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THE WINTER BIRD COUNT FOR 2000

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While this year represents the start of a new century for Kansas Christmas Bird Counts (CBC), last years count represented the National Audubon Society's (NAS) 100th CBC. Though not all Kansas counts are submitted to NAS there were a few that had high counts for the 1999-2000 season. Those counts included: 31,000 White-fronted Geese at Quivira; a Krider's Red-tailed Hawk at Linn County (tied with a count in Missouri and Texas, we combine with Red-tailed because it might not be a valid race); 20 Lesser Prairie-chickens at Cimarron; 1,000,000 European Starlings at Arkansas City (tied with a count in California); 9,457 Lapland Longspurs at Waconda; and 20,000 Rusty Blackbirds at Arkansas City. National Audubon Society also published all-time high counts for CBC's as part of their special 100th edition and 10 species were from Kansas counts. These included the following: 175,000 Greater White-fronted Geese at Quivira (on 99th count); 381,200 Canada Geese at Quivira (98th count); 1,041 Northern Bobwhite at Manhattan (80th count); 914 Red-tailed Hawks at Manhattan (83rd count); 12,092 American Tree Sparrows at Emporia (84th count); 21,900 Harris's Sparrow Udall/Winfield (68th count but obviously an error and should be 4,133); 5,073 Slate-colored Juncos at Manhattan (78th count); 66,910 Lapland Lonspurs at Liberal-Seward County (93rd count); and 3,000 Chestnut-collared Longspurs at Quivira (61st count, probably erroneous).

Considering the poor weather in many parts of the state this year, Kansas' CBC's started off the new century with a respectable 51 counts, slightly above the 1990's average of 48 per year. One new count was reported this year at Blue Rapids. This year's CBC was most noticeable for the more wintry weather than the previous few years with relatively mild conditions. Twenty-nine counts (57%) never reached above freezing. Ten counts (20%) reported snow during the day and 32 (63%) reported snow cover on count day. While many counts reported freezing temperatures, only 10 (20%) reported no open water. Thirty-two counts (63%) recorded winds in excess of 10 mph.

The weather conditions probably accounted for the lower number of individual participants, 542 (excluding feeder watchers, 10.6 observers per count), after averaging 615 observers for the 1990's. Manhattan had the most number of participants with 63 followed by Red Hills with 25, Lawrence with 24, Topeka and Wichita each with 22. Jetmore, Meade, and Waconda had the fewest participants with two each. Each count averaged 4.5 parties, ranging from 22 parties in Manhattan to one on several counts. Observers traveled 12,379.7 miles, averaging 242.7 miles per count (range 7-600 miles). Manhattan tallied the greatest number of miles with 600 followed by Cimarron with 570 and Lawrence with 522. Camp Naish reported the fewest mileage with seven.

Despite the weather and fewer participants, 167 species (second highest count, 159 average for 1990's) and 8,638,136 individual birds (3,680,688 average

for 1990's) were recorded this year. An additional five species were recorded only during count week, Chihuahuan Raven and Juniper Titmouse both from Cimarron, a Western Grebe from Manhattan, a Trumpeter Swan from Topeka, and American Pipit from Parsons. The following species were omitted because of insufficient details, Chipping Sparrow, Clay-colored Sparrow, and Swainson's Hawk. No counts exceeded the century mark for the number of species, but Udall/Winfield came close with 98 followed by Manhattan with 96, Red Hills with 91, Arkansas City with 86, Wichita with 84, and Lawrence with 80. Old Garfield had the fewest number of species observed with 32 and Jetmore had only 36. Arkansas City had the highest number of birds observed with 4,674,837 followed by Slate Creek Wetlands with 1,297,081, and Cheyenne Bottoms with 1,002,432. As expected all of these counts contain a large roost of blackbirds. Red-winged Blackbird was the most abundant species recorded with 5,156,924 individuals followed by blackbird species with 1,506,125, European Starling with 586,618, and Brown-headed Cowbird with 518,783. Other species with high counts were the 160,262 Mallards (228,033 in 1999), 153,866 Common Grackles (162,036 in 1999), and 149,025 Canada Geese (134,308 in 1999). Camp Naish had the fewest number of individual birds observed with 725, followed by Jetmore (1,235 individuals), Baxter Springs (1,540), and Syracuse (1,663), all with less than 2,000.

One new species was added to CBC's this year, two Western Bluebirds observed at Hays (good details). Other unusual species for this season include one Long-tailed Duck (formerly Oldsquaw) at Cedar Bluff, an Osprey at Cheyenne Bottoms, 11 American White Pelican (eight at Quivira, and one each at Baxter Springs, Wilson and Webster), a Cinnamon Teal (Meade), a Black Duck (Topeka), a Greater Scaup (Wichita), one Least Sandpiper (Baxter Springs), one Thayer's Gull (Wilson), two Glaucous Gulls (one each at Wilson and Lawrence), one Great Black-backed Gull (Wilson), two Ring Turtle-dove (Scott Lake), 14 Inca Dove (seven at Meade, five at Garden City, and two at Dodge City), one Greater Roadrunner (Red Hills), one Burrowing Owl (Cimarron), and an Eastern Phoebe at Baxter Springs. Other western rarities included a Western Scrub Jay at Old Garfield; a Pinyon Jay at Syracuse; one Canyon Towhee, a Rufous-crowned Sparrow, a Curve-billed Thrasher, and a Rock Wren at Cimarron; nine Gray-headed Junco (five at Meade, and one each at Cimarron, Dodge City, Garden City, and Ulysses); three Audubon's Warbler (one each at Camp Naish, Cimarron, and Lakin), and a very high 41 Mountain Chickadee's (23 from Cimarron, eight at Ulysses, five at Garden City, two at Scott Lake, and one each at Meade, Syracuse, and Old Garfield). Other interesting species were a very late Sedge Wren at Red Hills, a Gray Catbird at Wakefield, two Pine Warbler (one each at Meade and Manhattan), a Snow Bunting at Scott Lake (one on count week at Manhattan), two Evening Grosbeak at Garden City, 1 Le Conte's Sparrow at Wichita, and 50 McCown's Longspur at Manhattan. While Short-eared Owls are not unusual for KS, the 67 observed is high (38 in 1999).

The only consistent trend for this year seemed to be that many species were down from the previous year. This pattern was seen among waterbirds, woodland birds, and grassland species. Even northern birds were not reported in large numbers.

Although many counts recorded open water, the amount was small so waterbirds showed the most noticeable decline in numbers. Several species were not even present during the count period, for example, there were no Common Loons, or Eared Grebes reported this year. There was only one Pacific Loon observed at Cedar Bluff, two Clark's Grebe at Cedar Bluff, a scant 35 Pied-billed Grebe (234 in 1999), and three Horned Grebes (five in 1999). Double-crested

Cormorants (86 in 2000 and 921 in 1999) and Great Blue Herons (370 in 2000 and 422 in 1999) were also down considerably. Waterfowl numbers were down for most species except for Canada Goose, the 233 Wood Duck (204 in 1999), 30,594 Common Merganser (6,434 in 1999), and the 16 Red-breasted Merganser (four in 1999) which all increased. Gull numbers were down as indicated by the mere 3,586 Ring-billed Gulls observed this year compared to the 17,141 last year. The 15 Virginia Rail's, although down from last years 22, is a testament to this species hardiness. One observed at Slate Creek Wetlands seemed at home near a small artesian well with an open water area about a 10 x 25 ft. Sandhill Cranes apparently moved further south with only 15 being recorded (14,664 average from 1997-1999), all from the Red Hills.

Bald Eagle, Ferruginous Hawk, Rough-legged Hawk, Golden Eagle, Merlin, and Prairie Falcon increased in numbers, while the Northern Harrier, Red-tailed Hawk, Harlan's Hawk, and American Kestrel all decreased in number. Greater Prairie-Chicken increased to 193 this year (113 in 1999 and 168 in 1998) while the Lesser Prairie-chicken decreased to six (39 in 1999 and 24 in 1998).

The Rock Dove (5,516 in 2000 and 10,312 in 1999) and Mourning Dove (2,347 in 2000 and 3090 in 1999) decreased from last year, while the Inca Dove (14 in 2000 and seven in 1999), Eurasian Collared-dove (44 in 2000 and two in 1999), and Ring Turtle-dove (two in 2000 and one in 1999) each increased. Besides the Ladder-backed Woodpecker being reported after an absence the previous year (three in 2000 all from Cimarron), the only other woodpeckers increasing were the 76 Yellow-bellied Sapsucker (71 in 1999), 264 Red-shafted Flicker (189 in 1999), and 42 Pileated Woodpecker (28 in 1999).

The Loggerhead Shrike continues to decline in numbers with only 63 observed this year, which is lower than the previous decade low of 80 recorded last year. You have to go back four decades, to the 1960's, before you find such low numbers.

Typical wintering species like the American Crow, Red-breasted Nuthatch, Golden-crowned Kinglet, Ruby-crowned Kinglet, Mountain Bluebird, and Myrtle Warbler all decreased from last year as did the common resident species such as the Carolina Chickadee, Tufted Titmouse, White-breasted Nuthatch, and Eastern Bluebird. While one might expect Townsend's Solitaire to increase (67 in 2000 and six in 1999), the increase in Northern Mockingbirds (232 in 2000 and 184 in 1999) was unexpected. Northern Cardinal increased slightly from 5,737 (1999) to 5,845 (2000). Sparrows showed similar patterns of decline this year with Tree Sparrow, Song Sparrow, Harris Sparrow, White-crowned Sparrow, Dark-eyed Junco, and Slate-colored Junco all down by an average of 42% (range 24% for Tree Sparrow to 67% for White-crowned Sparrow). Oregon Junco's increased slightly from 752 in 1999 to 888 in 2000. Eastern Meadowlarks continue to decrease with only 1003 recorded (2016 in 1999) and the 3,478 Western Meadowlark was below the 1991-1999 average of 4,233. However, meadowlark species continued to increase with 12,838 recorded this year after averaging 7,702 from 1991-1999 (9,660 in 1999).

Only 52 Purple Finches were recorded compared to the 327 observed last year. House Finch numbers increased after four years of decline to 4,904, slightly above the 4,388 average for 1991-1999. American Goldfinch decreased in numbers again with 4,498 recorded (4,970 in 1999). Pine Siskin increased from last year's decade low of 319 to 553, but still well short of the 1,141 average from 1991-1999. The 15,342 House Sparrow was an increase this year (12,714 in 1999), though still below the 21,706 average from 1991-1999.

Arkansas City. 37°02'N 97°02'W. Center as described in 1978. 23 December 2000; 7:30 a.m. to 6:00 p.m.; 22°F to 30°F. Wind NW 0-20 mph. Snow 1-3 inches. Still water partly frozen, moving water partly open; a.m. clear,

p.m. clear. Eight observers in 4 parties. Total party-hours 37 (8.5 on foot, 28.5 by car), plus 2.5 hours owling. Total party-miles 306 (7 on foot, 299 by car), plus 44 miles owling. Total 86 species; 4,674,837 individuals.

Wallace Champeny, Jack Dennett, Norma Dennett, Patty Marlett, Shawn Silliman, Eddie Stegall, Savilla Stegall, Eugene Young (compiler-1707 N 7th St., Arkansas City, KS 67005).

Baldwin. 38°47'N 95°16'W. Center as described in 1986. 30 December 2000; 6:00 a.m. to 5:00 p.m.; 12°F to 24°F. Wind NW 5-10 mph. Snow 10 inches. Still water partly open, moving water partly open; a.m. cloudy, light snow, p.m. partly cloudy, light snow. Fifteen observers in 6 parties, plus 3 at feeders. Total party-hours 47.5 (9.5 on foot, 38 by car), plus 5 hours at feeders, 3 hours owling. Total party-miles 415.5 (9.5 on foot, 406 by car), plus 24 miles owling. Total 62 species; 8,280 individuals.

Richard Bean, Jan Boyd, Jon Boyd, Roger Boyd (compiler-P. O. Box 65, Baker University, Baldwin City, KS 66606), Cal Cink, Steve Fretwell, Janet Hill, Katharine Kelley, Linda Lips, Gerry Parkinson, Barbara Pressgrove, Martin Pressgrove, Mary Swan, Phil Wedge, Larry Williams.

Baxter Springs. 37°10'N 95°16'W. Center as described in 1992. 24 December 2000; 7:00 a.m. to 5:00 p.m.; 8°F to 23°F. Wind NE 5 mph. Snow 6 inches. Still water partly frozen, moving water open; a.m. clear, p.m. clear. Four observers in 1 party. Total party-hours 10 (6 on foot, 4 by car). Total party-miles 73 (5 on foot, 68 by car). Total 64 species; 1,540 individuals.

Dean Rising, James Rising (compiler—Dept. of Zoology, University of Toronto, Toronto, Canada M5S 3G5), John Rising, Trudy Rising.

Black Wolf/NW Ellsworth Co. 38°45'N 98°22'W. Center as described in 1993. 13 January 2001; 8:00 a.m. to 5:30 p.m.; 34°F to 43°F. Wind S 5-25 mph. Still water partly frozen, moving water open; a.m. cloudy, light rain, p.m. cloudy. Five observers in 2 parties. Total party-hours 10 (7 on foot, 3 by car). Total party-miles 108.5 (3.5 on foot, 105 by car). Total 47 species; 15,630 individuals.

David Klema, Ben Nondorf, Carolyn Nondorf, Ellen Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490).

Blue Rapids. 39°46'N 96°38'W. New Count. Center at Blue Rapids Library, located on the NE corner of the town square. 30 December 2000; 7:00 a.m. to 5:00 p.m.; 17°F to 26°F. Wind NW 0-10 mph. Snow 4 inches. Still water partly frozen, moving water partly open; a.m. cloudy, light snow, p.m. partly cloudy, light snow. Five observers in 2 parties, plus 6 at feeders. Total party-hours 11.5 (3 hours on foot, 8.5 hours by car), and 3.5 hours owling. Total party-miles 133 (5 on foot, 128 by car), and 21 miles owling. Total 56 species; 5,128 individuals.

Chod Hedinger, Don Hirt, Norma Hirt, Lori Parker, Tom Parker (compiler—711 Gypsum St., Blue Rapids, KS 66411), Jeanette Pralle, Dan Thalman, Gwen Turner, Jay Turner, Carroll Whiting, Sarah Whiting.

Bonner Springs. 39°11'N 94°54'W. Center as described in 1995. 30 December 2000; 7:15 a.m. to 5:15 p.m.; 10°F to 21°F. Wind NW 5-12 mph. Snow 5 inches. Still water partly open, moving water partly open; a.m. partly cloudy, p.m. cloudy, light snow. Nine observers in 4 parties, plus 2 at feeders. Total party-hours 33 (2 on foot, 31 by car), plus 2.5 hours at feeders and 2 hours owling. Total party-miles 344 (2 on foot, 342 by car), plus 20 miles owling. Total 65 species; 24,274 individuals.

Annie Brown, Kevin Brown, Lisa Ferro, Alan Godwin, Chris Hobbs, Galen Pittman (compiler-12042 258th St., Lawrence, KS 66044), Richard Rucker, John Schukman, Mike Stewart.

Camp Naish. 39°04'N 94°54'W. Center as described 1982. 22 December 2000; 6:15 a.m. to 5:15 p.m. 0°F to 20°F. Wind SE 4 mph. Snow 7 inches. Still water frozen, moving water mostly frozen; a.m. clear, p.m. clear. Three

observers in 1 party. Total party-hours 9 (8 on foot, 1 by car), plus 1 hour owling. Total party-miles 7 (6 on foot, 1 by car), plus 2 miles owling. Total 42 species; 725 individuals.

Alexis Powell, David Reber, Stan Roth (compiler-532 Oklahoma St., Lawrence, KS 66046-4834).

Cedar Bluff. 38°45'N 99°46'W. Center as described in 1985. 19 December 2000; 7:00 a.m. to 5:00 p.m.; 10°F to 45°F. Wind S 0-20 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Five observers in 2 parties. Total party-hours 15.75 (6.25 on foot, 9.5 by car). Total party-miles 208 (4 on foot, 204 by car). Total 78 species; 36,411 individuals.

Larry Hesed, Mike Rader, Scott Seltman (compiler-RR1, Box 36, Nekoma KS 67559), Christopher Shane, Tom Shane.

Cheyenne Bottoms Wildlife Refuge. 38°26'N 98°35'W to 38°31'N 98°44'W Center as described 1977. 20 December 2000; 8:30 a.m. to 12:00 p.m.; 25°F to 35°F. Wind N 10-20 mph. Snow 1-2 inches. Still water partly frozen; moving water partly frozen; a.m. partly cloudy, light snow. Eleven observers in 4 parties, plus 2 at feeders. Total party-hours 11.7 (4.2 on foot, 7.5 by car), plus 0.33 at feeders. Total party-miles 77 (4.5 on foot, 72.5 by car). Total 48 species; 1,002,432 individuals.

Gene Bahr, Gary Barr, Karl Grover, Helen Hands (compiler-56 NE 40 Rd., Great Bend, KS 67530), Larry Hesed, Steve Hetzke, Jerry Ney, Rob Penner, Keith Reif, Gene Schneewis, Kim Schneewis.

Cimarron National Grasslands. 37°07'N 101°52'W. Center as described 1972. 30 December 2000; 7:30 a.m. to 6:00 p.m.; 25°F to 42°F. Wind N 5-10 mph. Still water frozen, moving water frozen; a.m. partly cloudy, p.m. partly cloudy. Sixteen observers in 6 parties. Total party-hours 55 (10 on foot, 45 by car). Total party-miles 570 (20 on foot, 550 by car). Total 74 species; 13,168 individuals.

M. Corder, G. Friesen, M. Fuller, M. Gearheart, N. Giddins, T. Giddins, C. Gresham, T. Hicks, S. Patti (compiler-552 W. Belden, Chicago, IL 60614), L. Peter, J. Runco, L. Smith, R. Smith, M. Thompson, J. Tucker, J. Woodward.

Dodge City. 37°46'N 100°00'W. Center as described in 1989. 30 December 2000; 7:45 a.m. to 5:00 p.m.; 17° to 30°F. Wind NNE 6 mph. Still water frozen; a.m. partly cloudy, p.m. partly cloudy. Ten observers in 4 parties, plus 9 at feeders. Total party-hours 23.95 (1.5 on foot, 22.45 by car), plus 17 hours at feeders and .25 hours owling. Total party-miles 292.25 (1.25 on foot, 291 by car). Total 44 species; 11,635 individuals.

Fred Brooks, Lois Bryson, Joyce Davis, Pat Dryden, Richard Dryden, Joleen Fromm (compiler-2402 5th Ave., Dodge City, KS 67801-2434), Marsha Gomez, Doris Gurner, Roberta Harkness, Donna Kirby, Lorene Kulbiski, Darlene Mapel, Virginia Pennington, Shirley Rumsey, Doris Schriener, Doug Spain, Francis Spain, Rae Tweedy, Judy Young.

Doniphan County. 39°54'N; 95°12'W. Center as described 1996. 6 January 2001; 6:30 a.m. to 3:00 p.m.; 36° to 45°F. Wind S 10 mph. Snow 4 inches. Still water frozen, moving water partly open; a.m. clear, p.m. clear. Twelve observers in 5 parties. Total party-hours 30 (5 on foot, 25 by car), plus 1 hour at feeders. Total party-miles 193.5 (5.5 on foot, 188 by car), plus 2 miles owling. Total 49 species, 2,383 individuals.

Carol Boehringer, Rich Boehringer, Donna Chance, Herb Chance, Katie Hargis, Mick McHugh, Kevin McNorton, Galen Pittman, John Schukman (compiler-14207 Robin Rd., Leavenworth, KS 66048), Verl Stephens, Ann Webb, Mary Winder.

El Dorado Lake. 37°51'N 96°48'W. Center as described in 1992. 30 December 2000; 7:30 a.m. to 4:00 p.m.; 20° to 28°F. Wind N 5 mph. Snow 2

inches. Still water frozen, moving water frozen; a.m. clear, p.m. clear. Eight observers in 2 parties. Total party-hours 16 (9 on foot, 8 by car). Total party-miles 176 (9 on foot, 167 by car). Total 59 species; 12,151 individuals.

Charlie Green, Mike Heffron, Bill Langley (compiler-2425 Gentry, El Dorado, KS 67042), Patty Marlett, Jim Taylor, Peggy Taylor, Sandra Tholen, Don Vannoy.

Emporia. 38°27'N 96°05'W. Center as describe 1985. 17 December 2000; 8:00 a.m. to 4:30 p.m.; 2°F to 26°F. Wind NW-SW 0-5 mph. Snow 8 inches. Still water frozen, moving water frozen; a.m. clear, p.m. clear. Ten observers in 5 parties. Total party-hours 30 (8.5 on foot, 21.5 by car). Total party-miles 230.5 (8.5 on foot, 222 by car). Total 59 species; 5,906 individuals.

Ginny Agin, Jenna Ferguson, Roger Ferguson, Sherry Ferguson, Jerry Horak, Bill Jensen, Brian Kuehn, Marvin Kuehn, Jethro Runco, Jean Schulenberg (compiler-Rte 2, Box 36, Admire, KS 66830).

Garden City. 37°55'N 100°47'W. Center as described in 1984. 7 January 2001; 8:00 a.m. to 6:15 p.m.; 32°F to 62°F. Wind NW 5-15 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. partly cloudy. Seventeen observers in 9 parties, 11 at feeders. Total party hours 26.75 (8 on foot, 18.75 by car) plus 18.5 hours at feeders. Total party-miles 278.25 (9.25 on foot, 269 by car). Total 75 species, 20,396 individuals.

Dan Baffa, Debra Bolton, Barbara Campbell, Bob Campbell, Cindy Elliott, Jeff Elliott, Cathy Finrock, Hank Finrock, Doug Floto, Mary Floto, Karin Hinkle, Art Nonhof, Marie Osterbuhr (compiler-1103 Gillespie Place, Garden City, KS 67846-5946), Betty Rich, Leonard Rich, Curran Salter, Emmaline Scott, Tom Shane, Sara Shane, Karen Tanner.

Halstead-Newton. 38°04'N 97°28'W. Center as described in 1965. 19 December 2000; 7:15 a.m. to 5:10 p.m.; 8° to 30°F. Wind N-SW at 0-10 mph. Snow less than 2-4 inches. Still water frozen, moving water partly open; a.m. clear, p.m. partly cloudy. Eleven observers in 5 parties. Total party-hours 41.25 (21 on foot, 20.25 by car). Total party-miles 204.25 (21.25 on foot, 183 by car). Total 51 species; 10,007 individuals.

Milly Cherryholmes, Lorna Harder, Alison Hiebert, Harvey Hiebert, Thad Miller, Norman Pankratz, Dwight Platt (compiler-702 NE 24th St., Newton, KS 67114), Bob Regier, Fremont Regier, John Torline, Nada Voth.

Hays. 38°51'N 99°27'W. Center as described in 1987. 16 December 2000; 8:00 a.m. to 5:00 p.m.; 21° to 35°F. Wind N 32 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Nineteen observers in 11 parties, plus 1 at feeders. Total party-hours 34.95 (14.85 on foot, 20.1 by car), plus 8 hours at feeders. Total party-miles 232 (17.3 on foot, 214.7 by car). Total 62 species; 10,986 individuals.

Ernie Brown, Janeen Brown, Earl Carlson, Connie Chen, Greg Farley (compiler-Fort Hays State University, Department of Biology, Hays, KS 67601), Steve Kolarik, Nichole Lambrecht, John Launchbaugh, Mary Morgan, Robert Nicholson, Mark Omura, Frank Potter, Mary Schmidt, Jim Schmidt, Dave Spalibury, Bill Stark, Jon Storm, Jim Strine, Jamie Timson.

Jetmore. 38°03'N 99°53'W. Center as described in 1999. 8 January 2001; 7:45 a.m. to 4:00 p.m.; 21°F to 54°F. Wind W 10-0 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Two observers in 1 party. Total party-hours 8.25 (.25 on foot, 8 by car). Total party-miles 101.25 (0.25 on foot, 101 by car). Total 36 species, 1,235 individuals.

Joyce Davis (compiler-10874 Hwy 50, Dodge city, KS 67801), Joleen Fromm.

John Redmond Reservoir. 38°16'N 95°49'W. Center as described in 1993. 16 December 2000; 7:00 a.m. to 5:00 p.m.; 32°F to 12°F. Wind NW 25-30 mph. Snow 8 inches. Still frozen, moving water open; a.m. cloudy, light snow, p.m.

partly cloudy. Eight observers in 4 parties, plus 2 at feeders. Total party-hours 30 (10 on foot, 20 by car), plus 2.0 hours at feeders. Total party-miles 188 (10 on foot, 178 by car). Total 64 species; 15,894 individuals.

Randy Bodenhamer, Bob Culbertson (compiler-207 Cheyenne St., New Strawn, KS 66839), Jerry Horak, Jim Minnerath, Frances Ramirez, Marly Ramirez, Gary Simmons, Dan Williamson.

Junction City. 39°00'N 96°53'W. Center as described in 1992. 26 December 2000; 6:00 a.m. to 5:30 p.m.; 13°F to 29°F. Wind N-NW 3-10 mph. Snow 4 inches. Still water frozen, moving water partly open; a.m. cloudy, light snow, p.m. partly cloudy. Six observers in 3 parties. Total party-hours 25 (7.75 on foot, 17.25 by car), plus 1.5 hours owling. Total party-miles 265.1 (8 on foot, 257.1 by car), plus 28 miles owling. Total 68 species; 8,459 individuals.

Stacey Cooke, Carol Hogheem, Hoogy Hogheem, Chuck Otte (compiler-613 Tamerisk, Junction City KS 66441), Jaye Otte, Chris Smith.

Kanopolis Reservoir. 38°37'N 97°05'W. Center as described in 1983. 14 January 2001; 7:30 a.m. to 5:00 p.m.; 26°F to 40°F. Wind WNW 10-25 mph. Still water partly frozen, moving water open; a.m. clear, p.m. clear. Ten observers in 4 parties. Total party-hours 29 (7 on foot, 22 by car). Total party-miles 301.5 (10.5 on foot, 291 by car). Total 64 species; 18,444 individuals.

Doris Burnett, Dan Gish, Chod Hedinger, Glen Koontz, Dan Larson, Richard Martin, Tom Parker, Lindsay Peter, Mike Rader (compiler-P. O. Box 395, Wilson, KS 67490), Jethro Runco.

Kirwin National Wildlife Refuge. 39°42'N 99°08'W. Center as described 1994. 30 December 2000; 8:00 a.m. to 5:00 p.m.; 10°F to 25°F. Wind NW 5-15 mph. Still water frozen, moving water partly frozen; a.m. partly cloudy, partly cloudy, p.m. Thirteen observers in 7-1 parties. Total party-hours 33.75 (4 on foot, 29.75 by car), plus 3 hours at feeders, and 1.5 hours owling. Total party-miles 374 (3 on foot, 371 by car), plus 15 miles owling. Total 57 species; 49,933 individuals.

Sherri Baker, Terri Baker, John Beam, Marty Hines, Marvin Hines, Jonathon Iman, Dolores Knowles, Larry Matson, Deb Robinson, Shannon Rothchild (compiler—702 E. Xavier Rd, Kirwin, KS 67644), Deon Steinle, Dave Wangerin, Nancy Wangerin.

Lakin. 38°00'N 101°52'W. Center as described in 1984. 4 January 2001; 7:50 a.m. to 6:00 p.m.; 32°F to 51°F. Wind SW 10-15 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Ten observers in 4 parties, plus 2 at feeders. Total party-hours 13.5 (1.75 on foot, 11.75 by car), plus 5 hours at feeders. Total party-miles 148 (2 on foot, 146 by car). Total 56 species; 21,517 individuals.

Pat Bird, Debra Bolton, Barbara Campbell, Debbie Frederick, Camille Green, Connery Green, Marie Osterbuhr, Michael Ramsey, Pamela Ramsey, Betty Rich, Leonard Rich (compiler-1107 E. Johnson St., Garden City, KS 67846-4649), Tom Shane.

Lawrence. 39°00'N 95°18'W. Center as described in 1981. 16 December 2000; 7:15 a.m. to 5:15 p.m.; 35°F to 10°F; Wind NW 15-35 mph. Snow 6 inches. Still water partly open, moving water partly open; a.m. cloudy, light snow, p.m. partly cloudy. Twenty-four observers in 10 parties, plus 5 at feeders. Total party-hours 74.75 (21.75 on foot, 53 by car), plus 14 hours at feeders, 5.75 hours owling. Total party-miles 522 (19 on foot, 503 by car), plus 35 miles owling. Total 80 species; 16,092 individuals.

Bob Antonio, Roger Boyd, Mark Corder, Bill Dodd, Dee Hansen, Erik Hansen, David Herrin, Mick McHugh, Duane Otto, William Otto, Garry Parkinson, Galen Pittman (compiler-10242 258th St., Lawrence, KS 66044),

Alexis Powell, David Reber, Stan Roth, Bob Rucker, Richard Rucker, David Seibel, Dawn Sharp, Kylee Sharp, Scott Sharp, Cynthia Shaw, Ed Shaw, Margaret Wedge.

Leavenworth/Atchison. 39°23'N 95°00'W. Center as described in 1992. 23 December 2000; 7:00 a.m. to 3:30 p.m.; 24°F to 25°F. Wind NW 15 mph. Snow 4 inches. Still water frozen, moving water partly frozen; a.m. clear, p.m. clear. Six observers in 3 parties, plus 1 at feeders. Total party-hours 24.5 (3 on foot, 21.5 by car), plus 4 hour at feeders, 1 hour owling. Total party-miles 277 (2 on foot, 275 by car), plus 10 miles owling. Total 60 species; 9,182 individuals.

Chuck Allen, Dave Bryan, Matt Fain, Dan Fisher, Tom Liston, John Schukman (compiler-14207 Robin Rd., Leavenworth, KS 66048), Mike Stewart.

Linn County. 38°17'N 94°45'W. Center as described in 1982. 27 December 2000; 6:30 a.m. to 5:30 p.m.; 0°F to 27°F. Wind S 5-10 mph. Snow 8 inches. Still water partly frozen, moving water partly open; a.m. foggy, p.m. partly cloudy. Nine observers in 4 parties. Total party-hours 36 (4.5 on foot, 31.5 by car), plus 2 hours owling. Total party-miles 385 (4 on foot, 381 by car), plus 28 miles owling. Total 71 species; 20,163 individuals.

Jan Boyd, Roger Boyd (compiler-Dept. of Biology, Baker University, Baldwin City KS 66006), Calvin Cink, Matt Gearheart, Galen Pittman, Alexis Powell, Barbara Pressgrove, Martin Pressgrove, Mike Stewart.

Manhattan. 39°11'N 96°34'W. Center as described 1993. 16 December 2000; 23°F to 10°F. Wind variable NW 30-35 mph. Snow 4 inches. Still water partly frozen, moving water partly frozen; a.m. cloudy, p.m. partly cloudy. Sixty-three observers in 22 parties, plus 5 at feeders. Total party-hours 143 (63 on foot, 80 by car), plus 10 hours at feeders, plus 2 hours owling. Total party-miles 600 (76 on foot, 524 by car), plus 21 miles owling. Total 96 species; 42,724.

Steve Amy, Ed Bagley, Dusty Becker, Jerry Best, Carla Bishop, Doris Burnett, Diane Cable, Ted Cable, Ton Damman, Michael Donnelly, Carolyn Ferguson, Clyde Ferguson, Marilena Ferguson, Ann Feyerharm, Pat Freeman, Ted Freeman, Charles Friedrichs, Martha Friedrichs, Tate Gooden, Buddy Gray, Chod Hedinger, Carol Hoogheem, Hoogy Hoogheem, Eva Horne, Cindy Jeffrey, Bill Jensen, Lowell Johnson, Richard Johnson, Duane Kerr, Gary Kerr, Leif Kerr, Ron Klataske, Jim Koelliker, Wendy Loya, Ray Matlack, Mark Mayfield, Bob Mohr, Beth Montelone, Marge Muenzenberger, Dan Mulhern, Kathleen Oldfather, Ed Olson, Kay Olson, Jack Oviatt, Peter Oviatt, Susan Oviatt, Gerry Reeck, Ryan Rehmeier, Dave Rintoul (compiler-Biology Division, Kansas State University, Manhattan, KS 66506-4901), Judy Roe, Donna Shaver, Gary Shaver, Chris Smith, Guy Smith, Ted Smith, Gerry Snyder, Madonna Stallman, Brian Steinmiller, Acie Stewart, Margie Stewart, Dana Townsend, Harvard Townsend, Patricia Yeager.

Meade County. 37°15'N 100°20'W. Center as described in 1985. 29 December 2000; 7:00 a.m. to 5:30 p.m. 15°F to 35°F. Wind N 10-20 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Two observers in 1 party, plus 4 at feeders. Total party-hours 10.5 (6 on foot, 4.5 by car), plus 8 hours at feeders and 2 hours owling. Total party-miles 52 (5 on foot, 47 by car), plus 26 miles owling. Total 63 species; 7,997 individuals.

Audrey Flowers, Kristy Flowers, Robin Flowers, Steven Flowers, Thomas Flowers (compiler-P.O. Box 87, Meade KS 67864), Mark Goldsberry.

Olathe. 38°55'N 94°51'W. Center as described 1986. 31 December 2000; 7:00 a.m. to 4:00 p.m.; 11°F to 18°F. Wind calm. Snow 4-6 inches. Still water frozen, moving water partly open; a.m. cloudy, p.m. cloudy. Eight observers in 4 parties, plus 1 at feeders. Total party-hours 29.25 (7 on foot, 22.25 by car), plus 2 hours at feeders and 1 hour owling. Total party-miles 279.5 (5.5 on foot, 274 by car), plus 8 miles owling. Total 50 species; 8,005 individuals.

Dave Bryan, Steve Crawford, Mike Connors, Dave Fischer, Norman Renk, Don Weiss (compiler-12100 Cherry Ln, Olathe KS 66061), Lori Weiss, Larry Williams.

Old Garfield County. 38°07'N 100°27'W. Center as described in 1993. 3 January 2001; 7:50 a.m. to 5:55 p.m.; 24°F to 48°F. Wind W-NW 10-20 mph. Snow 1 inch. Still water frozen, moving water frozen; a.m. clear, p.m. clear. Six observers in 3 parties. Total party-hours 12 (0.5 on foot, 11.5 by car). Total party-miles 175 (1 on foot, 174 by car). Total 32 species; 8,866 individuals.

Barbara Campbell (compiler-709 W. Maple, Garden City KS 67846), Marie Osterbuhr, Betty Rich, Leonard Rich, Tom Shane, Wendy White.

Olsburg. 39°25'N 96°39'W. Center as described 1991. 29 December 2000; 7:30 a.m. to 5:00 p.m.; 17°F to 23°F. Wind N-NW 5-25 mph. Snow 2 inches. Still water frozen, moving water frozen; a.m. cloudy, light snow, p.m. partly cloudy, light snow. Four observers in 3 parties, plus 4 at feeders. Total party-hours 19 (3 on foot, 16 by car), plus 9 hours at feeders. Total party-miles 176 (2 on foot, 174 by car). Total 61 species; 12,357 individuals.

Irwin Hoogheem, Ruth Hooper, Cindy Jeffrey, Gary Jeffrey (compiler-15850 Galilee Road, Olsburg, KS 66520), Jay Jeffrey, Linda Jorgenson, Irvin Pressler, Jean Westley.

Oskaloosa/Perry Lake. 39°12'N 95°24'W. Center as described in 1980. 17 December 2000; 7:15 a.m. to 5:00 p.m.; 2° to 18°F. Wind NW 0-15 mph. Snow 5 inches. Still water frozen, moving water frozen; a.m. partly cloudy, p.m. partly cloudy. Thirteen observers in 6 parties. Total party-hours 45.5 (8.25 on foot, 37.25 by car), plus 1.25 hours owling. Total party-miles 345.5 (6.5 on foot, 339 by car), plus 9 miles owling. Total 78 species; 14,272 individuals.

Joanne Brier, Glen Koontz, Duane Otto, William Pittman, Marie Pinsky, Bob Rucker, Richard Rucker (compiler-121 East 17th St, Lawrence, KS 66044-4233), Roseanne Smith, Mike Stewart, Terry Sullivan, Bunnie Watkins, Tracy Wohl.

Parsons. 37°25'N 95°17'W. Center as described in 1996. 16 December 2000; 8:00 a.m. to 2:00 p.m.; 8°F to 20°F. Wind N 15 mph. Snow 10 inches. Still water frozen, moving water partly frozen; a.m. partly cloudy p.m. partly cloudy. Four observers in 3 parties, plus 1 at feeders. Total party-hours 13.5 (0.5 on foot, 13 by car), plus 5 hours at feeders. Total party-miles 93 (1 on foot, 92 by car). Total 51 species; 9,982 individuals.

Larry Herbert, Lou Milks, Paul Milks (compiler-2624 Gabriel, Parsons, KS 67357), Rick Tucker, Othelia Webster.

Pomona Lake. 38°40'N 95°41'W. Center as described in 1993. 6 January 2001; 8:00 a.m. to 3:00 p.m.; 30°F to 35°F. Wind S 1 mph. Snow 1 inch. Still water frozen, moving water partly open; a.m. clear, p.m. clear. Twelve observers in 5 parties, plus 1 at feeders. Total party-hours 26 (3.5 on foot, 22.5 by car), plus 4 hours at feeders and 0.5 hours owling. Total party-miles 266.5 (2.5 on foot, 264 by car), plus 3 miles owling. Total 50 species; 5,078 individuals.

Jeffrey Bender (compiler-Pomona State Park, 22900 S. Hwy 368, Vassar KS 66543), Joanne Brier, Bob Culbertson, Carol Culbertson, Matt Gearhart, Alan Godwin, Jerry Horak, Dan Larson, Tonilee Rhoades, Carolyn Roller, Richard Roller, Janeen Walters, Tracy Wohl.

Quivira National Wildlife Refuge. 38°09'N 98°29'W. Center as described 1972. 15 December 2000; 7:30 a.m. to 4:30 p.m.; 15°F to 37°F. Wind S 5-15 mph. Snow 4 inches. Still water frozen, moving water partly frozen; a.m. cloudy, foggy, light rain, p.m. partly cloudy. Seven observers in 2 parties. Total party-hours 16 (1 on foot, 15 by car), plus 2.5 hours owling. Total party-miles 166.5 (1.5 on foot, 165 by car), plus 2 miles owling. Total 75 species; 115,014 individuals.

Levi Beaver, Wallace Champeny, Dan Kilby, Michael Lesan, Patty Marlett, Gary Meggers (compiler-RR3, Box 48A, Stafford KS 67578), Mike Rader, Donald Vannoy.

Red Hills. 37°13'N 98°42'W. Center as described in 1994. 6 January 2001; 7:30 a.m. to 5:45 p.m.; 29°F to 55°F. Wind NE 10 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. Twenty-five observers in 5 parties. Total party-hours 36 (16.25 on foot, 19.75 by car), plus 3.75 hours owling. Total party-miles 265 (10 on foot, 255 by car), plus 30 miles owling. Total 91 species; 12,932 individuals.

Dennis Angle, Wallace Champeny, Sheri Chisenhall, Carol Cumberland, Joyce Davis, Marsha Ebaugh, Chet Gresham, Kevin Groeneweg, Leon Hicks, Tyler Hicks, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204), Gloria Jones-Wolf, Dan Kilby, Mike Lesan, Carol Mammolitti, Patty Marlett, Harold McFadden, Cliff Nickel, Alexis Powell, Jane Queal, Stan Roth, Cam Rother, Carolyn Schwab, Eddie Stegall, Savilla Stegall..

Salina. 38°50'N 97°37'W. Center as described in 1983. 30 December 2000; 7:30 a.m. to 5:15 p.m.; 15°F to 25°F. Wind N 5 mph. Snow 6 inches. Still water frozen, moving water partly open; a.m. partly cloudy, p.m. partly cloudy. Seven observers in 3 parties, plus 3 at feeders. Total party-hours 25.25 (10 on foot, 15.25 by car), plus 7 hours at feeders. Total party-miles 206.5 (9.5 on foot, 197 by car). Total 52 species; 4,707 individuals.

Kat Farres, David Haight, Kevin Haight, Dale Henderson, Harold Lear (compiler-612 Max Ave., Salina KS 67401), Joe Nold, Marge Streckfus.

Sawyer. 37°32'N 98°41'W. Center as described in 1989. 30 December 2000; 7:00 a.m. to 5:00 p.m. 16°F to 32°F. Wind S 0-10 mph. Moving water open; a.m. partly cloudy, p.m. partly cloudy. Ten observers in 3 parties. Total party-hours 22 (12 on foot, 10 by car), plus 0.5 hours owling. Total party-miles 127 (4 on foot, 123 by car). Total 66 species; 14,359 individuals.

Jessi Brunson, Ken Brunson (compiler-40050 NE 10th St, Pratt, KS 67124), Lee Ann Brunson, Bill Hlavachick, Linda Loomis, Ryan McKnab, Jane Queal, Lee Queal, Loren Sill, Bob Wood.

Scott Lake. 38°35'N 100°56'W. Center as described in 1987. 30 December 2000; 7:50 a.m. to 5:20 p.m.; 12°F to 34°F. Wind N 0-10 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. cloudy. Eight observers in 3 parties, plus 2 at feeders. Total party-hours 20.5 (5 on foot, 15.5 by car), plus 1 hour at feeders. Total party-miles 207 (4.5 on foot, 202.5 by car). Total 70 species; 39,456 individuals.

Doug Floto, Edith Norman, Everett Norman, Marie Osterbuhr, Betty Rich, Leonard Rich, Dave Rintoul, Sara Shane, Tom Shane (compiler-1706 Belmont, Garden City KS 67846), Wendy White.

Slate Creek Wetlands/Oxford. 37°15'N 97°15'W. Center as described in 1992. 20 December 2000; 7:30 a.m. to 6:00 p.m.; 21°F to 30°F. Wind S-N 10-15 mph. Snow 1-2 inches. Still water frozen, moving water partly open; a.m. partly cloudy, p.m. partly cloudy. Five observers in 3 parties, plus 1 at feeders. Total party-hours 28 (2 on foot, 26 by car), plus 2.5 hours owling. Total party-miles 259 (3 on foot, 256 by car), plus 50 miles owling. Total 74 species; 1,297,081 individuals.

Wallace Champeny, JackDennett, Norma Dennett, Patty Marlett, Max Thompson, Eugene Young (compiler-1707 N 7th St, Arkansas City KS 67005).

Southeast KS Mined Land. 37°14'N 94°58'W. Center as described in 1992. 1 January 2001; 7:30a.m. to 3:45 p.m.; 14°F to 21°F. Wind NW 3 mph. Snow 4 inches. Still water frozen, moving water frozen; a.m. cloudy, p.m. partly cloudy. Twelve observers in 6 parties. Total party-hours 34.5 (2 on foot, 32.5 by car). Total party-miles 308 (1.5 on foot, 306.5 by car). Total 58 species; 7,745

individuals.

Claudia Ausemus, James Ausemus, Mavis Benner, Debbie Christenson, Pamela Cress, Cindy Ford, Steve Ford (compiler-Biology Dept., Pittsburg State University, Pittsburg KS 66762), Barry Jones, Elizabeth Mangile, Robert Mangile, Chuck Spelman, Emmett Sullivan.

Syracuse. 38°00'N 101°52'W. Center as described in 1994. 7 January 2001; 8:00 a.m. to 5:00 p.m. 37°F to 50°F. Wind NE 14 mph. Still water frozen, moving water open; a.m. cloudy, p.m. partly clear. Seven observers in 3 parties, plus 1 at feeders. Total party-hours 18 (3 on foot, 15 by car), plus 8 hours at feeders. Total party-miles 145.5 (1.5 on foot, 144 by car). Total 55 species; 1,663 individuals.

Gary Coleman, Arthur Nonhof (compiler-7560 Lindsay Dr., Holcomb KS 67851-9783), Marie Osterbuhr, Michael Ramsey, Betty Rich, Leonard Rich, Sara Shane, Tom Shane.

Topeka. 39°02'N 95°40'W. Center as described in 1972. 16 December 2000; 7:00 a.m. to 5:00 p.m. 34° to 10°F. Wind N 18 mph. Snow 5 inches. Still water frozen, moving water mostly frozen; a.m. partly cloudy, p.m. clear. Twenty-two observers in 10 parties, plus 2 at feeders. Total party-hours 70.5 (22 hours on foot, 48.5 hours by car), plus 13 hours at feeders. Total party-miles 477.5 (22.5 on foot, 455 by car). Total 74 species; 23,466 individuals.

Joanne Brier, Bob Foster, Dan Gish, Jeremy Gish, Dean Grisell, Gladys Grisell, Gary Haden (compiler-5225 SW 12th St., Topeka, KS 66604), Jerry Hunt, Joanna LaCoursiere, Dan Larson, Bob Lawson, David Lentfer, Richard Martin, Sarah Merrill, Susan Miller, Lorita Neff, Alan Pollom, Melody Pollom, Joanne Ramberg, Pat Stein, Janeen Walters, Lil Willis, Paul Willis, Tracy Wohl.

Udall/Winfield. 37°16'N 96°59'W. Center as described in 1972. 17 December 2000; 8:00 a.m. to 5:00 p.m.; 10°F to 20°F. Wind variable 5-20 mph. Snow 2 inches. Still water frozen, moving water partly frozen; a.m. clear, p.m. clear. Fifteen observers in 6 parties, plus 1 at feeders. Total party-hours 51.5 (4.5 on foot, 47 by car), plus 5 hours at feeders, 2 hours owling. Total party-miles 454 (7 on foot, 447 by car), plus 53 miles owling. Total 98 species; 771,393 individuals.

Betty Anderson, Duane Anderson, Fritz Barnard, Terry Barnett, Wallace Champeny, Jack Dennett, Norma Dennett, Chet Gresham, Kevin Groeneweg, Tyler Hicks, Dan Kilby, Mike Lesan, Max Thompson (compiler-1729 E. 11th Ave., Winfield KS 67156-4007), Donna Wilt, Bob Wimmer, Eugene Young.

Ulysses. 37°30'N 101°18'W. Center as described in 1994. 1 January 2001; 7:45 a.m. to 5:30 p.m.; 19°F to 26°F. Wind E 0-15 mph. Snow 1 inch. Still water frozen, moving water frozen; a.m. cloudy, foggy, p.m. cloudy, light snow. Seven observers in 2-3 parties, 2 at feeders. Total party-hours 14.5 (4 on foot, 10.5 by car), plus 8 hours at feeders. Total party-miles 136 (4 on foot, 132 by car). Total 49 species; 19,611 individuals.

Sam Guy, Marion McGlohon, Marie Osterbuhr, Mike Ramsey, Sara Shane, Tom Shane (compiler—1706 Belmont Place, Garden City, KS 67846), Jeff Trotman.

Waconda Lake. 39°28'N 98°22'W. Center as described in 1992. 17 December 2000; 7:30 a.m. to 4:30 p.m.; 10°F to 29°F. Wind S 5-20 mph. Still water frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Two observers in 1 party. Total party-hours 9 (3 on foot, 6 by car). Total party-miles 104 (1 on foot, 103 by car). Total 58 species; 34,474 individuals.

Henry Armknecht, Mike Rader (compiler-Box 395, Wilson KS 67490).

Wakefield. 39°13'N 96°58'W. Center as described in 1993. 17 December 2000; 6:00 p.m. to 4:30 p.m.; 2°F to 22°F. Wind W-SW 0-15 mph. Snow 4 inches. Still water frozen, moving water frozen; a.m. clear, p.m. clear. Six observers in 4

parties. Total party-hours 25.8 (5.1 on foot, 20.7 by car), plus 3.5 hours owling. Total party-miles 238.6 (4.7 on foot, 233.9 by car), plus 31.5 miles owling. Total 71 species; 12,348 individuals.

Doris Burnett, Chod Hedinger, Carol Hoogheem, Irwin Hoogheem, Jeff Keating, Chuck Otte (compiler-613 Tamerisk, Junction City KS 66441).

Webster. 39°25'N 99°24'W. Center as described in 1992. 23 December 2000; 8:00 a.m. to 4:30 p.m.; 10°F to 28°F. Wind NE 5-20 mph. Still water frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Three observers in 1 party. Total party-hours 8.5 (2 on foot, 6.5 by car). Total party-miles 107 (1 on foot, 106 by car). Total 69 species; 36,129 individuals.

Ellen Rader, Jennifer Rader, Mike Rader (compiler-P.O. Box 395, Wilson KS 67490).

Wichita. 37°41'N 97°21'W. Center as described in 1955. 16 December 2000; 7:30 a.m. to 5:30 p.m.; 16°F to 30°F. Wind N 35-55 mph. Snow 3 inches. Still water partly open, moving water partly open; a.m. partly cloudy, light snow, p.m. clear. Twenty-two observers in 7 parties, plus 5 at feeders. Total party-hours 61 (27 on foot, 34 by car), plus 11 hours at feeders and 1.25 hour owling. Total party-miles 388 (30 on foot, 358 by car), plus 22 miles owling. Total 84 species; 80,052 individuals.

Roy Beckemeyer, Bob Broyles, Walker Butin, Wallace Champeny, John Clark, Charles Cope, Laura Ghessassi, Rick Goodrick, Harry Gregory, Chet Grisham, Bob Gress, Kevin Groeneweg, Rick Haywood, Pete Janzen, (compiler-3137 Mascot, Wichita, KS 67204), Dan Kilby, Michael Lesan, Patty Marlett, Cheryl Miller, Eddie Stegall, Savilla Stegall, Don Vannoy, Jim Wilson.

Wilson Reservoir. 38°56'N 98°34'W. Center as described in 1994. 14 December 2000; 8:00 a.m. to 5:30 p.m.; 7°F to 29°F. Wind S 5-20 mph. Snow 2 inches. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Four observers in 2 parties. Total party-hours 14.5 (6 on foot, 8.5 by car), plus 0.5 hour owling. Total party-miles 162 (2 on foot, 160 by car), plus 0.25 miles owling.

Total 74 species; 35,144 individuals.

Chuck Otte, Ellen Rader, Mike Rader (compiler-P.O. Box 395, Wilson KS 67490), Scott Seltman.

Yoder. 37°55'N 97°50'W. Center as described in 1992. 5 January 2001; 7:30 a.m. to 3:20 p.m.; 32°F to 51°F. Wind NW 8-15 mph. Snow 2-3 inches in shady areas. Still water frozen, moving water partly open; a.m. clear, p.m. clear. Twelve observers in 5 parties. Total party-hours 22.25 (8.25 on foot, 14 by car). Total party-miles 204 (11 on foot, 193 by car). Total 51 species; 7,191 individuals.

Levi Beaver, Mary Clark (compiler-3002 E. 30th St, Hutchinson KS 67502), Kris Davis, William Davis, Dan Dyck, Jennifer Dyck, Rick Goodrick, Steve Kinser, Verna Miller, Sarah Parsons, Ann Regier, Jim Smith.

¹*Department of Biology, Southwestern College, Winfield, KS 67156;*

²*Natural Science Division, Cowley County Community College, Arkansas City, KS 67005.*

Species	Arkansas City	Baldwin	Baxter Springs	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Cedar Bluff	Cheyenne	Cimarron Grasslands	Dodge City	Doniphan County	El Dorado
Pacific Loon								1					
Pied-billed Grebe								3					
Horned Grebe								2					
Western Grebe													
Clark's Grebe								2					
Am. White Pelican			1							cw			
Double-crested Cormorant	1		5							cw	1		
Great Blue Heron	42	2	9				2	14		8	cw		4
Gr. White-fronted Goose	8									15			
Snow Goose (White morph)	7		3			16		31		cw	15		
Snow Goose (Blue Morph)	1					5							
Ross' Goose													
Canada Goose	6619	206	221	12		1720	7	6770	129		1322		1520
goose species													
Trumpeter Swan													
Tundra Swan								1					
Wood Duck	2												
Gadwall	15		5			3		61	1				55
American Wigeon	1							9					
American Black Duck													
Mallard	2723	45	31	3	18	83	10	19300	800		210	1	151
Blue-winged Teal													
Cinnamon Teal			205										
Northern Shoveler													
Northern Pintail	2			2				4	1				
Green-winged Teal	1					1		5		1			8
Canvasback	10							12					
Redhead								3					4
Ring-necked Duck	34		12			2		46	1				
Greater Scaup													
Lesser Scaup			25			5		11					
Long-tailed Duck								1					
Bufflehead			2					5	1				
Common Goldeneye	27		1		5	19		550	1			19	40
Hooded Merganser						3		70					18
Common Merganser	55					8		2500	3			24	
Red-breasted Merganser													
Ruddy Duck			1			1							
duck sp.	3												
Osprey									1				
Bald Eagle	57		4		4	20		45	8	1		16	1
Northern Harrier	44	1	1	23	4			45	44	28	9	5	20
Sharp-shinned Hawk	3	7		1	1			4	2	5	1	2	3
Cooper's Hawk	2	1		1	1	6	1	3	9	2		1	
Northern Goshawk													
Accipiter Sp.					1					cw			
Red-shouldered Hawk	1		1										
Red-tailed Hawk	162	65	25	48	52	67	5	40	27	30	29	40	46
Red-tailed (Harlan's) Hawk	8			1	6							1	
Ferruginous Hawk	1			1						52	6		
Rough-legged Hawk	2		1	3	2			16	10	10	4		15
Buteo Sp.					1				6	1			
Golden Eagle									1	4			
American Kestrel	21	14	1	8	5	8	1	25	2	10	10	20	11
Merlin				cw				1	1	5		1	
Peregrine Falcon			1										
Prairie Falcon	1			2	1	1		6	cw	6			
Falco sp.													
Ring-necked Pheasant	2			15	31			15	43	20	11	1	2
Greater Prairie-Chicken					1								15
Lesser Prairie-Chicken										2			
Wild Turkey	121	195		367	78	10	8	12	5		3	4	21
Scaled Quail										117			
Northern Bobwhite	2	21		cw	11	20		5	5	164	cw	7	21
Virginia Rail								1					
American Coot								155	1				
Sandhill Crane													
Killdeer			6										
Least Sandpiper			1										
Common Snipe		1	4										
Bonaparte's Gull													
Ring-billed Gull	203							305	cw				
California Gull													
Herring Gull	3							25					
Thayer's Gull													
Glaucous Gull													
Great Black-backed Gull													
Larus sp.													
Rock Dove	14	134	8	120	14	141	1	35	3	97	198	53	67
Eurasian Collared-Dove										16			
Ringed Turtle-Dove													
Mourning Dove	47	29	8	cw	152	275						8	9
Inca Dove												2	
Greater Roadrunner													
Barn Owl									cw	3	2		
Eastern Screech-Owl	28	9		3	11	3	1	2		6		2	
Great Horned Owl	29	17		7	11	4	3	1	6	7	1	1	
Long-eared Owl		1						4					
Short-eared Owl								3	cw	2		2	
Burrowing Owl										1			
Barred Owl	13	6			4	1							4
Belted Kingfisher	5		4		1	1		8					4
Red-headed Woodpecker	4		1		cw	34	46			1		24	
Red-bellied Woodpecker	62	98	5	11	20	77	24	7	1	1	1	51	22
Yellow-bellied Sapsucker	4	6	4		1	3							3
Ladder-backed Woodpecker										3			

Species	Arkansas City	Baldwin	Baxter Springs	Black Wolf	Blue Rapids	Bonner Springs	Camp Nalah	Cedar Bluff	Cheyenne	Cimarron Grasslands	Dodge City	Doniphan County	El Dorado
Downy Woodpecker	27	83	8	9	13	60	14	12	5	12	14	35	15
Hairy Woodpecker	1	17		4	4	9	8	5	1	1		3	
Northern Flicker	35	21		18	4	7	6	55	23	7		4	8
Yellow-shafted	17	52	9	7	16	50	5		5	2	9	21	12
Red-shafted	2	4		3	18	1				17	3		8
Pileated Woodpecker	1	7	3				2						
Eastern Phoebe			1										
Loggerhead Shrike	3	4						1		10		5	2
Northern Shrike										1			
Blue Jay	113	253	20	2	84	312	43			4	6	160	53
Western Scrub-Jay													
Black-billed Magpie				1				27	6	100	78		
Pinyon Jay													
American Crow	466	304	18	49	1518	215	13	78	68	18	133	114	116
Chihuahuan Raven										cw			
Horned Lark	989	474	3	350	227	153		300		6186	1376	61	
Carolina Chickadee	90		13										
Black-capped Chickadee	1	236		45	62	200	46	21	38		8	72	42
Mountain Chickadee										23			
Tufted Titmouse	38	107	3		23	104	45					20	16
Juniper Titmouse										cw			
Red-breasted Nuthatch		1		cw				3		14	11		
White-breasted Nuthatch	14	31	5	5	15	21	12	7	1	1	1	51	11
Brown Creeper	3	cw	1									1	1
Rock Wren											1		
Carolina Wren	15	7	1	3	4	12	5			4	4	9	4
Bewick's Wren													
Winter Wren							1						
Sedge Wren													
Marsh Wren								5	2	2			
Golden-crowned Kinglet	1	2		cw		5							
Ruby-crowned Kinglet													
Eastern Bluebird	101	126	15	10	76	70	35	2		2		23	35
Western Bluebird													
Mountain Bluebird								65		7			
Townsend's Solitaire								8					
Hermit Thrush	1	2	1			1	1			1			
American Robin	5591	295	11	957	184	7	4	800	2	121	69	51	1308
Gray Catbird													
Northern Mockingbird	28	14	11			24				2			4
Brown Thrasher										1			1
Curve-billed Thrasher										1			
European Starling	500000	1020	63	132	613	1050	101	350	350	114	903	503	520
American Pipit													
Cedar Waxwing	71	255		19	184	12	37			72		45	144
Orange-crowned Warbler													
Yellow-rumped Warbler, Myrtle	2	9		1	6	9	6	3					2
Audubon's							1			1			
Pine Warbler													
Spotted Towhee	5	1		1	cw	1		2					4
Eastern Towhee													
Canyon Towhee										1			
Rufous-crowned Sparrow										1			
American Tree Sparrow	301	225	75	74	116	119	2	1200	28	470	22	33	120
Field Sparrow	16					2							
Vesper Sparrow										6			
Lark Bunting										72			
Savannah Sparrow	12	3	4							6			
LeConte's Sparrow										6			
Fox Sparrow	7	2	1			3							2
Song Sparrow	55	17	39	6	4	43	7	15	9	42	1	6	14
Lincoln's Sparrow						2							
Swamp Sparrow	6		3										
White-throated Sparrow	24	4	20			22	1					4	1
Harris's Sparrow	337	277	7	115	130	150	2	8	12	1	85		160
White-crowned Sparrow	27	46	26		4	50		12		206	9		
Dark-eyed Junco	118	423		20	4	302	66	320		125		11	
White-winged													
Slate-colored	111	215	98	98	184	198			4	50	103	151	69
Oregon	2	3		4	8				1	172	26	2	2
Gray-headed										1		1	
sparrow sp.						2			29		3		
McCown's Longspur										1			
Lapland Longspur	3600	115		95	5			750		1500	4500		
Chestnut-collared Longspur										4			
longspur sp.													
Snow Bunting													
Northern Cardinal	296	437	70	19	109	346	57	5	5	2	16	97	52
Red-winged Blackbird	3500000	543	220	12500	371	17500		1500	600	1148	874	4	6150
Eastern Meadowlark	1	29	16			4						6	
Western Meadowlark	1	1						350		496	451	2	
meadowlark sp.	710	314	40	175	194	60			39			55	41
Yellow-headed Blackbird	1												1
Rusty Blackbird	10	1	52	2	28							51	10
Brewer's Blackbird	730			80	3			40	5	1			26
Common Grackle	1500000	294	17		2	103			1		612	3	1
Great-tailed Grackle	1	53				4			cw		1		
Brown-headed Cowbird	500000	19	7	1	23	27			cw				1000
blackbird sp.					140				1000000				
Purple Finch		5			9	1							
House Finch	50	80	8	90	89	50	14	152	50	268	114	23	73
Pine Siskin					2			7		167	41		
American Goldfinch	75	236	9	32	128	264	47	85	13	269	21	57	42
Evening Grosbeak													
House Sparrow	341	755	46	75	88	163	32	55		715	313	417	17
Total	4674837	8280	1540	15630	5130	24273	725	36411	1002432	13168	11638	2383	12151
Species	86	62	64	47	56	64	42	78	48	74	44	49	59

Species	Emporia	Garden City	Halstead	Hays	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin Reservoir	Lakin	Lawrence	L'venworth	Linn County
Pacific Loon													5
Pied-billed Grebe		1											
Horned Grebe													
Western Grebe													
Clark's Grebe													
Am. White Pelican													
Double-crested Cormorant						11	1						1
Great Blue Heron	3	4	3	2		9	41	10		1	7		8
Gr. White-fronted Goose								17					
Snow Goose (White morph)		38				175			500	6100	75	650	300
Snow Goose (Blue Morph)		3				4					62	120	80
Ross' Goose		1											16
Canada Goose	530	504	580	90		1863	361	1200	21796	4114	4050	2	7550
goose species													
Trumpeter Swan													
Tundra Swan													
Wood Duck		200							1				
Gadwall						12	3	30		1	42		67
American Wigeon		245							6	11			
American Black Duck													
Mallard	32	2630	367	15	29	11598	2477	3767	15230	8040	1150	7	153
Blue-winged Teal													
Cinnamon Teal													
Northern Shoveler											1		
Northern Pintail		45								6	2		
Green-winged Teal		51					8	8		17	12		
Canvasback													
Redhead											4		
Ring-necked Duck									1		2		
Greater Scaup													
Lesser Scaup		8								2	1	1	
Long-tailed Duck													
Bufflehead							4				6		
Common Goldeneye	2	3				10	70	289	31	1	82	17	202
Hooded Merganser						50	10	1			63	2	50
Common Merganser		3				48	1040	362	203		33	19	20
Red-breasted Merganser													
Ruddy Duck													
duck sp.		12				25							
Osprey													
Bald Eagle		1				6	40	47	48		42	18	8
Northern Harrier	12	31	11	21	8	22	11	53	18	12	15	7	30
Sharp-shinned Hawk		2	1	2			4	6	2	2	6	2	1
Cooper's Hawk	2	1	1	1		1	cw		3		1		1
Northern Goshawk	1												
Accipiter Sp.			5				2	1					
Red-shouldered Hawk													
Red-tailed Hawk	44	28	41	26	6	22	51	115	90	15	70	54	3
Red-tailed (Harlan's) Hawk		4	3				3				1	2	128
Ferruginous Hawk		6					1			9			3
Rough-legged Hawk	1	10	1	5	2	1	1	18	1	2	1		4
Buteo Sp.		3	10	2		3							
Golden Eagle						1			1	1	1		
American Kestrel	9	14	10	11	3	2	6	24	21	7	23	9	21
Merlin		4		1			2	1		2		1	
Peregrine Falcon													
Prairie Falcon	2	4	4	2		1	2	7	3	1	3		
Falco sp.			1										
Ring-necked Pheasant	4	11	18	78	2		10	6	11	27			
Greater Prairie-Chicken	20			4		6	6	1					
Lesser Prairie-Chicken		4											
Wild Turkey	73		275			365	14	42			45	28	109
Scaled Quail		12											
Northern Bobwhite	100	72	20	37	8	18	38	6	15		25	10	17
Virginia Rail							2			2			
American Coot		1											
Sandhill Crane													
Killdeer						1							1
Least Sandpiper													
Common Snipe				7			1						
Bonaparte's Gull						1							
Ring-billed Gull		1				2		289			1560		70
California Gull													
Herring Gull								38			32		3
Thayer's Gull													
Glaucous Gull										5			
Great Black-backed Gull											1		
Larus sp.													
Rock Dove	241	331	16	94	28		53	15	148	64	690	66	108
Eurasian Collared-Dove										9			
Ringed Turtle-Dove													
Mourning Dove	11	27	39	46	3	cw	19	5	20	1	190	24	123
Inca Dove		5											
Greater Roadrunner													
Barn Owl		1				1							
Eastern Screech-Owl	3		cw				2	1	4		5	2	
Great Horned Owl	2	8	3	6		4	1		10	6	4		3
Long-eared Owl	19	2							1				
Short-eared Owl								2					
Burrowing Owl													14
Barred Owl	1												
Belted Kingfisher	2	1	3			2	5	2		2		3	8
Red-headed Woodpecker							4	3			2		2
Red-bellied Woodpecker	30	1	23	13	2	18	23	25	19		6	16	52
Yellow-bellied Sapsucker	2		1	2		1	2				52	52	84
Ladder-backed Woodpecker											2	2	1

Species	Emporia	Garden City	Halshead	Hays	Jetsmore	John Redmond	Junction City	Kanopolis	Kirwin Reservoir	Lahle	Lawrence	L'venworth	Linn County
Downy Woodpecker	26	8	30	22	2	19	18	9	20	1	76	59	86
Hairy Woodpecker	5	1		4		2	5	3			20	3	13
Northern Flicker	31	2	17	6		2	4	28		1	9	14	49
Yellow-shafted Red-shafted	30	6	12	26		13	31	6	13	2	43	18	31
Pileated Woodpecker	1	21	2	14	1	2	3	4	3	6	4		16
Eastern Phoebe						1						1	
Loggerhead Shrike	4	1	2	1		1	1	3	2				1
Northern Shrike		2											
Blue Jay	62	18	58	1		7	68	7		8	151	156	233
Western Scrub-Jay													
Black-billed Magpie		169		37	2				66	26			
Pinyon Jay													
American Crow	142	16	335	86	36	338	830	289	129	19	425	175	210
Chihuahuan Raven													
Horned Lark	1825	185	588	1189	213	210	130	2143	2016	290	700	382	336
Carolina Chickadee													
Black-capped Chickadee	78		95	51	1	26	96	48	174		223	97	118
Mountain Chickadee		5											
Tufted Titmouse	16		12			13	15		3		117	115	119
Juniper Titmouse													
Red-breasted Nuthatch	2	8	3	11			4		1	1	2		
White-breasted Nuthatch	12	7	11	11		9	30	6	7	2	36	21	54
Brown Creeper	2			1			5	1	2		1	1	1
Rock Wren													
Carolina Wren	4	2	4	3		3	10	2			25	12	3
Bewick's Wren	2						cw						
Winter Wren			1	2		3	cw				1		
Sedge Wren													
Marsh Wren										6			
Golden-crowned Kinglet		1		1	1						2		
Ruby-crowned Kinglet	2										1		
Eastern Bluebird	54		9	23		26	73	29	38		71	36	157
Western Bluebird				2									
Mountain Bluebird		1			6			31					
Townsend's Solitaire		9						4		1			
Hermit Thrush							2						
American Robin	91	244	69	846	65	60	1204	1210	528	41	219	5	154
Gray Catbird													
Northern Mockingbird	1	5	2							1	3	4	16
Brown Thrasher													
Curve-billed Thrasher													
European Starling	1088	9827	3953	5740	102	127	91	154	1150	121	1190	4208	354
American Pipit													
Cedar Waxwing	20	350	3	15	55	15	87	101	32	12	78	6	96
Orange-crowned Warbler													
Yellow-rumped Warbler, Myrtle Audubon's			10			2	17	5			4		8
Pine Warbler										1			
Spotted Towhee			12				2			1	4	1	
Eastern Towhee													
Canyon Towhee													
Rufous-crowned Sparrow													
American Tree Sparrow	45	158	213	97	78	119	116	275	791	104	363		430
Field Sparrow			6							1			
Vesper Sparrow													
Lark Bunting													
Savannah Sparrow											1	3	
LeConte's Sparrow													
Fox Sparrow				1			1				5	1	2
Song Sparrow	21	1	37	11	4	53	9	2	98	6	116	84	62
Lincoln's Sparrow						1							
Swamp Sparrow											19		3
White-throated Sparrow			cw				cw		3		8	67	39
Harris's Sparrow	45	27	418	93	1	40	88	55	91		109	34	123
White-crowned Sparrow	3	162	6	3	2	5	1		38	59	18	11	165
Dark-eyed Junco	59	207	33	38		71		151	85	98	275	383	364
White-winged													
Slate-colored	58	94	161	154	20	18	264	29		4	441	237	186
Oregon	1	120	48	41				1		7	9		2
Gray-headed		1											
sparrow sp.				52					353				
McCown's Longspur				1									
Lapland Longspur	77	4		225	200			2	2333	6	250		8
Chestnut-collared Longspur													
longspur sp.													
Snow Bunting													
Northern Cardinal	97	15	130	17	1	38	122	74	28	4	300	169	197
Red-winged Blackbird	284	971	681	757	120	125	307	5882	3131	1166	816	438	6300
Eastern Meadowlark	227					94	4				2	3	36
Western Meadowlark	18	282	2	177	148		32		40	291	50	1	
meadowlark sp.													
Yellow-headed Blackbird			751				258	281			340	69	145
Rusty Blackbird			300	25				151			7	24	16
Brewer's Blackbird		20		1		2		594					
Common Grackle	125	3				3	2				4	356	19
Great-tailed Grackle	43	591										143	334
Brown-headed Cowbird		162			2			62		11	44	212	12
blackbird sp.			250	145		70			205			200	
Purple Finch											5		
House Finch	52	172	111	250	19		32	86	44	18	260	23	33
Pine Siskin		97	cw	1			2			16			
American Goldfinch	31	146	25	16	4	41	60	59	71	47	282	91	144
Evening Grosbeak		2											
House Sparrow	76	1941	171	325	57	56	117	264	253	681	593	205	242
Total	5906	20397	10007	10988	1235	15894	8459	18444	49933	21517	16092	9182	20163
Species	59	75	51	58	36	64	68	64	56	56	80	60	71

Species	Manhattan	Meade County	Olathe	Old Garfield Co.	Olzburg	Oskaloosa Perry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake
Pacific Loon													
Pied-billed Grebe						3				5			
Horned Grebe						1							
Western Grebe	cw												
Clark's Grebe													
Am. White Pelican						cw			8				
Double-crested Cormorant	5					2	1					2	
Great Blue Heron	54	1				10	1	11	33	9	1	17	2
Gr. White-fronted Goose	37								750	7		25	
Snow Goose (White morph)	66	12	15		375	10	425		1500	75		553	
Snow Goose (Blue Morph)	8				9	4	170		128	3			
Ross' Goose	cw								60				1
Canada Goose	5741	4295	3104		97	1400	1052	455	1000	2817	353	7989	527
goose species													
Trumpeter Swan													
Tundra Swan													1
Wood Duck	2		1						5	1			2
Gadwall	206	5	24		3	40	3		1	8		10	5
American Wigeon	19	12							2	22		7	12
American Black Duck													
Mallard	8440	2310	557		169	700	161	187	3316	1624	115	2055	840
Blue-winged Teal	2	5											
Cinnamon Teal		1											
Northern Shoveler	2	50											
Northern Pintail		2							8	9		4	2
Green-winged Teal	24				14				7	17			6
Canvasback	9	1											
Redhead	1	5				1							
Ring-necked Duck		10	1				36			20			
Greater Scaup													
Lesser Scaup	cw	5										1	2
Long-tailed Duck													
Bufflehead	1											3	
Common Goldeneye	109	4				220		24	1	1	20	8	
Hooded Merganser	124	3				35		4				2	
Common Merganser	3914	16				950			3	12			12
Red-breasted Merganser						1							
Ruddy Duck													
duck sp.											44		
Osprey													
Bald Eagle	139				3	36	3	6	17	3	1		
Northern Harrier	34	3		25	20	16	18	5	44	59	5	23	12
Sharp-shinned Hawk	4	1			2	1	2	1	4	9	3		
Cooper's Hawk	4				3	1	1		6	3	2	4	3
Northern Goshawk													
Accipiter Sp.						2					2		
Red-shouldered Hawk													
Red-tailed Hawk	80	7	55	20	61	84	24	72	46	77	34	30	11
Red-tailed (Harlan's) Hawk	9		4		2				1	1			
Ferruginous Hawk		3		2					3	1			6
Rough-legged Hawk	6	2		5	4	3	1		5		2	7	5
Buteo Sp.	3	2									16	4	2
Golden Eagle	1	cw											
American Kestrel	14	6	14	5	5	15	6	13	17	32	14	14	6
Merlin	3	cw		7	2				4	4	1	1	2
Peregrine Falcon	1	1											
Prairie Falcon	4	cw			1				1	4	1	5	4
Falco sp.												2	
Ring-necked Pheasant	12	cw		10		1			75	50	47	3	
Greater Prairie-Chicken	33				6				1		cw		
Lesser Prairie-Chicken													
Wild Turkey	162		9		82	29	cw	26	74	109	320	45	24
Scaled Quail													
Northern Bobwhite	227	84	16	39	26	12	20		136	9	22	21	
Virginia Rail		1								5			2
American Coot	1	3											
Sandhill Crane													
Killdeer	8						2			15			
Least Sandpiper													
Common Snipe	5									2			2
Bonaparte's Gull													
Ring-billed Gull	363					200		4					
California Gull													
Herring Gull	7					21							
Thayer's Gull													
Glaucous Gull													
Great Black-backed Gull													
Larus sp.													
Rock Dove	589	cw	184	4	58	7		5		21	246	8	45
Eurasian Collared-Dove		cw											14
Ringed Turtle-Dove													2
Mourning Dove	100	120	80		45	32	48	7	19	112	24	42	5
Inca Dove		7											
Greater Roadrunner										1			
Barn Owl													
Eastern Screech-Owl	3	3	2			6			2	10		5	
Great Horned Owl	5	3	2		2	5		2	4	7	2		3
Long-eared Owl									1				1
Short-eared Owl													
Burrowing Owl													
Barred Owl	13		4			1				2			
Belted Kingfisher	11		3			1	1	1		4		2	1
Red-headed Woodpecker	27				8	8	4	1					
Red-bellied Woodpecker	142	2	17	2	21	78	24	39	10	29	19	28	7
Yellow-bellied Sapsucker	10				4	8	2	1		2	1	2	
Ladder-backed Woodpecker													

Species	Manhattan	Meade County	Olathe	Old Garfield Co.	Otsburg	Oakaloosa Ferry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake
Downy Woodpecker	96	3	45	2	22	90	4	22	9	37	14	20	16
Hairy Woodpecker	14	cw	7		3	5	3	7	1	6	2		2
Northern Flicker	28	1		3	17	19	1	3	34	48	11	7	2
Yellow-shafted	97	2	16	3	33	70	24	42	22	26	17	5	4
Red-shafted	21	cw		16	5	1		1	6	13	3	3	4
Pileated Woodpecker							2						
Eastern Phoebe								1	3	1		1	
Loggerhead Shrike	cw	cw											
Northern Shrike													
Blue Jay	311	cw	159		218	251	45	86	1	5	28	2	16
Western Scrub-Jay				1									
Black-billed Magpie		5		1					10			1	17
Pinyon Jay													
American Crow	3363	42	168	33	3221	271	102	281	63	501	150	172	6
Chihuahuan Raven													
Horned Lark	238	32	312	3211	28	560	834	3	44	2	86	226	516
Carolina Chickadee							20			96		19	
Black-capped Chickadee	443	2	190		86	223		114	16		116	35	13
Mountain Chickadee		1		1									2
Tufted Titmouse	127		82		28	126	18	21	1	5	24	25	
Juniper Titmouse													
Red-breasted Nuthatch	5	4	4				cw			1	3		4
White-breasted Nuthatch	82	3	21	3	11	40		15	1	14	9	25	6
Brown Creeper	9		6			2				2	4	9	
Rock Wren													
Carolina Wren	59		1		5	30				13	4	8	
Bewick's Wren	6				1					1			
Winter Wren	1				1	2				2	1	1	
Sedge Wren										1			
Marsh Wren									2	5			2
Golden-crowned Kinglet	25					1	1		2	1	5	1	
Ruby-crowned Kinglet	cw								2	2			
Eastern Bluebird	284	18	19		79	155	18	114	38	151	34	12	5
Western Bluebird													
Mountain Bluebird									56	391			26
Townsend's Solitaire	2	3		1	1				2				17
Hermit Thrush	1				1					1			
American Robin	4392	37	7	196	4692	180	cw	498	47	1278	280	275	308
Gray Catbird													
Northern Mockingbird		1	7			10	10	10	1				
Brown Thrasher	cw												1
Curve-billed Thrasher													
European Starling	4791	58	533	136	844	620	1470	491	372	158	1041	205	1035
American Pipit							cw						
Cedar Waxwing	92	1	56		582	250		197	2	509	37	75	170
Orange-crowned Warbler										1			
Yellow-rumped Warbler, Myrtle Audubon's	20	cw			17	2			3	41		5	1
Pine Warbler	1	1											
Spotted Towhee	31	1	1		8	6			1	5			8
Eastern Towhee	cw					2						2	
Canyon Towhee													
Rufous-crowned Sparrow													
American Tree Sparrow	819	5	82	290	217	590	102	35	590	212	158	212	29
Field Sparrow	1					1				3			
Vesper Sparrow									1	1			
Lark Bunting													
Savannah Sparrow	8					6	7		2	88			
LeConte's Sparrow													
Fox Sparrow	7				2	1		1	3	8			4
Song Sparrow	113	1	4	2	22	70	32	11	36	29	2	17	11
Lincoln's Sparrow	7				3	3							
Swamp Sparrow	2					12			5	2			
White-throated Sparrow	4					6	15			1		1	1
Harris's Sparrow	578	12	16	2	78	107	20	58	207	101	82	30	13
White-crowned Sparrow	12	3	20		9	16	32	8	20	7			15
Dark-eyed Junco		162		4		346	221	50		65		96	95
White-winged													2
Slate-colored	1922		1001	52	511	426		70	253	71	165		47
Oregon	30		1	75	8	2		1	17	13			104
Gray-headed		5											
sparrow sp.								20					
McCown's Longspur	50												
Lapland Longspur	1	cw	1	222		6	75			18		400	33397
Chestnut-collared Longspur													
longspur sp.		125											
Snow Bunting													1
Northern Cardinal	429	2	141		133	250	120	102	16	45	78	37	18
Red-winged Blackbird	708	205	1	3969		4600	1895	1385	105000	567	28	890	82
Eastern Meadowlark	17		26			1	509	22		4			
Western Meadowlark	33	47		337	24				3	3			36
meadowlark sp.	832				2	156		66	414	135	287	423	
Yellow-headed Blackbird									14				
Rusty Blackbird	18		64		2	130	29			10		50	
Brewer's Blackbird					67				300	170		6	
Common Grackle	2		79		3	1	1867	2	3	2	63		1
Great-tailed Grackle			304							1	194		
Brown-headed Cowbird	83			1	11	15	361		2	4			
blackbird sp.		5								2500	200		
Purple Finch	8				8	3		4					
House Finch	361	38	71	8	112	107	13	176	3	128	67	53	258
Pine Siskin	18	64			6	1		6	1	16		1	10
American Goldfinch	421	15	67	19	153	196	97	153	39	75	99	53	15
Evening Grosbeak													
House Sparrow	917	108	176	159	61	360	30	138	56	135	118	36	1567
Total	42724	7997	7780	8866	12357	14272	9982	5078	115014	12932	4707	14359	39456
Species	96	63	50	32	61	78	51	49	75	91	52	66	70

Species	Slate Creek	SE Kansas Mined Land	Syracuse	Topeka	Udall	Ulysses	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	Total
Pacific Loon													1
Pied-billed Grebe					2					15			35
Horned Grebe													3
Western Grebe													cw
Clark's Grebe													2
Am. White Pelican									1		1		11
Double-crested Cormorant	11				1		1			14	29		86
Great Blue Heron	12	1	1	4	1		cw	1	11	20	9	2	370
Gr. White-fronted Goose					1		40		2			3	907
Snow Goose (White morph)				10			4500	379	450		cw		16280
Snow Goose (Blue Morph)					1		400		70				1068
Ross' Goose					8		6		4		4		100
Canada Goose	1002	706	2	13621	14253	cw	5500	55	12000	9140	2750		149025
goose species	520												520
Trumpeter Swan				cw									cw
Tundra Swan											cw		2
Wood Duck				3	1					15			233
Gadwall	1			106	10				1	58	45		821
American Wigeon	13				3				1	39	2		404
American Black Duck				1									1
Mallard	19333	736	102	1789	15473		6500	40	18000	2714	6077	154	160262
Blue-winged Teal				8									15
Cinnamon Teal													1
Northern Shoveler					2					88			348
Northern Pintail	1				2		1		2	1	5		99
Green-winged Teal	2				1		1		16	4	7		211
Canvasback					3			2		12			49
Redhead										19			37
Ring-necked Duck				10	1					25	2		203
Greater Scaup										1			1
Lesser Scaup								4		126	cw		191
Long-tailed Duck													1
Bufflehead				5	21				2	44	28		122
Common Goldeneye	16			124	75		2500		175	165	554		5365
Hooded Merganser				7	24		1		6	46	307		826
Common Merganser	20			8	500		1200	25	1600	16	18000		30594
Red-breasted Merganser					15								16
Ruddy Duck				2						7			11
duck sp.		6								61		51	202
Osprey													1
Bald Eagle	15	6		20	5		76	15	34		7	4	756
Northern Harrier	129	34	10	4	78	31	33	31	18	7	29	31	1174
Sharp-shinned Hawk	5	2		3	5	4	3	4	2	4	cw		119
Cooper's Hawk	3	3		3	3	2	4		2	1	4	2	91
Northern Goshawk													1
Accipiter Sp.										1			14
Red-shouldered Hawk		3											8
Red-tailed Hawk	278	119	11	37	160	11	70	115	48	50	37	42	2905
Red-tailed (Harlan's) Hawk	7					1	1	3	1	1	1	1	65
Ferruginous Hawk	1		4					2					98
Rough-legged Hawk	1	1	1			6	4	9	8		3		183
Buteo Sp.		3											54
Golden Eagle			1			3					1		17
American Kestrel	30	20	10	10	25	3	1	4	12	8	21	17	618
Merlin			2		2				2	1		1	51
Peregrine Falcon													3
Prairie Falcon	4		2	1		5	1	2	1	2	cw	5	89
Falco sp.													3
Ring-necked Pheasant	44				2	7	6	18	20	14	9	18	643
Greater Prairie-Chicken								2	18		80		193
Lesser Prairie-Chicken													6
Wild Turkey	3	89		81	72	3	17	43					2963
Scaled Quail													129
Northern Bobwhite	67	10		40	278	28	3	28	20	30	19	12	1769
Virginia Rail	1							1					15
American Coot				9						165	10		345
Sandhill Crane													15
Killdeer				1						2			21
Least Sandpiper													1
Common Snipe										4	1		27
Bonaparte's Gull										cw			1
Ring-billed Gull	9			8	39		6	17	1	209	300		3586
California Gull					1					3			4
Herring Gull					50		40		1	26	500		746
Thayer's Gull										1			1
Glaucous Gull										1			2
Great Black-backed Gull										1			1
Larus sp.				1						2			5
Rock Dove	21	5	32	163	88	396	2	10	151	712	2	33	5521
Eurasian Collared-Dove			1		1	3							44
Ringed Turtle-Dove													2
Mourning Dove	100	86	7	135	96	28	5	6	2	79	4		2347
Inca Dove													14
Greater Roadrunner													1
Barn Owl	2							3					17
Eastern Screech-Owl	5	1			1			2	1	3			127
Great Horned Owl	10		2	3	9	4		12	2	3	3	1	218
Long-eared Owl						1					3		33
Short-eared Owl	37										2		67
Burrowing Owl													1
Barred Owl	18				10			7		1			107
Belted Kingfisher	2			4	4		1	2	1	9	2	2	93
Red-headed Woodpecker		11			1								244
Red-bellied Woodpecker	31	56	7	61	69		16	14	5	10	6	27	1442
Yellow-bellied Sapsucker	1	1		3	2			3		2			76
Ladder-backed Woodpecker													3

Species	Slate Creek	SE Kansas Mined Land	Syracuse	Topoka	Udall	Ulysses	Waconda	Wakefield	Webster	Wichita	Wilson	Yoder	Total
Downy Woodpecker	27	60	7	68	51	6	8	25	10	34	3	7	1369
Hairy Woodpecker	5	5	1	8	2		3	12	3	4		1	207
Northern Flicker	11	98	5	1	48	4	3	13	32	44	10	20	814
Yellow-shafted	33		1	41	36	3	2	13	1	15		1	947
Red-shafted	8	2	24		7	16	5	4	2	4	2		264
Pileated Woodpecker	3	5			1								42
Eastern Phoebe													1
Loggerhead Shrike	3	6	1		6						1		63
Northern Shrike			1		1		1						7
Blue Jay	52	160	8	154	91	12	4	30	3	45	1	8	3509
Western Scrub-Jay													1
Black-billed Magpie			27			51	5	2	26		2		659
Pinyon Jay			1										1
American Crow	231	241	3	614	422	33	26	292	65	50000	16	179	66635
Chihuahuan Raven													cw
Horned Lark	1598	278	129	418	2679	2615	4500	419	75	28	403	23	39583
Carolina Chickadee	58	95			74								465
Black-capped Chickadee			160		30		9	36	38	92	24	89	3494
Mountain Chickadee			1			8							41
Tufted Titmouse	19	53		96	45			2		26		7	1471
Juniper Titmouse													cw
Red-breasted Nuthatch			4	cw	2	2			1	5			96
White-breasted Nuthatch	5	14	6	25	11	4	4	11	8	4	2	3	708
Brown Creeper		1		12	11		1	2		5			84
Rock Wren													1
Carolina Wren	11		18		23		1	10		20		4	339
Bewick's Wren					2								14
Winter Wren			1		2			2					21
Sedge Wren													1
Marsh Wren									1	cw			25
Golden-crowned Kinglet			5		6			4	1	9			73
Ruby-crowned Kinglet			2		1								10
Eastern Bluebird	50	23	1	115	132			92	12			15	2378
Western Bluebird													2
Mountain Bluebird			9			17		2	14		54		672
Townsend's Solitaire			5			2		1	1		2	1	67
Hermit Thrush			3		1								16
American Robin	447	9	247	114	430	187	200	550	85	78	931	158	29762
Gray Catbird								1					1
Northern Mockingbird	11	17	1	3	38					7			232
Brown Thrasher		3	2		1								9
Curve-billed Thrasher													1
European Starling	2021	316	47	3237	29526	159	2275	195	375	1520	229	1140	586618
American Pipit													cw
Cedar Waxwing	7		130	109	57	41		146	30	70	2	9	4281
Orange-crowned Warbler										1			2
Yellow-rumped Warbler, Myrtle	9	8	1	6	11	3		12	2	6	9		240
Audubon's													3
Pine Warbler													2
Spotted Towhee	10		1	4	2	1		12		19	4		148
Eastern Towhee		1		3	1							1	10
Canyon Towhee													1
Rufous-crowned Sparrow													1
American Tree Sparrow	541	159	74	308	683	61	725	1454	420	298	368	277	14283
Field Sparrow		2			4	5				1			42
Vesper Sparrow													8
Lark Bunting						2							74
Savannah Sparrow	46	28			22			3					239
LeConte's Sparrow										1			1
Fox Sparrow	11	4		3	18			27	9	7	7		101
Song Sparrow	29	35	17	31	40	47	12	2	9	29	18	6	1412
Lincoln's Sparrow					1			2					19
Swamp Sparrow	1				1	1		3		3			61
White-throated Sparrow	7	27		47	2			2		4			310
Harris's Sparrow	925	149		97	1670	2	110	406	65	277	96	119	7628
White-crowned Sparrow	86	139	7	2	19	56	2	48	8	28	1	1	1392
Dark-eyed Junco	127	391	84	425	570	45				272		48	6154
White-winged													2
Slate-colored	281		19	16	143	43	65	341	115	154	220		8862
Oregon	6		50	3	4	95	5	2	12	7	4		888
Gray-headed						1							9
sparrow sp.													439
McCown's Longspur													52
Lapland Longspur	1075	1	16	57	1891	10687	75	18	1275		2250	30	65165
Chestnut-collared Longspur						3							7
longspur sp.													125
Snow Bunting													1
Northern Cardinal	269	476		166	488	3	24	124	26	99	32	64	5845
Red-winged Blackbird	1263831	2289	151	85	179789	3442	4575	6351	230	10342	975	3146	5156924
Eastern Meadowlark	1				1								1003
Western Meadowlark	1		21		1	413	10	62	125		20		3478
meadowlark sp.	2630	282		179	1702		415	389		580	182	692	12838
Yellow-headed Blackbird													16
Rusty Blackbird	212	14		1	48			217	150		3		1625
Brewer's Blackbird	4	4			82				35		240		2411
Common Grackle	61	71	2		152		3			5	1	2	153866
Great-tailed Grackle										7			1687
Brown-headed Cowbird	142	6		1	15530		1	2		1012	20	20	518783
blackbird sp.		100			502310								1506125
Purple Finch			8							cw			52
House Finch	20	12	88	213	227	198	48	18	88	331	80	25	4904
Pine Siskin			41	1	2	48	3		1	1			553
American Goldfinch	109	76	20	124	164	34	38	95	14	81	26	20	4498
Evening Grosbeak													2
House Sparrow	292	186	215	197	674	725	375	38	80	500	28	173	15342
Total	1297081	7745	1663	23466	771385	19611	34474	12348	36129	80052	35144	6699	8638136
Species	74	58	55	74	98	49	58	71	69	84	74	50	167