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THE WINTER BIRD COUNT FOR 2002

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The 55 winter bird counts conducted from 14 December 2002 to 15 January 2003 represented a slight decrease from the record 57 last year. No new counts were initiated this year, but the Liberal/ Seward County count returned after a short absence. Weather conditions were relatively mild during the count period with most observers beginning their count days below freezing (mean of 27°F) but finishing the day in much warmer temperatures (mean of 51°F). Only 6 counts (11%) had measurable snow. Many compilers commented on the very dry conditions in their count circles and its possible influence on poor seed availability and lower bird densities. The 626 participants this year is only slightly less than last year, but the number of feeder watchers increased (from 69 to 88). Manhattan had the most participants (67), followed by Lawrence (32) and an increasingly popular Red Hills count (30). Alma/ Lake Waubunsee and Seneca each had only one observer. The overall count effort measured by average party hours (32) was only slightly less than last year (32.5).

The 174 species found this year was second only to the record of 176 set in 1999 (159 average since 1990). One species was recorded only during the count week; a Rufous Hummingbird in Salina that had been in the back yard of a home there for several months. It had persisted in spite of temperatures dropping into the teens, but was not seen on the count day. It would have been a new species for the Kansas count. As it was, no new species were observed. Manhattan's 98 species was high for the state, followed closely by Wichita (94), Quivira (93), Udall/ Winfield (93), and Oskaloosa/ Perry Lake (91). Canyonlands/ SE Logan County had the fewest species with 19. The average number of species per count was 65. Quivira National Wildlife Refuge observed the highest number of individual birds with an amazing 13,429,760 (12,500,000 of which were Red-winged Blackbirds!). Arkansas City had only a paltry 3,216,262 individuals (2 million of which were Red-winged Blackbirds and another million were European Starlings). Not surprisingly, Red-winged Blackbirds were the most abundant species with 15,063,692 individuals, followed by European Starling with 1,141,091). The table will attest to the extraordinary numbers of other blackbirds and waterfowl that visited Kansas this winter. Canyonlands/ SE Logan County had the fewest number of individuals with 174, but their party of four also spent all eight hours of their count on foot.

Unusual species for this season included a Pacific Loon (Wilson Lake); two Western Grebes each at Manhattan and Waconda Lake; a Clark's Grebe (Wichita); two Turkey Vultures at SE Kansas Mined Land; one Mute Swan (Olathe); Greater Scaup (one at Arkansas City, 20 at Baldwin and 30 at Wichita); one Long-tailed Duck each at Junction City, Salina and Waconda Lake; six Goshawks (one each at Linn County, Pomona, Red Hills, Topeka, Webster Reservoir and Yoder); two Greater Yellowlegs (one each at John Redmond and Oskaloosa/ Perry Lake); nine Least Sandpipers (Wichita); one Long-billed Dowitcher (John Redmond); one Franklin's

Gull at Lawrence (their first record); one Thayer's Gull (Wilson Reservoir); one Glaucous Gull (Cheyenne Bottoms); two Inca Doves (one each at Lakin and Meade County); two Greater Roadrunners (one each at Red Hills and Yoder); one Lewis' Woodpecker (Scott Lake; first since 1995); three Eastern Phoebes (one at Linn County and two at Red Hills); one Steller's Jay (Liberal/ Seward County; last seen in 1989); 5 Western Scrub-Jays (six at Ulysses, four at Garden City, three at Cimarron National Grasslands, and one each at old Garfield and Syracuse; only recorded twice in the last 12 years); two Pinyon Jays (Ulysses); one Clark's Nutcracker at Oskaloosa/ Perry Lake (the first in the state since 1972); one Chihuahuan Raven (Liberal/ Seward County); one Rock Wren (Canyonlands/ SE Logan County); three House Wrens (El Dorado); two American Pipits (one each at Liberal/ Seward County and Oskaloosa/ Perry Lake); one Orange-crowned Warbler (Wichita); four Vesper Sparrows (Cimarron National Grassland); three Leconte's Sparrows (one each at Emporia, Halstead-Newton, and Quivira); seven Snow Buntings (six at Black Wolf and one at Wilson Lake); four Common Redpolls (one at Cimarron National Grassland and three at Manhattan); and six Evening Grosbeaks (five at Salina and one at Yoder).

Only four of the counts (7%) reported completely frozen open water during the period, so potential habitat for waterfowl on larger bodies of water was plentiful. Several geese and ducks had greater numbers than the highest count since 1990, including Snow Goose (536,325 with forms combined was 250% greater), Ross' Goose (478 was 45% greater), Common Goldeneye (10,205 was 5% greater) and Common Merganser (90,279 was 27% greater).

Numbers of Sharp-shinned Hawks (125) were only slightly higher than the highest count (123) since 1990 and well above the average (96) for that count period. A remarkable six Goshawks on six different Kansas counts edged above the highest count of 4 (average 2.3) for the past 12 years. The 50 Merlins observed this year is not a record, but considerably above the average (34) during the last decade.

Quail numbers have been of some concern the past few years as their numbers have declined dramatically. The 866 Northern Bobwhite counted this year is almost double last year's count (496) but still nowhere close to the average of 1952 individuals for the past 12 years. Only 6 Scaled Quail were counted this year (well below the mean of 58 for the past decade), but then they were only discovered on two counts.

Owl numbers were comparable to past years with the exception of Barred Owls. The 22% increase noted last year was surpassed with another 45% increase this year (from 138 last year to 200 this year). The average for the past decade has been 98. The increase doesn't seem to be a function of hours of owling.

Eurasian Collared Doves increased another 20% this year (from 245 to 295) and appeared in 3 more count circles than last year (from 15 to 18 counts). Red-bellied Woodpeckers showed a slight increase (1858) over their highest recorded number (1854) since 1990. No similar increases were noted in other woodpeckers. The 124 Loggerhead Shrikes is a five year high but still slightly below the mean for the past 12 years (128).

Several species of common resident and winter visitant woodland birds seemed more abundant this year and this general impression was confirmed by increases on the 2002 count. White-breasted Nuthatches, for example, increased 35% over their highest totals of the past decade (from 942 to 1274 individuals), Brown Creepers increased 21% (from 261 to 317), and Golden-crowned Kinglets 85% (from 688 to 1275). Even the Winter Wren surpassed its record (from 61 to 77) and was well above the average of 20. It was a good year for Hermit Thrushes too (the 25 this year is close to the 29 record in 1998 and well above the average of 8).

Some other species that surpassed their records of the past decade were Mountain Bluebirds (from 1670 to 1897 this year), Gray Catbirds (only by one, from

2 to 3, but catbirds are rare this time of year), Northern Mockingbird (from 232 to 242), and Field Sparrows (from 329 to 335).

The 15,063,692 Redwing Blackbirds represents an 84% increase over their highest total of the past decade (only 8,185,538 counted in 1999). A counter's nightmare! Several other blackbirds occurred in large numbers, including Common Grackles and Brown-headed Cowbirds (both in numbers doubling their averages for the 1990s). The 24,382 Great-tailed Grackles surpasses their highest total (12,141) by 100%. The 20,000 individuals on the Olathe count alone are mind-boggling. They roosted (along with a majority of the 5000 Common Grackles and 2265 European Starlings on the same count) in an old hedgerow in a residential area (Don Weiss, pers. comm.). We can recall finding the first Great-tailed Grackle on the Baldwin count in 1988 and thinking what a rarity it was. How quickly bird populations change!

There were several Kansas counts submitted to the National Audubon Society's 102nd Christmas Bird Count (CBC), published in *American Birds*, which were the highest counts for a given species in the nation for the 2001-2002 season. They included: 718 Wild Turkeys at Udall-Winfield, 4935 American Tree Sparrows at Webster Reservoir, 1362 Harris's Sparrows at Udall-Winfield, and 10,859 Lapland Longspurs at Scott Lake. Twenty-four of the 57 Kansas Winter Bird Counts for 2001 (42%) were submitted to *American Birds*, which now only publishes regional summaries and high counts among the results. Complete results of individual count circles are interactively available on the CBC website at www.audubon.org/bird/cbc.

Alma/ Lake Wabaunsee. 38°56'N 96°17'W. Center as described in 1995. 25 December 2002; 7:30 a.m. to 4:50 p.m.; 13°F to 41°F. Wind W-NW 0-8 mph. Still water partly open, moving water partly open; a.m. clear, p.m. clear. One observer in 1 party. Total party-hours 9.25 (5.25 on foot, 4 by car) plus 0.5 hours owling. Total party-miles 103.5 (8.5 on foot, 95 by car), plus 6 miles owling. Total 48 species; 1,272 individuals.

Dan LaShelle (compiler-238 SW Gage Blvd, Apt 1208, Topeka, KS 66606-2059).

Arkansas City. 37°02'N 97°02'W. Center as described in 1978. 21 December 2002; 7:00 a.m. to 6:00 p.m.; 28°F to 44°F. Wind SE-W 10-30 mph. Still water open, moving water open; a.m. cloudy, p.m. clear. Seven observers in 4 parties. Total party-hours 36.5 (7.5 on foot, 29 by car), plus 0.5 hours owling. Total party-miles 305.5 (8.5 on foot, 297 by car), plus 20 miles owling. Total 76 species; 3,216,262 individuals.

Wallace Champeny, Duane DeLong, 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. 28 December 2002; 6:00 a.m. to 5:30 p.m.; 27°F to 47°F. Wind S 10-15mph. Snow 0-1". Still water partly open, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Eight observers in 4 parties, plus 5 at feeders. Total party-hours 32.75 (5.25 on foot, 27.5 by car), plus 7.5 hours at feeders, 2.25 hours owling. Total party-miles 319 (4 on foot, 315 by car) plus 22 miles miles owling. Total 68 species; 12,187 individuals.

Richard Bean, Jan Boyd, Roger Boyd (compiler-P. O. Box 65, Baker University, Baldwin City, KS 66606), Cal Cink, Katharine Kelley, Gerry Parkinson, Barbara Pressgrove, Martin Pressgrove.

Black Wolf/ NW Ellsworth Co. 38°45'N 98°22'W. Center as described in 1993. 11 January 2003; 7:45 a.m. to 5:30 p.m.; 20°F to 38°F. Wind NW 5-10 mph. Still water frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Eleven observers in 5-6 parties, plus 3 at feeders. Total party-hours 30 (8 on foot, 22 by car), plus 3 hours at feeders. Total party-miles 309 (9 on foot, 300 by car). Total 57 species; 10,781 individuals.

Henry Armknecht, Stephen Kitchel, Dan Larson, David Klema, Irwin Hooghem,

Ben Nondorf, Carolyn Nondorf, Lea Nondorf, Beth Ptacek, Andrea Rader, Ellen Rader, Heather Rader, Jennifer Rader, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Matt Smith.

Blue Rapids. 39°41'N 96°38'W. Center as described in 2000. 28 December 2002; 7:00 a.m. to 5:00 p.m.; 32°F to 60°F. Wind SW 5-15 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Eight observers in 4 parties, plus 14 at feeders. Total party-hours 36 (6 on foot, 30 by car), plus 12 hours at feeders, 3.75 hours owling. Total party-miles 290 (9.5 on foot, 280.5 by car), plus 22 miles owling. Total 68 species; 21,226 individuals.

Henry Aemknecht, Doris Burnett, Warren Buss, Jack Haller, Maxine Haller, Sandy Harding, Donna Hartman, Chad Hedinger, Don Hiat, Norma Hiat, Stephen Kitchel, Jim Mayhew, Alan Minge, Lori Parker, Tom Parker (compiler-711 Gypsum St., Blue Rapids, KS 66411), Jeanette Pralle, John Templeton, Marti Templeton, Gwen Turner, Jay Turner, Carroll Whiting, Sarah Whiting.

Bonner Springs/ Lansing. 39°11'N 94°54'W. Center as described in 1995. 22 December 2002; 7:15 a.m. to 5:00 p.m.; 21°F to 41°F. Wind NW 8-12 mph. Still water open, moving water open; a.m. clear, p.m. partly cloudy. Five observers in 3 parties, plus 1 at feeders. Total party-hours 26 (3.5 on foot, 22.5 by car), plus 1 hour at feeders, 1.5 hours owling. Total party-miles 303.5 (5.5 on foot, 298 by car), plus 8 miles owling. Total 69 species; 7,798 individuals.

Bill Busby, Mark Corder, Dan Larson, Galen Pittman (compiler-12042 258th St., Lawrence, KS 66044), John Schukman.

Camp Naish. 39°04'N 94°54'W. Center as described in 1982. 21 December 2002; 6:15 a.m. to 5:15 p.m.; 26°F to 46°F. Wind N 12 mph. Still water open, moving water open; a.m. clear, p.m. cloudy. Four 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 35 species; 901 individuals.

J. D. Jones, Doug McDuff, Alexis Powell, Stan Roth (compiler-532 Oklahoma St., Lawrence, KS 66046-4834).

Canyonlands: SE Logan Co. 38°48'N 100°55'W. Center as described in 1997. 15 December 2002; 8:10 a.m. to 4:10 p.m.; 23°F to 67°F. Wind S 0-5 mph. Still water partly frozen, moving water open; a.m. clear, p.m. partly cloudy. Four observers in 1 party. Total party-hours 8 (8 on foot, 0 by car). Total party-miles 6 (6 on foot, 0 by car). Total 19 species; 174 individuals.

Debra Bolton, Nancy Harness, Sara Shane, Tom Shane (compiler-1706 Belmont, Garden City, KS 67846).

Cedar Bluff. 38°45'N 99°46'W. Center as described in 1985. 19 December 2002; 7:30 a.m. to 5:00 p.m.; 27°F to 45°F. Wind NW 10-25 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Seven observers in 3 parties. Total party-hours 18 (6 on foot, 12 by car). Total party-miles 197 (5 on foot, 192 by car). Total 75 species; 11,235 individuals.

Gregg Friesen, Larry Hesed, Pete Janzen, Mike Rader, Scott Seltman (compiler-RR1, Box 36, Nekoma, KS 67559), Sara Shane, Tom Shane.

Cheyenne Bottoms. 38°26'N 98°41'W. Center as described in 1977. 20 December 2002; 8:15 a.m. to 3:45 p.m.; 28°F to 45°F. Wind S 5-15 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Ten observers in 6 parties. Total party-hours 23 (5.25 on foot, 17.75 by car). Total party-miles 152.5 (4.5 miles on foot, 148 miles by car). Total 64 species; 77,290 individuals.

Karl Grover, Helen Hands (compiler-56 NE 40 Road, Great Bend, KS 67530), Larry Hesed, Stephen Kitchell, Jerry Ney, Rob Penner, Mike Rader, Keith Reif, Kim Schneewis, Melanie Tschannen.

Cimmarron National Grasslands. 37°07'N 101°52'W. Center as described in 1972. 28 December 2002; 7:30 a.m. to 6:00 p.m.; 24°F to 51°F. Wind SW 0-10 mph.

Snow 3". Still water frozen, moving water partly frozen; a.m. clear, p.m. clear. Fourteen observers in 4-5 parties. Total party-hours 49 (11.5 on foot, 37.5 by car). Total party-miles 420 (20 by foot, 400 by car). Total 67 species; 51,927 individuals.

W. Chatfield-Taylor, M. Gearheart, T. Giddens, A. Godwin, L. Mays, S. Patti (compiler-552 W. Belden Ave., Chicago, IL 60614), A. Powell, M. Rader, L. Smith, L. Smith, R. Smith, M. Thompson, J. Tucker, J. Woodard.

Dodge City. 37°46'N 100°00'W. Center as described in 1983. 14 December 2002; 7:50 a.m. to 4:20 p.m.; 28°F to 64°F. Wind W 7 mph. Still water partly open, moving water open; a.m. clear, p.m. clear. Thirteen observers in 5 parties, plus 8 at feeders. Total party-hours 26 (1 on foot, 25 by car), plus 10 hours at feeders. Total party-miles 297 (1 on foot, 296 by car). Total 40 species; 15,338 individuals.

Fred Brooks, Lois Bryson, Wanda Craghead, Joyce Davis, Edna Donaghey, Leonard Donaghey, Pat Dryden, Richard Dryden, Betty Enlow, Joleen Fromm (compiler-2404 5th Ave., Dodge City, KS 67801-2434), Marsha Gomez, Evelyn Kirby, Lorene Kulbiski, Darlene Mapel, Virginia Pennington, Shirly Rumsey, Douglas Spain, Frances Spain, Bill Sutton, Jackie Trindle, Rae Tweedy.

Doniphan County. 39°54'N 95°12'W. Center as described in 1996. 4 January 2003; 7:20 a.m. to 4:50 p.m.; 29°F to 55°F. Wind N 20 mph. Still water partly frozen, moving water partly open; a.m. cloudy, p.m. partly clear. Three observers in 1 parties. Total party-hours 9.5 (1 on foot, 8.5 by car) plus 0.75 hours owling. Total party-miles 96 (1 on foot, 95 by car), plus 4 miles owling. Total 50 species; 9,311 individuals.

Galen Pittman, John Shuckman, Mike Stewart (compiler-1100 Wellington Drive, Leavenworth, KS 66048).

El Dorado Lake. 37°51'N 96°52'W. Center as described in 1990. 28 December 2002; 7:30 a.m. to 4:00 p.m.; 25°F to 40°F. Wind S 15 mph. Snow 3". Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Five observers in 2 parties. Total party-hours 16.5 (14 on foot, 2.5 by car). Total party-miles 149 (3 on foot, 146 by car). Total 65 species; 7,439 individuals.

Duane Delong, Marsha Ebaugh, Charley Green, Bill Langley (compiler-Butler Community College, 901 S Haverhill Rd, El Dorado, KS 67042) Patty Marlett.

Emporia. 38°27'N 96°05'W. Center as described in 1985. 15 December 2002; 7:00 a.m. to 5:30 p.m.; 40°F to 68°F. Wind SW 0-7 mph. Still water open, moving water open; a.m. clear, p.m. clear. Ten observers in 5 parties. Total party-hours 37 (15.5 on foot, 21.5 by car). Total party-miles 247.5 (13 on foot, 234.5 by car). Total 72 species; 5,784 individuals.

Genny Agin, Roger Ferguson, Sherry Ferguson, Bill Jensen, Marvin Kuehn, Paul McNab, Don Patton, Jethro Runco, Jean Schulenberg (compiler-Rt 2, Box 36, Admire, KS 66830), Kathleen Tabor.

Garden City. 37°55'N 100°47'W. Center as described in 1984. 4 January 2003; 8:00 a.m. to 5:00 p.m.; 34°F to 55°F. Wind NNW 5-19 mph. Still water open, moving water open; a.m. clear, p.m. clear. Sixteen observers in 8 parties, plus 17 at feeders. Total party-hours 43 (10.5 on foot, 34.25 by car) plus 32.5 hours at feeders. Total party-miles 272.5 (10 on foot, 262.5 by car). Total 74 species; 9,005 individuals.

Dan Baffa, Debra Bolton, Barbara Campbell, Bob Campbell, Cindy Elliott, Jeff Elliott, Doug Floto, Mary Floto, Carol Geier, Larry Geier, Mary Lake, Dan LaShelle, Barbara McMinimy, Kelly Miller, Marie Osterbuhr (compiler-1103 Gillespie Place, Garden City, KS 67846), Eliesa H. Ramsey, Michael K. Ramsey, Pamela H. Ramsey, Betty Rich, Leonard Rich, Bill Saunders, Emaline Scott, Sara Shane, Tom Shane, Ardith Stones, Chuck Stones, Karen Tanner, Sam Tanner, Wendy White, Mark Williams.

Halstead-Newton. 38°04'N 97°28'W. Center as described in 1965. 14 December 2002; 7:06 a.m. to 5:00 p.m.; 30°F to 56°F. Wind W 0-3 mph. Still water open, moving water open; a.m. clear, p.m. clear. Twenty-five observers in 6-8 parties. Total party-

hours 52.75 (34.25 on foot, 18.5 by car). Total party-miles 206.25 (33.25 on foot, 173 miles by car). Total 74 species; 27,602 individuals.

Bob Dester, Bev DuGay, Gregg Friesen, Jim Goering, Erven Graber, Lorna Harder, Tyler Hicks, Alison Hiebert, Harvey Hiebert, Kerrie Kirkpatrick, Kevin Leary, Cheryl Miller, Norman Pankratz, Dwight Platt (compiler-702 NE 24th St., Newton, KS 67114), Bob Regier, Fremont Regier, Tim Regier, Jethro Runco, Carolyn Schwab, Douglas Storer, John Torline, Nada Voth, Rod Wedel, Linda Willbanks, Lloyd Willbanks (Kauffman Museum sponsor).

Hays. 38°51'N 99°27'W. Center as described in 1987. 14 December 2002; 8:00 a.m. to 5:30 p.m.; 20°F to 63°F. Wind SW 8 mph. Still water partly frozen, moving water open; a.m. clear, p.m. partly cloudy. Fifteen observers in 6 parties, plus 3 at feeders. Total party-hours 31.25 (16.5 on foot, 14.75 by car), plus 6 hours at feeders and 1 hour owling. Total party-miles 307.25 (15.25 on foot, 292 by car), plus 6 miles owling. Total 57 species; 7,869 individuals.

Brian Bartels, Eric Bartholemew, Earl Carlson, Sara Kay Carrell, Rachel Copeland, Greg Farley (compiler-1000 Park St., Department of Biological Sciences, Fort Hays State University, Hays, KS 67601), Elmer Finck, Lavonne Finck, Eric Johnson, John Launchbaugh, Frank Potter, Jim Schmidt, Bill Stark, Jim Strine, Curtis Wolf.

Ingalls/ Cimarron. 37°50'N 100°27'W. Center as described in 2002. 3 January 2003; 7:35 a.m. to 4:55 p.m.; 27°F to 65°F. Wind W 0-8 mph. Snow, small melting drifts. Still water partly open, moving water none; a.m. clear, p.m. partly cloudy. Six observers in 2-3 parties, plus 1 at feeder. Total party-hours 19.75 (3.25 on foot, 16.5 by car), plus 1 hour at feeders. Total party-miles 222 (4 on foot, 218 by car). Total 45 species; 8,368 individuals.

Debra Bolton (compiler-123 W. Hazel St., Garden City, KS 67846), Joyce Davis, Joleen Fromm, Dan LaShelle, Sara Shane, Tom Shane (compiler-1706 Belmont, Garden City, KS 67846), Lavon Timken.

Jetmore. 38°03'N 99°53'W. Center as described in 1999. 20 December 2002; 7:45 a.m. to 4:15 p.m.; 30°F to 48°F. Wind W 3-7 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Two observers in 1 party. Total party-hours 9.25 (1 on foot, 8.25 by car). Total party-miles 131.5 (0.5 on foot, 131 by car). Total 25 species; 1200 individuals.

Joyce Davis (compiler-10874 U.S. 50, Dodge City, KS 67801), Joleen Fromm.

John Redmond Reservoir. 38°16'N 95°49'W. Center as described in 1993. 21 December 2002; 8:00 a.m. to 5:00 p.m.; 25°F to 48°F. Wind N 15-12 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly clear. Ten observers in 4 parties. Total party-hours 29.5 (20 on foot, 9.5 by car), plus 1.5 hour owling. Total party-miles 148 (15 on foot, 133 by car), plus 2.5 miles owling. Total 80 species; 19,998 individuals.

Randy Bodenhammer, Bob Culbertson (compiler-207 Cheyenne, New Strawn, KS 66839), Carol Culbertson, Helene Hall, Ken Hall, Frances Ramirez, Jesse Ramirez, Marty Ramirez, Ken Resnick, Dan Williamson.

Junction City. 39°00'N 96°53'W. Center as described in 1992. 29 December 2002; 7:00 a.m. to 5:00 p.m.; 32°F to 56°F. Wind S-SW 0-22 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Fourteen observers in 5 parties. Total party-hours 43.25 (21 on foot, 22.25 by car), plus 2 hours owling. Total party-miles 331.25 (8.5 on foot, 322.75 by car), plus 53 miles owling. Total 88 species; 28,035 individuals.

Henry Armknecht, Doris Burnett, Christian Hagen, Tyler Hicks, Carol Hoogheem, Irwin Hoogheem, Kerrie Kirkpatrick, Steven Kitchel, Cheryl Miller, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441), Jaye Otte, Brett Sandercock, Carolyn Schwab, Christopher Smith.

Kanopolis Reservoir. 38°37'N 97°57'W. Center as described in 1983. 12 January 2003; 7:30 a.m. to 5:30 p.m.; 28°F to 50°F. Wind NW 10-20 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Nine observers in 4 parties. Total party-hours 30 (8.5 on foot, 21.5 by car). Total party-miles 326 (7 on foot, 281 by car). Total 69 species; 15,079 individuals.

Henry Armknecht, Kevin Groeneweg, Hoogy Hoogheem, Stephen Kitchel, Chuck Otte, Jaye Otte, Rader, Rob Penner, 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 in 1994. 28 December 2002; 8:00 a.m. to 5:00 p.m.; 30° to 65°F. Wind SE 5 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Six observers in 4 parties, plus 1 at feeders. Total party-hours 21 (1 on foot, 20 by car), plus 1 hour at feeders. Total party-miles 273 (1 on foot, 272 by car). Total 48 species; 28,229 individuals.

Terri Baker, John Beim, Erich Gilbert (compiler-702 E. Xavier Rd, Kirwin, KS 67644), Dolores Knowles, Deb Robinson, Dave Wangerin, Nancy Wangerin.

Lakin. 37°59'N 101°15'W. Center as described in 1994. 14 December 2002; 8:00 a.m. to 5:30 p.m.; 35°F to 60°F. Wind S 0-5 mph. Still water open, moving water open; a.m. clear, p.m. clear. Nine observers in 5 parties, plus 2 at feeders. Total party-hours 16 (2 on foot, 14 by car), plus 4.5 hours at feeders. Total party-miles 148.5 (3.5 on foot, 145 by car). Total 44 species; 12,603 individuals.

Bruce Coulson, Doug Floto, Mary Floto, Marie Osterbuhr, Betty Rich, Leonard Rich (compiler-1107 E. Johnson St., Garden City, KS 67846), Betty Schreibvogel, Frita Schreibvogel, Sara Shane, Tom Shane, Phyliss Sullivan.

Lawrence. 39°00'N 95°18'W. Center as described in 1981. 14 December 2002; 7:15 a.m. to 5:30 p.m.; 20°F to 58°F. Wind SW 0-15 mph. Still water open, moving water open; a.m. clear, p.m. clear. Thirty-two observers in 14 parties, plus 5 at feeders. Total party-hours 115.5 (52 on foot, 63.5 by car), plus 10.25 hours at feeders, 8.75 hours owling, 1 hour bicycling. Total party-miles 648 (42 on foot, 606 by car), plus 61 miles owling, 5 miles bicycling. Total 88 species; 22,720 individuals.

Bob Antonio, Kelly Barth, Bill Berkowitz, David Berkowitz, Jack Berkowitz, Sue Calhoun, Maggie Childs, Calvin Cink, Mark Corder, Lisa Grossman, Dee Hansen, Eric Hansen, Bill Hays, Joyce Huser, Oliver Komar, Mick McHugh, Duane Otto, Gerry Parkinson, Galen Pittman (compiler-12042 258th St., Lawrence, KS 66044), Alexis Powell, Stan Roth, Bob Rucker, David Seibel, Dawn Sharp, Cynthia Shaw, Ed Shaw, Barbara Smith, Ted Smith, Gerald Sneegas, Margaret Wedge, Joyce Wolf, Ron Wolf.

Leavenworth-Atchison. 39°23'N 95°00'W. Center as described in 1992. 21 December 2002; 7:00 a.m. to 3:00 p.m.; 22°F to 40°F. Wind N 5 mph. Still water partly open, moving water open; a.m. partly clear, p.m. clear. Three observers in 1 parties, plus 2 at feeders. Total party-hours 8 (2 on foot, 6 by car), plus 4 hours at feeders, 0.5 hours owling. Total party-miles 129 (2 on foot, 127 by car), plus 1 mile owling. Total species 56; 5,385 individuals.

Chuck Allen, Arnold Arts, Charlene Arts, Liddell Hughes, Galen Pittman, John Schukman (compiler-14207 Robin Rd., Leavenworth, KS 66048).

Liberal-Seward County. 37°08'N 100°50'. Center as described in 1992. 30 December 2002; 8:00 a.m. to 5:00 p.m.; 20°F to 49°F. Wind NW 15-20 mph. Snow 1-3". Still water partly open, moving water partly open; a.m. clear, p.m. clear. Four observers in 2 parties. Total party-hours 14 (2 on foot, 12 by car). Total party-miles 90 (5 on foot, 85 by car). Total species 58; 372,094 individuals.

S. Patti (compiler-552 W. Belden Ave., Chicago, IL 60614), A. Powell, M. Thompson, M. Rader.

Linn County. 38°17'N 94°45'W. Center as described in 1982. 29 December

2002; 6:00 a.m. to 5:30 p.m.; 59°F to 35°F. Wind S 20 to 30 mph. Snow 0-1". Still water partly open, moving water partly open; a.m. partly cloudy, p.m. partly cloudy. Thirteen observers in 5 parties. Total party-hours 41.75 (6 on foot, 35.75 by car) plus 3.25 hours owling. Total party-miles 452 (14 on foot, 438 by car), plus 41 miles owling. Total 87 species; 15,213 individuals.

Jan Boyd, Roger Boyd (compiler-Biology Dept., Baker University, Baldwin City, KS 66606), Cal Cink, Jo Cink, Mark Corder, Mark Land, Mick McHugh, Lynn Miller, Galen Pittman, Barbara Pressgrove, Martin Pressgrove, Mike Van Stratton, Kevin Winer.

Manhattan. 39°11'N 96°34'W. Center as described in 1993. 21 December 2002; 4:00 a.m. to 6:00 p.m.; 26°F to 45°F. Wind S 10-20 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Sixty-seven observers in 28 parties, plus 2 at feeders. Total party-hours 163.25 (79.75 on foot, 83.5 by car), plus 6 hours at feeders, 5.5 hours owling. Total party-miles 615 (88 on foot, 527 by car), plus 3 miles owling. Total 98 species; 70,454 individuals.

Earl Allen, Charles Anderson, Saneer Anderson, Henry Armknecht, Dusty Becker, Jerry Best, Carla Bishop, Bill Burnett, Doris Burnett, Chuck Bussing, Sandy Bussing, Jack Culley, Elizabeth Dodd, Michael Donnelly, Roxanne Fagan, Kevin Fay, Clyde Ferguson, Lena Ferguson, Ann Feyerharm, Kabita Ghirmire, Christian Hagen, Safa Hamze, Joe Hawes, Chod Hedinger, Carol Hoogheem, Hoogy Hoogheem, Bill Jensen, Lowell Johnson, Loretta Johnson, Ron Klataske, Roma Lenehan, Monta Manney, Mark Mayfield, Barry Michie, Bob Mohr, Beth Montelone, Marge Muenzenberger, Tom Muenzenberger, Ralph Najarian, Ed Olson, Kay Olson, Jack Oviatt, Peter Oviatt, Sally Oviatt, Susan Oviatt, Tom Parker, David Rintoul (compiler-Biology Division, Kansas State University, Manhattan, KS 66506-4901), Judy Roe, Jethro Runco, Brett Sandercock, Gary Shaver, Tom Shields, Chris Smith, Gerry Snyder, Madonna Stallman, Michael Strobe, Dana Townsend, Harvard Townsend, Elizabeth Vanderlip, Wildfire Wandering, Paul Weidhaas, Ellen Welti, Laura Welti, Ruth Welti, Frank White, Elizabeth Winter, Don Wissman, Kim With, Patricia Yeager.

Meade County. 37°15'N 100°20'W. Center as described in 1985. 31 December 2002; 7:30 a.m. to 4:30 p.m.; 22°F to 48°F. Wind SSW 10 mph. Still water partly open, moving water open; a.m. clear, p.m. clear. Two observers in 1 party, plus 4 at feeders. Total party-hours 9 (8 on foot, 1 by car), plus 5 hours at feeders. Total party-miles 70 (5 on foot, 65 by car). Total 47 species; 4,380 individuals.

Audrey Flowers, Kristen Flowers, Robin Flowers, Steven Flowers, Thomas Flowers (compiler-P.O. Box 87, Meade, KS 67864-0087), Mark Goldsberry.

Olathe. 38°55'N 94°51'W. Center as described in 1986. 28 December 2002; 7:00 a.m. to 5:00 p.m.; 35°F to 55°F. Wind-none. Still water partly frozen, moving water partly frozen; a.m. cloudy, p.m. partly clear. Three observers in 3 parties. Total party-hours 23 (6 on foot, 17 by car), plus 4 hours owling. Total party-miles 235 (7 on foot, 228 by car), plus 18 miles owling. Total 60 species; 81,900 individuals.

Steve Crawford, Dave Fischer, Don Weiss (compiler-12100 Cherry Lane, Olathe, KS 66061-8790).

Old Garfield County. 37°59'N 101°15'W. Center as described in 1993. 2 January 2003; 7:30 a.m. to 4:00 p.m.; 24°F to 50°F. Wind NW 12 mph. Still water frozen, moving water frozen; a.m. partly clear, p.m. clear. Ten observers in 3 parties. Total party-hours 14 (1 on foot, 13 by car). Total party-miles 104.5 (1.5 on foot, 103 by car). Total 33 species; 7,877 individuals.

Barbara Campbell (compiler-709 W. Maple, Garden City, KS 67846), Bob Campbell, Camilla Green, Connery Green, Dan LaShelle, Marie Osterbuhr, Mike Ramsey, Leonard Rich, Tom Shane, Tiffney Wolf.

Olsburg. 39°25'N 96°39'W. Center as described in 1991. 23 December 2002;

7:30 a.m. to 5:30 p.m.; 18°F to 30°F. Wind N 5-10 mph. Still water frozen, moving water partly frozen; a.m. cloudy, p.m. cloudy. Nine observers in 4 parties, plus 5 at feeders. Total party-hours 33 (9 on foot, 24 by car), plus 12 hours at feeders. Total party-miles 303.5 (11 on foot, 292.5 by car). Total 64 species; 11,622 individuals.

Jean Giddis, Carol Hoogheem, Erwin Hoogheem, Ruth Lynn Hooper, Cindy Jeffrey, Gary Jeffrey (compiler-15850 Galilee Rd, Olsburg, KS 66520), Stephen Kitchel, Irv Pressler, Dave Rintoul, Chet Rosell, Mary Rosell, Chris Smith, John Wesley, Margaret Wooten.

Oskaloosa/ Perry Lake. 39°12'N 95°24'W. Center as described in 1980. 15 December 2002; 6:00 a.m. to 5:20 p.m.; 36°F to 73°F. Wind S 0-16 mph. Still water open, moving water open; a.m. clear, p.m. clear. Twenty-one observers in 7 parties. Total party hours 61.5 (15.5 on foot, 46 by car), plus 3.5 hours owling. Total party-miles 426 (13 on foot, 413 by car), plus 18.5 miles owling. Total 91 species; 15,918 individuals.

Bob Antonio, Richard Bean, Joanne Brier, Tom Cannon, Mark Corder, Richard Field, Dan Gish, Glen Koontz, Dan Larson, Mick McHugh, Duane Otto, Galen Pittman, Marie Plinsky, Bob Rucker, Genevieve Rucker, John Schukman, David Seibel, Janice Smith, Roseanne Smith, Terry Sullivan, Bunnie Watkins (compiler-3212 W 24th Street Terrace, Lawrence, KS 66047).

Parsons. 37°30'N 95°15'W. Center as described in 1996. 14 December 2002; 7:00 a.m. to 5:00 p.m.; 32°F to 55°F. Wind S 10 mph. Still water partly frozen, moving water open; a.m. clear, p.m. clear. Ten observers in 4 parties. Total party-hours 26.5 (3.5 on foot, 23 by car). Total party-miles 135 (4 on foot, 131 by car). Total 73 species; 5,173 individuals.

Mavis Benner, David Hennes, Lawrence Herbert, Barry Jones, Liz Mangile, Robert Mangile, Paul Milks (compiler-2624 Gabriel, Parsons, KS 67357), Ralph Pearce, Jana Tucker, Richard Tucker.

Pomona Lake. 38°40'N 95°41'W. Center as described in 1993. 4 January 2002; 7:30 a.m. to 1:00 p.m.; 28°F to 40°F. Wind NW 5 mph. Still water partly frozen, moving water open; a.m. partly clear, p.m. clear. Eight observers in 3 parties, plus 1 at feeders. Total party-hours 14 (1 on foot, 13 by car), plus 4 hours at feeders. Total party-miles 166 (2 on foot, 164 by car). Total 45 species; 4,106 individuals.

Jeffrey Bender (compiler-Pomona State Park, 22900 S. Hwy. 368, Vassar, KS 66543), Bob Culbertson, Carolyn Roller, Dick Roller, Brett Shultz, Gina Shultz, Josiah Shultz, Mariah Shultz.

Quivira National Wildlife Refuge. 38°09'N 98°29'W. Center as described in 1972. 18 December 2002; 7:30 a.m. to 5:30 p.m.; 34°F to 50°F. Wind SW 5-15 mph. Still water open, moving water open; a.m. partly cloudy, p.m. partly cloudy. Fourteen observers in 5 parties. Total party-hours 30 (10 on foot, 20 by car), plus 0.25 hours owling. Total party-miles 305 (4 on foot, 301 by car), plus 2 miles owling. Total 95 species; 13,429,760 individuals.

Wallace Champeny, Robin Drake-Woods, Bob Gress, Kevin Groeneweg, Larry Hesel, Tyler Hicks, Dan Kilby, Patty Marlett, Jane Queal, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Carolyn Schwab, Scott Seltman, Sandra Tholen, Don Vannoy.

Red Hills. 37°13'N 98°42'W. Center as described in 1994. 4 January 2003; 5:00 a.m. to 5:30 p.m.; 21°F to 65°F. Wind N 5-18 mph. Still water open, moving water open. a.m. clear, p.m. clear. Thirty observers in 4 parties. Total party-hours 36 (15 on foot, 21 by car), plus 2.5 hours owling. Total party-miles 225 (8 miles on foot, 217 by car), plus 20 miles owling. Total 86 species; 10,792 individuals.

Dennis Angle, James Barnes, Elaine Corder, Mark Corder, Jeff Cox, Carol Cumberland, Duane DeLong, Gregg Friesen, Chet Gresham, Kevin Groeneweg, Pete

Janzen (compiler-3137 Mascot, Wichita, KS 67204), Gloria Jones-Wolf, Chris Mammolitti, Patty Marlett, Cheryl Miller, Jim Nickel, Alexis Powell, Jane Queal, Lauren Queal, Lee Queal, Dale Randall, Ben Rogers, Mary Nelle Rogers, Stan Roth, Carolyn Schwab, Eddie Stegall, Savilla Stegall, Rod Wedel, Gene Wilbanks, Linda Wilbanks.

Salina. 38°50'N 97°38'W. Center as described in 1983. 21 December 2002; 7:15 a.m. to 5:00 p.m.; 24°F to 41°F. Wind NE 3-20 mph. Still water partly open, moving water partly frozen; a.m. partly cloudy, p.m. partly clear. Eighteen observers in 8 parties, plus 3 at feeders. Total party-hours 44.5 (22.75 on foot, 21.75 by car), plus 8 hours at feeders. Total party-miles 436.25 (10.25 on foot, 426 by car). Total 59 species; 5,793 individuals.

Martin Bender, Dennis Farres, Kat Farres, David Haight, Kevin Haight, Dale Hammond, Neva Heikes, Bob Highgate, Nancy Highgate, Anne Jilka, Harold Lear (compiler-612 Max Avenue, Salina, KS 67401-6661), Kathy McCullough, Steve Miller, Shannon Rayl, Patricia Remley, Joseph Streckfus, Marge Streckfus, Judy Zanardi.

Sawyer. 37°32'N 98°41'W. Center as described in 1979. 11 January 2003; 8:00 a.m. to 5:00 p.m.; 19°F to 31°F. Wind- none. Still water partly open, moving water open; a.m. clear, p.m. clear. Twelve observers in 8 parties. Total party-hours 20 (10 on foot, 10 by car). Total party-miles 126 (4 on foot, 122 by car). Total 63 species; 20,603 individuals.

Ken Brunson (compiler-512 SE 25th Ave., Pratt, KS 67124), Lee Ann Brunson, Duane Delong, Kevin Groeneweg, Chris Hase, Kristen Hase, Bill Hlavachick, Linda Loomis, Jane Queal, Lee Queal, Jethro Runco, Bob Wood.

Scott Lake. 38°35'N 100°56'W. Center as described in 1987. 21 December 2002; 7:45 a.m. to 5:50 p.m.; 21°F to 39°F. Wind N 12 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Seven observers in 2-3 parties. Total party-hours 21 (3.75 on foot, 17.25 by car). Total party-miles 231 (3.5 on foot, 227.5 by car). Total 55 species; 45,551 individuals.

Dan Baffa, Doug Floto, Marie Osterbuhr, Betty Rich, Leonard Rich, Sara Shane (compiler-1706 Belmont, Garden City, KS 67846), Tom Shane.

Seneca. 39°47'N 96°05'W. Center as described in 1996. 21 December 2002; 7:20 a.m. to 5:05 p.m.; 24°F to 35°F. Wind NE 3-20 mph. Still water partly open, moving water partly open; a.m. partly cloudy, p.m. partly cloudy. One observer in 1 party. Total party-hours 9.75 (5.5 on foot, 4.25 by car), plus 0.25 hours owling. Total-party miles 113 (8 on foot, 105 by car), plus 4 miles owling. Total 43 species; 906 individuals.

Dan LaShelle (compiler-238 SW Gage Blvd., Apt. 1208, Topeka, KS 66606-2059).

Slate Creek Wetlands/ Oxford. 37°15'N 97°15'W. Center as described in 1995. 19 December 2002; 7:30 a.m. to 6:00 p.m.; 28°F to 54°F. Wind N 0-15 mph. Still water open, moving water open; a.m. partly cloudy, p.m. clear. Seven observers in 3 parties. Total party-hours 22.5 (4.5 on foot, 18 by car), plus 3 hours owling. Total party-miles 191 (6.5 on foot, 184.5 by car), plus 40 miles owling. Total 80 species; 168,351 individuals.

Wallace Champeny, Jack Dennett, Norma Dennett, Kevin Groeneweg, 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 2003; 7:30 a.m. to 5:00 p.m.; 24°F to 38°F. Wind ENE 15 mph. Still water partly frozen, moving water open; a.m. clear, p.m. cloudy. Fifteen observers in 6 parties. Total party-hours 44.5 (4.25 on foot, 40.25 by car), plus 0.5 hours owling. Total party-miles 268.25 (2.25 on foot, 266 by car), plus 10 miles owling. Total 75 species; 11,596 individuals.

Mavis Benner, James Brumfield, Steven Ford (compiler-Biology Department,

Pittsburg State University, Pittsburg, KS 66762), David Hennes, Larry Herbert, Barry Jones, Benjamin Lambert, Dorothy Lambert, Laurence Lambert, Daniel Larson, Elizabeth Mangile, Robert Mangile, Emmett Sullivan, Ann Willis, Roger Willis.

Syracuse. 38°00'N 101°52'W. Center as described in 1994. 11 January 2003; 8:00 a.m. to 4:00 p.m.; 16°F to 55°F. Wind N 5 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Eight observers in 4 parties. Total party-hours 24 (9 on foot, 15 by car). Total party-miles 194.5 (5.5 on foot, 189 by car). Total 51 species; 3,733 individuals.

Don Kazmaier, Art Nonhof (compiler-7560 Lindsay Dr., Holcomb, KS 67851-9783), Marie Osterbuhr, Mike Ramsey, Pam Ramsey, Scott Seltman, Sara Shane, Tom Shane.

Topeka. 39°02'N 95°40'W. Center as described in 1972. 14 December 2002; 7:00 a.m. to 5:00 p.m.; 23°F to 59°F. Wind SW 8 mph. Still water open, moving water open; a.m. clear, p.m. clear. Twenty-five observers in 13 parties, plus 5 at feeders. Total party-hours 90.75 (44.75 on foot, 46 by car), plus 21 hours at feeders. Total party-miles 569.75 (43.75 on foot, 526 by car). Total 75 species; 14,936 individuals.

Judy Billings, Joanne Brier, Diana Busey, Richard Field, Bob Foster, Dan Gish, Dean Grisell, Gladys Grisell, Gary Haden (compiler-5225 SW 12th St, Topeka, KS 66604), Jeff Hansen, Peg Howard, Scottie Johnson, Glen Koontz, Mamie Koontz, Joanna LaCoursiere, Dan Larson, Bob Lawson, Richard Martin, Bob McElroy, Sarah Merrill, Susan Miller, Larry Peters, Alan Pollom, Melody Pollom, Joanne Ramberg, Rhonda Simpson, Carole Smalley, Pat Stein, Janeen Walters, Lil Willis, Paul Willis.

Udall/ Winfield. 37°16'N 96°59'W. Center as described in 1972. 15 December 2002; 8:00 a.m. to 5:00 p.m.; 33°F to 63°F. Wind S, 10 mph. Still water open, moving water open; a.m. clear, p.m. clear. Nine observers in 5 parties, plus 1 at feeders. Total party-hours 27.5 (6.5 on foot, 21 by car), plus 8 hours at feeders, 5 hours owling. Total party-miles 364 (9 on foot, 355 by car), plus 84 miles owling. Total 93 species; 57,950 individuals.

Betty Anderson, Duane Anderson, Terry Barnett, Wallace Champeny, Duane DeLong, Kevin Groeneweg, Max Thompson (compiler- 1729 E. 11th Ave., Winfield, KS 67156), Bob Wimmer, Eugene Young.

Ulysses. 37°30'N 101°18'W. Center as described in 1994. 5 January 2002; 8:05 a.m. to 5:30 p.m.; 35°F to 59°F. Wind SSW 10 mph. Still water partly frozen, moving water partly frozen; a.m. partly cloudy, p.m. partly cloudy. Seven observers in 2 parties. Total party-hours 16.25 (5 on foot, 11.25 by car). Total party-miles 171 (7.5 on foot, 163.5 by car). Total 46 species; 47,787 individuals.

Kellye Hart, Dan LaShelle, Marion McGlohon, Marie Osterbuhr, Sara Shane, Tom Shane, Jeff Trotman (compiler-912 N. Arapahoe, Ulysses, KS 67880).

Waconda Lake. 39°28'N 98°22'W. Center as described in 1992. 15 December 2002; 7:00 a.m. to 5:30 p.m.; 33°F to 70°F. Wind SW 5-15 mph. Still water open, moving water open; a.m. partly clear, p.m. clear. Seven observers in 3 parties. Total party-hours 21.5 (8.5 on foot, 13 by car). Total party-miles 236 (7 on foot, 229 by car). Total 81 species; 209,128 individuals.

Charles Anderson, Henry Armknecht, Bob Highgate, Nancy Highgate, Mike Rader (compiler-P.O. Box 395, Wilson, KS 67490), Scott Seltman.

Wakefield. 39°13'N 96°58'W. Center as described in 1992. 22 December 2002; 7:30 a.m. to 5:00 p.m.; 18°F to 43°F. Wind NW 0-6 mph. Still water partly frozen, moving water partly frozen; a.m. clear, p.m. clear. Eight observers in 3 parties, plus 1 at feeders. Total party-hours 23.75 (6.5 on foot, 18.25 by car), plus 2 hours at feeders, 4.25 hours owling. Total party-miles 218.6 (5.5 on foot, 212.1 by car), plus 24.6 miles owling. Total 88 species; 9,300 individuals.

Henry Armknecht, Doris Burnett, Chod Hedinger, Carol Hoogheem, Irwin

Hoogheem, Steve Kitchel, Chuck Otte (compiler-613 Tamerisk, Junction City, KS 66441), Jaye Otte, Mike Powell.

Webster Reservoir. 39°25'N 99°24'W. Center as described in 1992. 4 January 2003; 7:00 a.m. to 5:30 p.m.; 25°F to 56°F. Wind NW 15-40 mph. Still water partly frozen, moving water open; a.m. partly cloudy, p.m. partly cloudy. Three observers in 1-2 parties. Total party-hours 14 (4 on foot, 10 by car). Total party-miles 178 (3 on foot, 175 by car). Total 57 species; 18,533 individuals.

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

Wichita. 37°41'N 97°21'W. Center as described in 1955. 14 December 2002; 7:30 a.m. to 5:15 p.m.; 31°F to 54°F. Wind SSE 6-15 mph. Still water open, moving water open; a.m. clear, p.m. clear. Twenty-four observers in 8 parties, plus 5 at feeders. Total party-hours 61 (38 on foot, 23 by car), plus 10 hours at feeders and 2 hours owling. Total party-miles 392 (40 on foot, 352 by car), plus 8 miles owling. Total 94 species; 39,649 individuals.

James Barnes, Pat Beckemeyer, Roy Beckemeyer, Walker Butin, Wallace Champeny, John Clarke, Charles Cope, Carol Cumberland, Duane Delong, Rick Goodrick, Chet Gresham, Bob Gress, Kevin Groeneweg, Pete Janzen (compiler-3137 Mascot, Wichita, KS 67204-0182), Dan Kilby, Patty Marlett, Jim Mason, Rosa McHenry, Dale Randall, Ben Rogers, Patricia Stanley, Eddie Stegall, Savilla Stegall, Don Vannoy.

Wilson Reservoir. 38°56'N 98°34'W. Center as described in 1994. 14 December 2002; 7:15 a.m. to 5:30 p.m.; 24°F to 63°F. Wind SW 5-15 mph. Still water open, moving water open; a.m. clear, p.m. clear. Ten observers in 5 parties. Total party-hours 38 (12 on foot, 22 by car), plus 4 hours by boat. Total party-miles 361 (9 on foot, 344 by car), plus 8 miles by boat. Total 81 species; 12,188 individuals.

Charles Anderson, Henry Armknecht, Gary Eichman, Larry Hower, Greg Nichols, Ryan Nichols, Ben Nondorf, 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 2000. 11 January 2003; 8:00 a.m. to 3:00 p.m.; 19°F to 36°F. Wind SE 5-10 mph. Still water frozen, moving water open; a.m. clear, p.m. clear. Seventeen observers in 6 parties. Total party-hours 30 (5.5 on foot, 24.5 by car). Total party-miles 182 (9.5 on foot, 172.5 by car). Total 65 species; 18,466 individuals.

Mary Clark (compiler-Dillon Nature Center, 3002 E 30th, Hutchinson, KS 67502), Bill Davis, Kristine Davis, Dan Dyck, Jennifer Dyck, Linda Dyck, Rick Goodrick, Sherry Hayes, Aletha Kinser, Steve Kinser, Kerrie Kirkpatrick, Jay Miller, Verna Miller, Sarah Parsons, Ann Regier, Jim Smith.

¹ *Biology Department, Baker University, PO Box 65, Baldwin City, KS 66006.*

Species	Alma	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Canyon Lands	Cedar Bluff	Cheyenne Bottoms	Cimarron Grassland	Dodge City	Doniphan County	El Dorado Lake
Pacific Loon														
Common Loon														
Pied-billed Grebe	1		1			2			1					
Eared Grebe														
Western Grebe														
Clark's Grebe														
Am. White Pelican										3				
Double-crested Cormorant														3
Great Blue Heron	cw	2	2			3			5	25		6		2
Turkey Vulture														
Gr. White-fronted Goose			cw						1	1184				9
Snow Goose, White form	cw		4		12	2			60	15200			4800	
Blue Form			1		5	1			5				3200	
Ross' Goose									2				5	
Canada Goose	57	515	1483	105	10	1910	149		3000	575	cw	1536		1130
Mute Swan														
Trumpeter Swan														
Tundra Swan														
goose sp.										50764				
Wood Duck										13		4		
Gadwall	9	17	70			70	1		10					47
Am. Wigeon		2							32	1		cw		
Am. Black Duck														
Mallard	143	126	144	13	58	1080			4000	1120	1	97	1	59
Blue-winged Teal														
N. Shoveler	10		5							1103				
N. Pintail						1			2			3		
Green-winged Teal						3			2	33		cw		
Canvasback												4		
Redhead									3	20		4		
Ring-necked Duck						18						cw		
Greater Scaup		1	20											
Lesser Scaup	2	2	100											
Long-tailed Duck						12			3					4
Bufflehead	cw		15			6			10	8		cw		
Common Goldeneye	11	5	46		31	79			150	30		cw	6	20
Hooded Merganser			1			9			32	13				1
Common Merganser						43				25			16	
Red-breasted Merganser	1													
Ruddy Duck	1													
duck sp.		7			250									
Bald Eagle	cw	24	1	1	13	8			30	4	1		6	1
N. Harrier	3	17	14	23	7	2			28	54	20	4	3	13
Sharp-shinned Hawk	cw	3	3	2	1	1			1	2	2			
Cooper's Hawk		1	1	2	2	1							1	1
N. Goshawk											2			
Accipiter sp.		1												
Red-shouldered Hawk														
Red-tailed Hawk	13	77	88	39	36	64	4		32	33	31	6	16	46
Harlan's	cw	2	2		3								1	1
Krider's														
Ferruginous Hawk								1			21	1		
Rough-legged Hawk	cw			4	2				11	8	9	2		7
Buteo sp.														
Golden Eagle	cw								1		2			
Am. Kestrel	1	15	26	31	8	16		2	32	11	21	10	3	4
Merlin	cw	1		4	1				1	3	3			1
Peregrine Falcon			1	1	1				2	3	5	1		1
Prairie Falcon		1	1	1	1									
Falco sp.														
Ring-necked Pheasant		1		4	5				5	14	44	2	1	1
Greater Prairie-Chicken				12	8				4					
Lesser Prairie-Chicken														
Wild Turkey	65	3	36	168	175	27	12		1	cw			40	75
Scaled Quail														
N. Bobwhite		10	16		3	1			15	15	81	cw		22
Virginia Rail														
Am. Coot					1				16					1
Sandhill Crane										4400				
Killdeer		4							1					
Greater Yellowlegs		cw												
Least Sandpiper														
Long-billed Dowitcher														
Wilson's Snipe														
Franklin's Gull										4				
Bonaparte's Gull														
Ring-billed Gull	2	12	4			88			10	829				56
Herring Gull	1	1			1				350	40				1
Thayer's Gull									2					
Glaucous Gull														
gull sp.										1				
Rock Dove	15	76	56	233	50	94	30		15	90	143	434	62	200
Eurasian Collared Dove		5			2						9		1	
Ringed Turtle Dove														
Mourning Dove	2	21	51	6	41	400	30				275	9		15
Inca Dove														
Greater Roadrunner														
Barn Owl											cw			
E. Screech-Owl	1	2	3	4	19	5	2		7		2		2	
Great Horned Owl	2	2	5	4	5	3							4	
Barred Owl		15	6		5	3	4	1	2	2	6		3	1
Long-eared Owl														
Short-eared Owl									6		5			
Rufous Hummingbird										cw				
Belted Kingfisher	1	2	1	1	3	5	1		1	1			2	2
Lewis's Woodpecker														
Red-headed Woodpecker			2			28	30						1	1
Red-bellied Woodpecker	23	61	66	24	53	47	24	1	7	8		cw	23	24

Species	Alma	Arkansas City	Baldwin	Black Wolf	Blue Rapids	Bonner Springs	Camp Naish	Canyon Lands	Cedar Bluff	Cheyenne Bottoms	Cimarron Grassland	Dodge City	Doniphan County	El Dorado Lake
Yellow-bellied Sapsucker			cw		3	3								1
Downy Woodpecker	7	30	48	21	32	57	22	4	13	4	8	1	35	24
Hairy Woodpecker	8	2	9	3	7	2	6		5		5		2	1
N. Flicker		27	22	36	41	4	9	1	38		5		4	20
Yellow-shafted	13	30	20	11	26	18	18		8	11	5	5	17	11
Red-shafted	cw	4		2	2	1			9	6	29			
Pileated Woodpecker		2	2										1	
Eastern Phoebe														
Loggerhead Shrike	cw	2	9		3	1			2	2	18			3
N. Shrike									1	1				
Steller's Jay													3	59
Blue Jay	14	28	69	7	89	183	26				1	11	3	9
W. Scrub-Jay											3	cw		
Pinyon Jay														
Clark's Nutcracker				7	5			1	16	2	21	9		
Black-billed Magpie														
Am. Crow	97	435	312	79	10804	383	17		30	17	cw	62	21	169
Chihuahuan Raven														
Horned Lark	cw	166	106	22	58	36		7	130	cw	3405	1277	3	4
Carolina Chickadee		135												
Black-capped Chickadee	17		126	69	94	118	67		21	11			28	46
Tufted Titmouse	17	42	57	1	42	72	62						26	35
Red-breasted Nuthatch			cw					2						
White-breasted Nuthatch	7	15	47	58	47	58	20		4	3	5	2	28	20
Brown Creeper	2	6	14	3	13	19							5	11
Rock Wren								2						
Carolina Wren	9	16	15	7	3	11	16						7	6
Bewick's Wren	cw	2												3
House Wren														
Winter Wren	2		1	1	cw		1		1					
Marsh Wren									3					
Golden-crowned Kinglet	9	22	7	18	43	4	9	2	10	10	cw		5	31
Ruby-crowned Kinglet		7	1			1			1		1			4
E. Bluebird	16	96	124	79	119	47	9	5	3		1		13	15
Mountain Bluebird				113					103	24				
Townsend's Solitaire									2		8			
Hermit Thrush				1	3	1	1							
Am. Robin	11	1115	218	3910	505	8	3		175	8	205	1	31	31
Gray Catbird					cw	1	16	1						2
N. Mockingbird		27	3											
Brown Thrasher								1						
Curve-billed Thrasher														
European Starling	235	1000000	3589	382	6174	1235		20	700	475	249	7723	190	828
American Pipit														
Cedar Waxwing	1	127	248	460	311	50	35		80		109	15	80	
Orange-crowned Warbler					1	13	3				1			
Yellow-rumped Warbler		5	5											
Spotted Towhee		12	1		4	1			1	1	2			
E. Towhee														1
Am. Tree Sparrow	137	165	97	980	326	222		22	690	260	615	20	65	270
Chipping Sparrow														
Clay-colored Sparrow														
Field Sparrow	1	5	1								5			
Vesper Sparrow											4			
Lark Sparrow														
Lark Bunting														
Savannah Sparrow		2			5						cw			
LeConte's Sparrow														
Fox Sparrow		4			1	1	1							
Song Sparrow	9	58	26	4	13		18	2	13	8	72		7	4
Lincoln's Sparrow		4			2						3			
Swamp Sparrow		6	1			2	4				2			
White-throated Sparrow		20	36		16	28				cw			2	5
Harris' Sparrow	19	795	91	259	172	53			64	32	2	51	16	191
White-crowned Sparrow		32	12		25	2					742	11	2	
Dark-eyed Junco	208	166	243			190	166	30	100	20	253		180	269
White-winged								16						
Slate-colored		363	51	375	341	226		16	55	297	140	34		
Oregon		3		5				12	3	1	259			
Pink-sided	6							14			31			
Gray-headed											1			
McCown's Longspur														
Lapland Longspur				735				10	90	25	2940	572		240
Smith's Longspur									1					
Chestnut-collared Longspur				1							20			
Snow Bunting				6										
N. Cardinal	21	208	225	58	142	206	32		11	10	2	4	122	105
Red-winged Blackbird	6	2000000	3283	1185	287	21			725	222	11732	2147	1	2009
E. Meadowlark	1	37	56	37	1	2				2				
W. Meadowlark		4		393		50			120	6	1680	163		
<i>Sturnella</i> sp.		562	103	92	154	45				51				121
Yellow-headed Blackbird														
Rusty Blackbird		110		3					1					
Brewer's Blackbird		10000		50										
Common Grackle		100000			1					1	4	236		
Great-tailed Grackle		11								3	2	194		
Brown-headed Cowbird		100000	14	100	55	5			24		102			100
blackbird sp.				50							27000			980
Purple Finch					6									
House Finch	6	11	5	42	15	26			24	14	226	15		12
Common Redpoll											1			
Pine Siskin					2						11			
Am. Goldfinch	25	79	151	197	89	75	33	2	10	24	16	27	22	46
Evening Grosbeak														
House Sparrow	4	230	464	238	332	270	35		50	95	1261	639	140	62
Total	1272	3216262	12187	10781	21226	7798	901	174	11235	77290	51927	15338	9311	7439
Species	48	76	68	57	68	69	35	19	75	64	67	40	50	65

Species	Emporia	Garden City	Halstead-Newton	Hays	Ingalls/Cimarron	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin	Lakin	Lawrence	Leav. Atchison	Liberal Seward Co.
Pacific Loon														
Common Loon														
Pied-billed Grebe		1	1				3	6				1		
Eared Grebe								1				1		
Western Grebe														
Clark's Grebe														
Am. White Pelican							44		1			11		
Double-crested Cormorant							113	1				31		
Great Blue Heron	1	5	4	3	3		77	47	5		2	14		3
Turkey Vulture														
Gr. White-fronted Goose							31		25					1
Snow Goose, White form	152						7000	25		1	7002	10	2100	5500
Blue Form							4075					2	700	2000
Ross' Goose													10	30
Canada Goose	1930	630	902	163	340		1820	826	209	9853	651	1665	180	7530
Mute Swan														
Trumpeter Swan														
Tundra Swan							1							
goose sp.														
Wood Duck		15			1		7	2						8
Gadwall	23	3	6				73	114	4			61	2	2
Am. Wigeon	2	47	5	2			36	5		10				277
Am. Black Duck														
Mallard	148	2759	262	58	214		2038	1151	48	10782	173	1875	200	45250
Blue-winged Teal	5													
N. Shoveler		11					45						2	
N. Pintail		36						1	2					56
Green-winged Teal		15	3	2	2			36	13	30		58	6	202
Canvasback		1					1	3						7
Redhead		3						2						1
Ring-necked Duck		17	2				38							
Greater Scaup														
Lesser Scaup	5						12			250		5		22
Long-tailed Duck								1						
Bufflehead			1				58	17	2			7		
Common Goldeneye	7	2					29	148	450	27		50	17	4
Hooded Merganser		6					26	36		3		37		
Common Merganser	1	40					350	8000	1100	3000		990		
Red-breasted Merganser								18						
Ruddy Duck		1												
duck sp.														
Bald Eagle	1		1				12	51	4	10		31	38	
N. Harrier	28	13	14	8	6	1	15	12	18	6	20	17	1	20
Sharp-shinned Hawk	3	7	2	2	1		3	1	1	2		11	1	
Cooper's Hawk	1	1	2	1	1	1	2		1			5	2	1
N. Goshawk														
Accipiter sp.							1					1		
Red-shouldered Hawk														
Red-tailed Hawk	45	27	67	32	17	2	30	78	46	23	23	138	12	15
Harlan's		1	4		1			2			2	4		
Krider's														
Ferruginous Hawk		7			2	1			1		1			8
Rough-legged Hawk	9	7	2	10	9		1	3	5	1	5	1		5
Buteo sp.		1	6		2	4					5			
Golden Eagle														
Am. Kestrel	10	8	22	23	10	7	10	13	19	9	20	41	6	10
Merlin		1	2		1			1	1		3			
Peregrine Falcon														
Prairie Falcon		1	3	1	4	2					2			2
Falco sp.														
Ring-necked Pheasant	1	7	17	45	4	3			6	19	1		6	22
Greater Prairie-Chicken														
Lesser Prairie-Chicken	3													
Wild Turkey			423				68	61		350		104		
Scaled Quail		1												
N. Bobwhite	15	35	32	3		8	75	4		8		9		
Virginia Rail				6										
Am. Coot		4												
Sandhill Crane													1	
Killdeer														
Greater Yellowlegs							14	11				11	1	9
Least Sandpiper							1							
Long-billed Dowitcher														
Wilson's Snipe				3										
Franklin's Gull								3						
Bonaparte's Gull														
Ring-billed Gull	74						30	3				1		
Herring Gull							1050	127	815	27		4150	3	25
Thayer's Gull							1	7	40			38		4
Glaucous Gull														
gull sp.														
Rock Dove	53	593	139	139	21	2	111	32	162		31	727	64	250
Eurasian Collared Dove		36			22						15	3		
Ringed Turtle Dove														
Mourning Dove	52	29	106	58			13	14	29		6	226	2	47
Inca Dove											1			
Greater Roadrunner														
Barn Owl		3												
E. Screech-Owl	1	9		1			2	1	3			6	3	
Great Horned Owl	6		6	4	3		3	7	3		1	16	1	
Barred Owl	4						7	8	1			18	1	
Long-eared Owl	10		4					22				2		
Short-eared Owl	1	1												
Rufous Hummingbird														
Belted Kingfisher	3	1	2	1	1			3	1			8	1	
Lewis's Woodpecker														
Red-headed Woodpecker	2						5					4	2	
Red-bellied Woodpecker	35	11	80	7	3		19	81	43	21		127	11	

Species	Emporia	Garden City	Halstead-Newton	Hays	Ingalls/Cimarron	Jetmore	John Redmond	Junction City	Kanopolis	Kirwin	Lakin	Lawrence	Leav. Atchison	Liberal Seward Co.
Yellow-bellied Sapsucker			1				1	3				4	1	
Downy Woodpecker	12	30	55	12	12	3	25	32	22	8	4	127	12	1
Hairy Woodpecker	3	5	9	12	3		1	15	2	1	2	26		
N. Flicker	34	21	36	2	1		8	27	24		3	44	2	2
Yellow-shafted	31	4	45	21	2		19	68	15	3	4	119	4	
Red-shafted	3	26	18	11	2	1		6	4	1	12	4		
Pileated Woodpecker							1					2		
Eastern Phoebe														
Loggerhead Shrike	4		2	4	1		1	1	4	2		2		1
N. Shrike		1		1						1				1
Steller's Jay														1
Blue Jay	72	46	76	5	24		44	44	6	4	21	183	25	
W. Scrub-Jay		4												
Pinyon Jay														
Clark's Nutcracker		78		14	14				3	22	14			2
Black-billed Magpie		29	353	34	4	38	500	976	98	23	395	551	70	51
Am. Crow	93													1
Chihuahuan Raven														
Horned Lark	31	71	12911	557	301	433	158	20	120	942	459	44	1	4500
Carolina Chickadee														
Black-capped Chickadee	46	cw	160	78		2	58	138	109	70		433	31	
Tufted Titmouse	25		39				43	47	10			182	13	
Red-breasted Nuthatch	1	19	1	3				2				8		
White-breasted Nuthatch	10	14	25	14	1		27	45	26	16		104	13	1
Brown Creeper	5	1	3	1			8	9	2	1		52	1	
Rock Wren														
Carolina Wren	4	1	25	1			3	31	3			47	4	
Bewick's Wren	1							1						
House Wren														
Winter Wren	3		3	1			1	2	4			3	1	
Marsh Wren				2							2			
Golden-crowned Kinglet	25	7	42	7			8	96	28			46	4	
Ruby-crowned Kinglet	2		2				2	1				4		
E. Bluebird	19		39	13			31	154	83	10		217	4	6
Mountain Bluebird			2						14					
Townsend's Solitaire					1						1			
Hermit Thrush		1	1					3				4		
Am. Robin	115	111	668	376	28	5	170	4014	4282	37	19	990	2	6
Gray Catbird														
N. Mockingbird	2	2	12	2			4	1				9		
Brown Thrasher														
Curve-billed Thrasher														
European Starling	1313	793	1107	3294	341	256	720	928	492	1382	238	3725	425	750
American Pipit														1
Cedar Waxwing	74	35	191	23	22		65	822	90		5	368		25
Orange-crowned Warbler			5				1	12	1			14	2	
Yellow-rumped Warbler			5				4	6	13			1		
Spotted Towhee		1	5				3		1					
E. Towhee														
Am. Tree Sparrow	94	60	701	193	44	40	240	417	1329	388	24	183	13	50
Chipping Sparrow														
Clay-colored Sparrow														
Field Sparrow	4	13	1						7	135				
Vesper Sparrow														
Lark Sparrow														
Lark Bunting														
Savannah Sparrow			3					4						
LeConte's Sparrow	1		1											
Fox Sparrow	8			1				3				3	1	
Song Sparrow	41	5	93	6	3		17	33	25	70	3	271	33	11
Lincoln's Sparrow								2				3		
Swamp Sparrow	5		1	1			1	1	1			177	8	1
White-throated Sparrow			4				23	cw				16	10	
Harris' Sparrow	37	18	917	33	19		15	170	403	1		70	9	
White-crowned Sparrow	1	244	27		68	1	2	3			23	9		65
Dark-eyed Junco		276		54	7		255			14	20	389	30	34
White-winged					1									
Slate-colored	57	91	521	173	47		27	609	585		20	302	54	
Oregon		48	5	31	30			2	13		9	2		
Pink-sided									1					
Gray-headed											1			
McCown's Longspur														
Lapland Longspur		2	1780	118	5958	94		4011	235	51	3	105		860
Smith's Longspur	138													4
Chestnut-collared Longspur														
Snow Bunting														
N. Cardinal	63	7	174	14	6	1	70	119	82	13		414		2
Red-winged Blackbird	468	130	3788	1873	77	182	81	3263	1064	1	2463	1620	100	301500
E. Meadowlark	99		11				10	4				8		
W. Meadowlark		93	33	171	71	59		158	44		94	25		55
Stumella sp.			687					141	78	47		142		
Yellow-headed Blackbird														
Rusty Blackbird			91											
Brewer's Blackbird			150					1	2112			1		
Common Grackle	7	78	38			1		4			117	2	10	
Great-tailed Grackle		284											1000	2500
Brown-headed Cowbird	58		21					130	212		21	3	50	50
blackbird sp.									75					
Purple Finch		cw						12						
House Finch	7	383	107	15	66	4	47	70	60	124	45	120	4	55
Common Redpoll														
Pine Siskin													12	
Am. Goldfinch	26	53	120	28	17	1	32	122	93	90	7	194	6	25
Evening Grosbeak														
House Sparrow	110	1523	373	98	529	50	30	200	264	178	590	810	70	222
Total	5784	9005	27602	7869	8368	1200	19998	28035	15079	28229	12603	22720	5385	372094
Species	72	74	74	57	45	25	80	88	69	48	44	88	56	58

Species	Linn County	Manhattan	Meade	Olathe	Old Garfield	Olsburg	Oskaloosa Perry Lake	Parsons	Pomona	Quivira	Red Hills	Salina	Sawyer	Scott Lake
Pacific Loon														
Common Loon		1												
Pied-billed Grebe	7	1					cw							
Eared Grebe							1	1			3			
Western Grebe							2							
Clark's Grebe		2												
Am. White Pelican		2					1	10		10				
Double-crested Cormorant	6	cw					cw					1		
Great Blue Heron	10	49		3		1	14	4	1	11	4		7	2
Turkey Vulture														
Gr. White-fronted Goose		6	15							165550	108		3735	
Snow Goose, White form	600	15632	21			5	344	200		380000	208	15	3213	
Blue Form	100	1625					50	111		20000	32		601	
Ross' Goose		2	1				1			200	5		4	
Canada Goose	3792	4895	3200	2472	1	326	2413	709	500	351290	2279	720	5885	187
Mute Swan														
Trumpeter Swan														
Tundra Swan														
goose sp.										5				
Wood Duck		4												
Gadwall	389	148		26			184	5		2	15	14		6
Am. Wigeon	5	8					5	2		37	37	6		45
Am. Black Duck										12				
Mallard	2462	5542	162	401	57	506	5171	531	110	5708	423	125	34	825
Blue-winged Teal		11									cw			
N. Shoveler	35	15	15	4			128	22		96				
N. Pintail	7								1	56				3
Green-winged Teal	10	30		2			21			170				4
Canvasback							1			19				
Redhead		15					4			37				
Ring-necked Duck		8				12	16			20	15			2
Greater Scaup	235							11						
Lesser Scaup	12	6					28	5		34	1			
Long-tailed Duck														
Bufflehead	2	22					10			67		1		
Common Goldeneye	27	36	1	1		6	199	15	4	65		3		
Hooded Merganser	43	113					13	5		3		1	1	
Common Merganser	5	3490	2			11	162		20	49				
Red-breasted Merganser		cw								4				
Ruddy Duck		cw						27		9				
duck sp.														
Bald Eagle	3	75		8		2	3	8	2	87	2	125		
N. Harrier	24	25	1	3	22	9	13	21	5	51	21	3	14	11
Sharp-shinned Hawk	4	15	1	1	1		1	2		14	1			4
Cooper's Hawk	2	9					1			7	3	1	4	1
N. Goshawk	1								1		1			
Accipiter sp.						1								
Red-shouldered Hawk	3													
Red-tailed Hawk	131	117	5	31	5	49	100	66	23	81	65	38	48	5
Harlan's	2	6			8	3				1	1			1
Krider's		2				1								
Ferruginous Hawk			1		1					2	1			
Rough-legged Hawk	2	2	1		9	2	1			5	1		4	1
Buteo sp.		4												
Golden Eagle												1		1
Am. Kestrel	21	13	11	14	4	12	20	14	12	33	22	47	14	4
Merlin		2			4					6	1			1
Peregrine Falcon									2	1				
Prairie Falcon						1	1						3	2
Falco sp.		1												
Ring-necked Pheasant		3	cw			1	1					9	7	9
Greater Prairie-Chicken		14				23						cw		
Lesser Prairie-Chicken														
Wild Turkey	26	595	20			404	4			160		16	26	
Scaled Quail														
N. Bobwhite		62	4			16	8		1	18	145	17	32	
Virginia Rail											3			
Am. Coot	35	22		11				66		25				3
Sandhill Crane		200								15				
Killdeer	11	8					9				3			
Greater Yellowlegs							1							
Least Sandpiper														
Long-billed Dowitcher														
Wilson's Snipe		2								1	5		2	
Franklin's Gull														
Bonaparte's Gull	14						42			1				
Ring-billed Gull	276	1080		14			626		144	49	1	151		
Herring Gull		2					22		10					
Thayer's Gull														
Glaucous Gull														
gull sp.														
Rock Dove	55	407			27		19	28			8	235	14	39
Eurasian Collared Dove												298		14
Ringed Turtle Dove														2
Mourning Dove	8	215	62	104			45	40			118	69	43	
Inca Dove			1											
Greater Roadrunner														
Barn Owl											1			
E. Screech-Owl	4	4		3			7			3	2		1	
Great Horned Owl	25	9	1	12			15	1		5		1	2	3
Barred Owl	12	11		3			19				5			
Long-eared Owl														
Short-eared Owl	2									23				
Rufous Hummingbird														
Belted Kingfisher	7	15	1	3			3	2		1	4	cw		
Lewis's Woodpecker														
Red-headed Woodpecker	3	2					10							1
Red-bellied Woodpecker	126	205					88		1	23	45	21	36	4

