	7
Northern Goshawk														
Accipiter species														
Red-shouldered Hawk				11	3	1		4		23	1		1	5
Red-tailed Hawk	83	88	24	91	127	105	51	67	59	179	54	100	118	145
Harlan's Hawk		1			1	3	1			3	3	4		7
Rough-legged Hawk	4	1			8	4	3				4	1	2	
Ferruginous Hawk	4													
Buteo species		3				3					3			
Golden Eagle										1				
Barn Owl	2													
Eastern Screech-Owl		1	CW				2			2				
Great Horned Owl	13	10	2	1	1	3		5	1	5	1	3	1	1
Snowy Owl														
Barred Owl		1		1		3		9	2	3	3	1	4	2
Long-eared Owl														
Short-eared Owl	1												3	
Belted Kingfisher		4	1	3	4	3	8	2	1	2	CW	4	1	12
Lewis's Woodpecker														
Red-headed Woodpecker				3	2	7		17	9	61	24			29
Red-bellied Woodpecker	5	41	3	33	21	34	34	69	35	102	62	30	34	68
Yellow-bellied Sapsucker	2	CW		1	2	1	3	9		5	14	1	1	4



Table 3. 2016-2017 KOS CBC Species	Garden City	Halstead/Newton	Hays	Holton	John Redmond	Junction City	Kanopolis Reservoir	Lawrence	Leavenworth Atchison	Linn County	Manhattan	Marion	Melvorn Reservoir	Olathe
Ladder-backed Woodpecker														
Downy Woodpecker	21	34	10	26	7	4	17	45	11	58	52	25	27	48
Hairy Woodpecker	5	8	2	4	4	3	13	8	1	7	11	5	4	17
Northern Flicker unidentified	220	20	5	41	16	7	47	30			36	7	53	
Northern Flicker Yellow-shafted		6	2		28	29	30	50	15	56	58	16		46
Northern Flicker Red-shafted	12	3	3			6	4				1	3		
Pileated Woodpecker					2			2	7	28	6			12
American Kestrel	15	40	6	23	5	17	22	13	22	19	5	17	6	30
Merlin	2	1			1	2	3		1		1	1	1	
Peregrine Falcon														
Prairie Falcon	3		3		1		1	3			2	1		
Eastern Phoebe														
Loggerhead Shrike				1	4	2	3			4		1	1	
Northern Shrike			1				1						1	
Blue Jay	19	41		56	39	51	15	103	89	226	123	39	87	147
Black-billed Magpie	5		2											
American Crow		52	4	132	101	225	39	277	165	199	2848	143	321	122
Common Raven														
Horned Lark	542	169	1993	27	110	85	45	158	10	6	59	2347	155	
Carolina Chickadee														
Black-capped Chickadee		101	14	21	20	36	59	124	48	55	141	50	31	99
Tufted Titmouse		9		7	15	13		56	18	85	29	7	8	82
Red-breasted Nuthatch	8	5	32	2	1	1	4	4	2		17	10	1	1
White-breasted Nuthatch	19	19	2	11	12	15	18	33	29	38	32	13	5	45
Brown Creeper	1	3	CW	4	7	3	5	10	2	12	9	6	8	50
Winter Wren		1		2	1	1	4		4	1	CW	5	2	7
Sedge Wren							1			2				
Marsh Wren	6						3							
Carolina Wren	1	32	2	8	4	12	26	23	27	57	15	20	12	47
Bewick's Wren											2			
Golden-crowned Kinglet	2	12			1	3	7	10		39	6	9	5	22
Ruby-crowned Kinglet		5		1	3	1	2	2	7		3	3		3
Eastern Bluebird	16	72	3	76	43	83	90	160	53	52	119	71	154	140
Mountain Bluebird				1										
Townsend's Solitaire	16													
Hermit Thrush		1		1	1	1	2	6	4	1	2			3
American Robin	93	892	113	104	425	1368	354	2765	35	162	1303	579	1431	277
Gray Catbird								1						
Brown Thrasher	1													
Northern Mockingbird	2	5		11	9	2		3	4	19		4	3	12
European Starling	23597	785	273	1407	866	715	2412	1830	600	517	785	1213	3412	1103
Cedar Waxwing	15	285	18	8	6	153	15	230	1	37	99	12	47	1
House Sparrow	1604	78	332	224	10	21	67	168	30	107	258	73	343	44
American Pipit					1			CW						
House Finch	278	42	20	22	6	46	38	168	22	23	165		52	30
Purple Finch				1			7	26	3	12	18	64		13
Red Crossbill														
Pine Siskin											18			
American Goldfinch	4	33	14	46	11	44	412	339	60	49	322	103	79	96
Lapland Longspur	13	15	4780			500	40	29				59	21	
Chestnut-collared Longspur														
Smith's Longspur													5	
McCown's Longspur														
Longspur species														
Orange-crowned Warbler														
Common Yellowthroat														
Yellow-rumped Warbler Myrtle		46	2	20	36	64	55	42	8	22	104	30	9	41
Yellow-rumped Warbler Audubon's														
Spotted Towhee		2				1	7	1			5	1	2	
Eastern Towhee							1		2					
American Tree Sparrow	213	77	191	189	166	171	420	212	35	27	499	189	674	67
Chipping Sparrow								2						3
Field Sparrow	2	2				6	7			3		1		6
Vesper Sparrow		2												
Lark Sparrow														
Lark Bunting														
Savannah Sparrow		20		2				2		40		6		20
Le Conte's Sparrow								3						
Fox Sparrow		2		2	5		4	39		5	6	3	1	4
Song Sparrow	28	33	32	75	16	10	44	137	37	98	51	41	8	80
Lincoln's Sparrow		2		2			1	3	9	5	3	1		2
Swamp Sparrow		1		3			3	95	2	40	2		3	12
White-throated Sparrow		1		5	2	1		57	26	75	8		5	55
Harris's Sparrow	20	513	24	79	59	67	514	127	60	17	273	357	287	16
White-crowned Sparrow	2456	68	27	11	39	9	2	19	64	83	46	66	57	62
Golden-crowned Sparrow														
Dark eyed Junco Slate-colored	59		14		500	340	580	1969	330	708	2413	372	344	667
Dark eyed Junco Oregon			7					8		2	5			
Dark eyed Junco Pink-sided	1						1							
Dark eyed Junco White-winged														
Dark eyed Junco unidentified	596	793	88	541	121		464							
Sparrow species														
Northern Cardinal	9	105	6	71	20	39	67	223	89	97	387	63	89	82
Black-headed Grosbeak					1									
Red-winged Blackbird	21317	76282	981	102	8097	657	6621	12000	47000	850000	288	4651	1222	2719
Eastern Meadowlark		4		26	270	38	15	5	1	6	9	3		2
Western Meadowlark	1440	1	945			2		4	1	27		2		
Meadowlark species	150	583		300		311	379	250	140	62	57	641	162	45
Yellow-headed Blackbird								1			1			
Rusty Blackbird	1			10		25	14	27	22	55				
Brewer's Blackbird			23			2	1266					181		
Common Grackle	106			2			1	10	1000	10000			5	6
Great-tailed Grackle	4017								50	1000				
Brown-headed Cowbird	542	50		69		28	755	3	123	15	4	390	10	
Baltimore Oriole								1						
Blackbird species					52	222	75000					5		
Total Species	64	77	45	75	93	82	94	100	72	91	87	84	86	74
TOTAL INDIVIDUALS	68612	100357	10368	7409	51845	12219	92948	32422	79495	869893	18241	17946	26162	12417



Table 3. 2016-2017 KOS CBC Species	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Stanton County	Tallgrass Prairie NP	Topeka
Greater White-fronted Goose		3	75	2670	4		1183	2	70	291			7	6
Snow Goose unidentified	CW			850										
Snow Goose White form			2	330	CW	10	37142	16		26		1		7
Snow Goose Blue form				40			20	5					1	1
Ross's Goose				35			5332	2		78			1	53
Cackling Goose		36	8	10	14	9	96	50	170	3064		15	7	
Canada Goose	270	4501	310	1223	435	2915	3577	585	2170	3274	167	14		4004
Mute Swan														
Trumpeter Swan			5						2				7	
Tundra Swan														
Wood Duck			CW				3							
Gadwall	23	38	50		2	7			95	5			6	23
American Wigeon		1	2	4	19	19			5	6		2		2
American Black Duck														
Mallard	4267	394	12542	1283	262	430	169	16	2615	2103	8	150		245
Blue-winged Teal														
Northern Shoveler			5	4	2		1				8			1
Northern Pintail	4		2	75	6		4			13		2		
Green-winged Teal	37		8	1	8	5				1		1		10
Canvasback		2	12	1	1					1				4
Redhead		3	1	12		10	1		2				1	18
Ring-necked Duck			349			12			24	8				41
Greater Scaup														9
Lesser Scaup				2		1		1	2	7			12	25
White-winged Scoter														
Black Scoter														
Long-tailed Duck														
Bufflehead		10	8	1					3					8
Common Goldeneye	2	56	42	21		13			54	18			90	90
Hooded Merganser	1	5	37						220	1				24
Common Merganser	3415	5501	24	1	29	1		2	200	6			40	8
Red-breasted Merganser		3												
Ruddy Duck	3			13										3
duck species	2	17						3			2			
Northern Bobwhite	11		10	100	6	23	82	1	18	26			30	7
Scaled Quail												13		
Ring-necked Pheasant				43	1	3	15	2		29		1		
Greater Prairie-Chicken													2	
Wild Turkey	5	1		208	45	16	8	357			13		7	87
Pied-billed Grebe		2	3	3	1				7		9			14
Horned Grebe														
Eared Grebe														
Rock Pigeon	2	18	19	1	91	740	30	259	8	4	6	216		486
Eurasian Collared-Dove	2	4	18	31	20	41	54	1651	13	37	6	607	9	86
White-winged Dove							CW					1		
Mourning Dove	13	77	184	60	12	82	100	1	82	156	28	2	15	500
Greater Roadrunner				3	1		1							
Virginia Rail				3										
American Coot		1	3	3		38		1		11			1	400
Sandhill Crane				50	1371									
Killdeer		2	4							2	7			
Least Sandpiper														
Wilson's Snipe					5				1					
American Woodcock														
Greater Yellowlegs				CW										
Bonaparte's Gull														
Ring-billed Gull	334	1180	70	CW		446				5			1	48
California Gull														
Herring Gull	16	7					CW		1					CW
Thayer's Gull														
Lesser Black-backed Gull		CW												
Glaucous Gull														
gull species	212	33				1								
Pacific Loon														
Common Loon														
Double-crested Cormorant		13	1							1				
American White Pelican			1	1										
American Bittern														
Great Blue Heron	5	1	23	10	7	1	8	1		16	2			6
Great Egret														
White-faced Ibis				11										
Turkey Vulture														
Bald Eagle adults	16	22	3	19	3	2	2		8	8	6		10	7
Bald Eagle immatures	18	10	3	14	1	5			2	5			1	
Northern Harrier	14	17	44	71	25	12	23	5	16	29	19	9	20	7
Sharp-shinned Hawk	6	2	4	4	1	4	3	4		1	2	1		1
Cooper's Hawk	1	3	1	6	2	7	1	4		7			1	5
Northern Goshawk														
Accipiter species														
Red-shouldered Hawk		8	7						11	1	6			6
Red-tailed Hawk	44	89	256	87	57	72	44	13	50	155	93	5	30	62
Harlan's Hawk		3	3	2	1				4	8				
Rough-legged Hawk		CW	2	2	2	2		8	3			4	10	1
Ferruginous Hawk								2				2	1	
Buteo species		3				2		1			2		1	
Golden Eagle					1									
Barn Owl			3											
Eastern Screech-Owl			1	3	2		1							1
Great Horned Owl	2	5	2	26	3	2	3	5	1	8	1	2		3
Snowy Owl														
Barred Owl	1	7	5	4	2	5	1			4	1			2
Long-eared Owl					2									
Short-eared Owl			1	1									1	
Belted Kingfisher	2	1	4		8	2	1		3	1				7
Lewis's Woodpecker														
Red-headed Woodpecker		70	9						23				2	16
Red-bellied Woodpecker	17	59	55	36	32	25	18	1	38	39	43		16	101
Yellow-bellied Sapsucker		1	2	5	11		3		8	8	6			8

Table 3. 2016-2017 KOS CBC Species	Olsburg	Oskaloosa Perry Lake	Parsons	Quivira NWR	Red Hills	Salina	Sawyer	Scott Lake	Sedan	Slate Creek Wetlands	SE KS Mined	Stanton County	Tallgrass Prairie NP	Topeka
Ladder-backed Woodpecker							1							
Downy Woodpecker	6	52	22	17	21	29	16	12	14	18	22		15	81
Hairy Woodpecker	3	2	2	9	2	6	2	4	4	2	3	1		8
Northern Flicker unidentified	27	45	30	128	27	29	18	24	10	23		11	14	91
Northern Flicker Yellow-shafted	13	29	15	47	29		10	4	22	14	20		9	
Northern Flicker Red-shafted				10	7		8		5	1				
Pileated Woodpecker		2	6						9	1			2	2
American Kestrel	4	8	29	38	26	39	16	7	22	29	37	10	8	28
Merlin	4			3	2		5	2	1	1		3		2
Peregrine Falcon														CW
Prairie Falcon				1	1			1			1	4	1	1
Eastern Phoebe			2				1		1					
Loggerhead Shrike			12	6			1		2	4	4		1	1
Northern Shrike				2	1			1				1		
Blue Jay	286	139	57	1	2	23	10	3	137	48	39		2	400
Black-billed Magpie														
American Crow	11493	247	231	9	222	34	53		105	83	115		81	383
Common Raven														
Horned Lark		116	90	140	40	905	486	258	120	70	28	290	23	44
Carolina Chickadee			56		22		22		52	26	57			
Black-capped Chickadee	21	93	2			55	19		1	10			28	124
Tufted Titmouse	11	36	34			10	19		48	7	20		16	196
Red-breasted Nuthatch		2	1			4	2	2	5	5			1	9
White-breasted Nuthatch	7	47	14	7	9	15	27	2	19	3	7		7	47
Brown Creeper		5	9	2	3	4	2	2	2	1	3			25
Winter Wren	1		5	CW	3	2	4		3	2	2			6
Sedge Wren			1		2									
Marsh Wren				3	1		1	1		3				
Carolina Wren	6	8	31	1	12	20	27	1	30	24	19		6	93
Bewick's Wren					2									
Golden-crowned Kinglet			9	9	10	4		3	5	5	1			14
Ruby-crowned Kinglet			2	2	6			6		5				6
Eastern Bluebird	57	80	93	76	182	20	48	51	153	55	75		39	194
Mountain Bluebird				72	430		52							
Townsend's Solitaire					1			12						
Hermit Thrush	1	4	4	2	2		1		11					6
American Robin	399	2481	79	1324	1351	221	1131	662	917	1957	38	3	31	13576
Gray Catbird														
Brown Thrasher									1					
Northern Mockingbird									10	14	30		1	16
European Starling	176	387	593	3536	364	2983	695	5373	539	712	106	131	252	3609
Cedar Waxwing	74	646	10	6	82	26	292	6	448	75			12	71
House Sparrow	56	122	124	33	83	139	63	460	140	200	54	741	42	376
American Pipit														
House Finch	11	25	28	26	18	20	11	219	27	68	26	3	17	179
Purple Finch		24	7											8
Red Crossbill														5
Pine Siskin		1												1
American Goldfinch	139	60	149	40	34	9	16	10	84	179	70		19	183
Lapland Longspur			24	157	7	800	855	4256	100	985		29	120	
Chestnut-collared Longspur														
Smith's Longspur			CW											
McCown's Longspur												1		
Longspur species	100													
Orange-crowned Warbler							1							
Common Yellowthroat			2		1					1				
Yellow-rumped Warbler Myrtle	29	12	10	26	84	15	36		47	62	7			27
Yellow-rumped Warbler Audubon's												1		
Spotted Towhee			CW	3	4	1	1	2	14	1				1
Eastern Towhee									2					1
American Tree Sparrow	65	103	5	1530	45	60	122	1	17	221			967	124
Chipping Sparrow														
Field Sparrow		1	CW	19	8		49		19	10	1			3
Vesper Sparrow					1						1			
Lark Sparrow							1							
Lark Bunting														
Savannah Sparrow			51	20	25		6		60	14	66		40	38
Le Conte's Sparrow			CW		2									
Fox Sparrow		11	13	30	9			2	1	6	4		4	12
Song Sparrow	17	24	92	112	81	11	27	4	156	158	34		137	59
Lincoln's Sparrow	3		4	3	3				7		6		2	2
Swamp Sparrow			42	3	6				5	49	3			4
White-throated Sparrow		66	53			20	3		8		39		1	150
Harris's Sparrow	51	57	56	450	178	324	164	16	125	1016	59		362	241
White-crowned Sparrow	16	19	222	349	180	16	109	3	4	215	116	8	4	37
Golden-crowned Sparrow														
Dark eyed Junco Slate-colored	284	1171		639	734	72	12	1	562	401				
Dark eyed Junco Oregon		7		2	1		4	2	1	3				
Dark eyed Junco Pink-sided					1			1						
Dark eyed Junco White-winged														
Dark eyed Junco unidentified		1658	297	873		54	590	124		156	281	12	657	1347
Sparrow species											150			
Northern Cardinal	29	197	214	49	58	104	35	7	92	158	150		26	216
Black-headed Grosbeak														
Red-winged Blackbird	547	202	13321	17341	2778	292	738	86	84	25392	1172	61	175	670
Eastern Meadowlark			78	128	12					1				1
Western Meadowlark			CW	19	3	13	30	72	3	1		239		
Meadowlark species	156	103	425	505	186	194	777		150	1449	784		89	338
Yellow-headed Blackbird														
Rusty Blackbird		24	7		CW	30			4		6			3
Brewer's Blackbird			55	150	260		21		31	935			400	
Common Grackle			8	1		83				1005	60			1
Great-tailed Grackle						48		75		3		67		3
Brown-headed Cowbird		4	113	9	15			4		114	14			3
Baltimore Oriole														
Blackbird species		50	1666	248		336		250		130	20		300	
Total Species	58	75	96	89	90	68	76	62	81	87	60	38	61	96
TOTAL INDIVIDUALS	22839	20591	32752	35605	10181	12033	54567	15039	10368	45594	4185	2664	4240	29509

Table 3. 2016-2017 KOS CBC Species	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Greater White-fronted Goose	451	15		150	14	9	13	11635
Snow Goose unidentified		400000		8000	115	135	1685	479728
Snow Goose White form	2		440		65	23	500	69850
Snow Goose Blue form	1		70		5	4	75	3340
Ross's Goose	3	1000	11	300	6	11	65	7119
Cackling Goose	3045	8	112	150	2187	215	3	19738
Canada Goose	3197	2000	1912	2400	17051	3041	426	127318
Mute Swan								1
Trumpeter Swan					6			138
Tundra Swan								2
Wood Duck			1		91			178
Gadwall	29	3	5		254	48		1426
American Wigeon	87			1	33	4		618
American Black Duck								2
Mallard	18100	4762	479	15000	1135	2935	40	111258
Blue-winged Teal								1
Northern Shoveler					69			375
Northern Pintail	1	2		3	1	CW	1	147
Green-winged Teal	8	6		20	22	130	3	793
Canvasback				5	102		3	367
Redhead	1			12	119	5		347
Ring-necked Duck	4	2	1	17	315	15		1242
Greater Scaup					4			44
Lesser Scaup	11	1	2	1	344			854
White-winged Scoter								1
Black Scoter						4		6
Long-tailed Duck								3
Bufflehead	17	6		CW	132	40		407
Common Goldeneye	211	483	151	250	294	1200	344	6903
Hooded Merganser	146	22	5	3	326	43		1666
Common Merganser	1651	293	286	175	9	2700	2028	20095
Red-breasted Merganser	15							39
Ruddy Duck					1			41
duck species			50				2	473
Northern Bobwhite	3		27	35		26	71	968
Scaled Quail								43
Ring-necked Pheasant	2	11	1	3	1	62	4	450
Greater Prairie-Chicken		3	1			7		110
Wild Turkey	8	68	1	29	79		9	2580
Pied-billed Grebe	16	1			38	24		217
Horned Grebe								3
Eared Grebe								2
Rock Pigeon	147	50	1	32	520	50	41	10244
Eurasian Collared-Dove	38	46	1	10	27	43	16	15426
White-winged Dove		16			9			505
Mourning Dove	163	16	77	11	28	7	4	3794
Greater Roadrunner								6
Virginia Rail						1		9
American Coot	7	1	4	8	264	1325		2554
Sandhill Crane								1696
Killdeer					14			44
Least Sandpiper					2			2
Wilson's Snipe					23	2		38
American Woodcock								1
Greater Yellowlegs								CW
Bonaparte's Gull	5			1		4	5	283
Ring-billed Gull	71	3	35	28	334	130	1021	12340
California Gull								1
Herring Gull	12	2	2	13	7	91	222	587
Thayer's Gull								CW
Lesser Black-backed Gull								CW
Glaucous Gull								CW
gull species					1		1	249
Pacific Loon								1
Common Loon						3		21
Double-crested Cormorant	72	1			387	5		800
American White Pelican	CW				2		45	98
American Bittern								1
Great Blue Heron	4	4	2	CW	34	2	5	384
Great Egret					5			5
White-faced Ibis								11
Turkey Vulture							2	2
Bald Eagle adults	15	96	16	8	5	7	8	523
Bald Eagle immatures	16	4	3	6	1	8	2	272
Northern Harrier	24	49	21	18		34	71	1224
Sharp-shinned Hawk	3		5	2		4	4	99
Cooper's Hawk	2	2	1	1	5	2	2	122
Northern Goshawk						1		1
Accipiter species								3
Red-shouldered Hawk	6		1				1	129
Red-tailed Hawk	139	95	48	36	30	42	94	3954
Harlan's Hawk	5	2	3				1	70
Rough-legged Hawk		4	17	2		2	5	134
Ferruginous Hawk							6	27
Buteo species							1	19
Golden Eagle							2	10
Barn Owl						1		16
Eastern Screech-Owl	1	2		1	2	3	3	43
Great Horned Owl	3	5	2	3	2	12	4	202
Snowy Owl								CW
Barred Owl	7	2	2		CW		2	119
Long-eared Owl								7
Short-eared Owl								15
Belted Kingfisher	7	2	2		2	1	1	110
Lewis's Woodpecker								CW
Red-headed Woodpecker	7	5	1					430
Red-bellied Woodpecker	78	26	17	9	29	20	32	1689
Yellow-bellied Sapsucker	14	2			3	1	2	164

Table 3. 2016-2017 KOS CBC Species	Udall/ Winfield	Waconda Lake	Wakefield	Webster Reservoir	Wichita	Wilson Lake	Yoder	TOTALS
Ladder-backed Woodpecker								1
Downy Woodpecker	36	22	6	14	33	3	27	1110
Hairy Woodpecker	8	3		3	4	4	20	248
Northern Flicker unidentified	19	36	8	25	26	40	54	1519
Northern Flicker Yellow-shafted	33	2	6	46	31	8	26	863
Northern Flicker Red-shafted	3			1	2	4	9	142
Pileated Woodpecker	2		1					111
American Kestrel	21	14	4	18	3	19	25	913
Merlin	CW		2	1		5		70
Peregrine Falcon								CW
Prairie Falcon	2	8	2	3		CW	2	70
Eastern Phoebe								4
Loggerhead Shrike		6	1				5	95
Northern Shrike			1	1				13
Blue Jay	82	9	43	5	81	1	5	3153
Black-billed Magpie								19
American Crow	316	6	667	13	20000	6	66	40250
Common Raven								8
Horned Lark	1427	497	139	145	232	750	665	19771
Carolina Chickadee	77							389
Black-capped Chickadee	10	27	6	8	55		94	1801
Tufted Titmouse	32		2		9		5	1050
Red-breasted Nuthatch	8	1	1	22	4	2	1	172
White-breasted Nuthatch	17	51	5	15	8	2	6	864
Brown Creeper	9	6	1		3		4	252
Winter Wren	3	1			4	CW	1	97
Sedge Wren								6
Marsh Wren					CW			28
Carolina Wren	33	18	7	2	18	1	18	887
Bewick's Wren	4		1					10
Golden-crowned Kinglet	8	1		2	6	3	4	250
Ruby-crowned Kinglet	9				13	1	4	109
Eastern Bluebird	119	11	36	62	8	60	118	3464
Mountain Bluebird				21		36		687
Townsend's Solitaire				2		3		37
Hermit Thrush	5			1	2	3	5	91
American Robin	1816	7	419	360	1420	377	663	68450
Gray Catbird					1			3
Brown Thrasher					1			3
Northern Mockingbird			1		2	1	6	285
European Starling	1968	773	573	2000	2958	2500	2945	109842
Cedar Waxwing	289		65	12	26	4	6	3522
House Sparrow	355	127	14	125	486	110	91	11506
American Pipit								1
House Finch	54	36	2	40	81	75	52	2328
Purple Finch	1			2	CW		1	249
Red Crossbill								5
Pine Siskin	1				1			22
American Goldfinch	136	19	45	40	127	28	23	3941
Lapland Longspur	647	19	62	20	41	300	287	27419
Chestnut-collared Longspur								60
Smith's Longspur								44
McCown's Longspur								1
Longspur species								100
Orange-crowned Warbler					1	1		4
Common Yellowthroat						1		6
Yellow-rumped Warbler Myrtle	85		54	13	54	77	39	1486
Yellow-rumped Warbler Audubon's								1
Spotted Towhee	5		2	19	5	10	5	124
Eastern Towhee								6
American Tree Sparrow	213	695	372	515	8	1285	733	15565
Chipping Sparrow								5
Field Sparrow	19			8	3	CW	75	274
Vesper Sparrow								4
Lark Sparrow								1
Lark Bunting								1
Savannah Sparrow	190			5	6	4	22	867
Le Conte's Sparrow			1					7
Fox Sparrow	21		1	17	19	39	5	320
Song Sparrow	139	36	56	65	56	59	20	2571
Lincoln's Sparrow	11		4	1		1	10	107
Swamp Sparrow	1		1	1	6	4	1	333
White-throated Sparrow	17		4		47		10	793
Harris's Sparrow	1377	342	226	200	186	275	524	11188
White-crowned Sparrow	52	280	147	255	12	251	89	6664
Golden-crowned Sparrow								1
Dark eyed Junco Slate-colored	1784	40	209	635	544	865	782	22507
Dark eyed Junco Oregon	4	2		4	2	7	4	79
Dark eyed Junco Pink-sided								15
Dark eyed Junco White-winged								4
Dark eyed Junco unidentified	272	300		200	482	180	519	12676
Sparrow species								150
Northern Cardinal	345	44	74	31	229	22	129	4461
Black-headed Grosbeak								1
Red-winged Blackbird	16736	2497	4172	6500	455	564350	15658	2432977
Eastern Meadowlark	2	20	45			15	1	1015
Western Meadowlark	1	9	2	335	4	10	45	5651
Meadowlark species	1193	541	110	145	58	460	1168	17977
Yellow-headed Blackbird								2
Rusty Blackbird	46						1	627
Brewer's Blackbird	380	3				15	5	9023
Common Grackle	117	74				10	8	13274
Great-tailed Grackle		72			27	75		6731
Brown-headed Cowbird	1888	8		505	6	2510	16	10561
Baltimore Oriole								1
Blackbird species	125000				6		150	353435
Total Species	97	76	78	78	95	91	89	168
TOTAL INDIVIDUALS	185315	415784	11416	39206	52456	587354	32132	4166842