

Spring 2002 North American Migration Count in South Carolina

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The Spring 2002 North American Migration Count (NAMC) was held on 11 May 2002. The reporters for this NAMC tallied 31,951 individuals of 197 species. One hundred forty five participants comprising 94 parties surveyed 18 counties of South Carolina. For the second year in a row, the weather for the Spring NAMC was rainy in some counties. Many reporters in the Piedmont and the Midlands encountered heavy rains throughout the day, including pre-dawn thunderstorms in some areas. Comparing the Spring 2001 and the Spring 2002 counts shows that the 2002 count had two more counties reporting but 20 fewer participants and 29 fewer parties. For the 2002 count, 23 species of warblers were found in the state compared to 25 species found in the spring of 2001. The 2002 count did not find Chestnut-sided Warbler, Cape May Warbler, Bay-breasted Warbler, or Wilson's Warbler, all of which were found on the 2001 count. However, Palm Warbler and Northern Waterthrush were found in 2002. These two species were last reported on a Spring count in 2000.

Also interesting are comparisons of the number of individuals of warbler species that are widespread in South Carolina. The Breeding Bird Survey (BBS) data give a trend estimate for the period 1992-2002 for the state of South Carolina, and are taken from the national Breeding Bird Surveys conducted and coordinated by the United States Geological Service.

	2000	2001	2002	% Change from 2000 to 2002	BBS 1992- 2002 Trend Estimate
Northern Parula	230	309	254	+10.43	-5.60
Yellow-throated Warbler	129	132	102	-20.93	-2.81
Pine Warbler	292	326	329	+12.67	+2.15
Prairie Warbler	49	65	47	-4.25	+0.78
Common Yellowthroat	219	180	238	+8.68	-2.74

As stated in past years, because the collection of data for NAMC lacks scientific rigor and has no established protocols, the conclusions to be drawn from these numbers are limited. Nonetheless, it is interesting to note that NAMC data agree with BBS trends for two species, Yellow-throated Warbler and Pine Warbler, and have only an insignificant difference due to a

small sample size for a third species, Prairie Warbler. The two species for which NAMC data do not correlate with BBS data show wide swings in numbers from year to year. With a longer time frame for the NAMC sample, it will be interesting to see if those two species eventually bear out the trends of the BBS data.

Among the species for which an increase in numbers and an expansion of distribution is almost certain is Eurasian Collared-Dove. Twenty individuals from six counties were reported this spring, in contrast to 19 individuals from four counties reported for the last spring count. The six counties reporting Eurasian Collared-Dove were: Aiken, Beaufort, Charleston, Colleton, Georgetown, and Lexington. While the increase in numbers is modest, the additional two counties reporting the species (Aiken and Beaufort) illustrate the continuing range expansion of the species. Because Common Ground-Dove has been declining in numbers recently, it is something of a surprise to find the species among those with an increase in reported numbers this spring. Four counties, tallying nine individuals, reported Common Ground-Dove, up from one county and three individuals last spring. Beaufort, Charleston, Georgetown, and Hampton reported Common Ground-Dove this spring, while only Dorchester reported the species in spring of 2001.

Among the widespread species reported from every county were Blue Jay, American Crow, Carolina Chickadee, Northern Mockingbird, and Northern Cardinal. Northern Cardinal was the most numerous of the widespread species, followed by Northern Mockingbird as the second most numerous species.

Among the highlights of the Spring 2002 NAMC are three Snow Geese found in Oconee County; a White-rumped Sandpiper found in Georgetown County; five Pine Siskins found in Lexington County; and a Baltimore Oriole found in Spartanburg County. Thirty-one species were "exclusives", found only in one county. The exclusives are distributed as follows:

Aiken	2
Charleston	12
Cherokee	2
Colleton	2
Georgetown	1
Greenville	1
Lexington	1
Oconee	5
Richland	1
Spartanburg	3
Union	1

County Summaries

Aiken County (AIKE): 114 species, 2872 individuals.

Coordinator: Anne Waters
1621 Apple Valley Drive
Augusta, GA 30906
706-793-2788

Participants: Dori Brenneman, Ron Brenneman, Lee Dane, Larry Eldridge, Judy Gregory, Christine Huzella, Ally Riddle, Alice Walker, Doug Walker, Vernon Waters, Calvin Zippler

Aiken County reported the highest number of one of South Carolina's "specialty" birds—Bachman's Sparrow—as well as good numbers of other species also associated with "Longleaf Pine savannah" habitat—Pine Warbler and Brown-headed Nuthatch. Aiken was the only county reporting Blue-winged Warbler and Swamp Sparrow and was also one of two counties reporting Hooded Merganser, a possible winter holdover or maybe even a breeding bird.

Beaufort County (BEAU): 87 species, 1094 individuals.

Coordinator: Dennis M. Forsythe
748 Swanson Avenue
James Island, SC 29412
843-795-3996

Participants: Pat Keller, Tara Mettles, Judy Rigg, Bob Taylor

Beaufort County reported good numbers of a variety of shorebirds including Black-bellied Plover, Whimbrel, Semipalmated Sandpiper, and both Caspian and Forster's Tern. Beaufort was also one of only four counties reporting Common Ground-Dove.

Calhoun County (CALH): 82 species, 603 individuals.

Coordinator: Tim Kalbach
104 Catawba Circle
Columbia, SC 29201
803-254-5187

Participants: Nancy Lyman, Gary Sowell

Calhoun County reported several migrants, including Bobolink, Blackpoll Warbler, and Scarlet Tanager. Among the breeding species and possible breeding species, Calhoun County reported good numbers of Osprey and high numbers of American Redstart.

Charleston County (CHAR): 152 species, 11,524 individuals.

Coordinator: Perry Nugent
2260 Dallerton Circle
Charleston, SC 29414
843-556-3841

Participants: Craig Watson, Andy Harrison, Danny Carlson, Van Atkins, Jim Brownlee, Giff Beaton, Ben Smith, Sue Ann Russell, Allen Russell, Charles Walters, Lanney Ayers, Edward Conradi, Linda Zinnikas, Marcia Hider, Peg

Clark, Tori Langen, Mariland Kord, Joan Hylander, Ann Kent, Martha Stevenot, Joe Stevenot, Mrs. M. A. Aldenderfer, Paul Aldenderfer

Charleston was one of only two counties reporting Least Bittern, Mottled Duck, Blue-winged Teal, Wilson's Plover, Red Knot, Western Sandpiper, Gull-billed Tern, Black Skimmer, and Red-cockaded Woodpecker. Species exclusive to Charleston County were Glossy Ibis, American Black Duck, Swallow-tailed Kite, Northern Harrier, King Rail, American Oystercatcher, Marbled Godwit, Common Tern, Black-billed Cuckoo, Barn Owl, Willow Flycatcher, and Ruby-crowned Kinglet. Charleston also reported the highest numbers of many species of waders, including both species of Night-Heron and White Ibis.

Cherokee County (CHER): 78 species, 933 individuals.

Coordinator: Lyle Campbell
126 Greengate Lane
Spartanburg, SC 29307
864-585-1228

Participants: Travis Childers, Claude Cobb, Ken Garrett, J. B. Hines, Karla Lavender, Scott Lavender, Maxi Nix, Dee Gee Parker, Tina Pearsall, Alan Rose, Ed Wilde

Cherokee County reported two nice-to-find migrant warbler species, Northern Waterthrush and Blackpoll Warbler. Cherokee County was also one of two places reporting more Blue Grosbeaks than Indigo Buntings and was the only county reporting Olive-sided Flycatcher and Veery.

Colleton County (COLL): 103 species, 2498 individuals.

Coordinator: Sharon Brown
P. O. Box 327
Adams Run, SC 29426
843-889-8299

Participants: Liz Smylie

The two species exclusive to Colleton County were Caspian Tern and Marsh Wren. Also found were excellent numbers of Whimbrel and Least Sandpipers.

Dorchester County (DORC): 80 species, 829 individuals.

Coordinator: Dennis Forsythe
748 Swanson Avenue
James Island, SC 29412
843-798-3996

Participants: Donna Forsythe, Ann Shahid, Jean Wattley, Mike Dawson, Jack Gerstner

Dorchester County reported several bona fide migrant warbler species including Yellow Warbler, Black-throated Blue Warbler, and a lingering Yellow-rumped Warbler, as well as excellent numbers of the more expected Northern Parula and Prothonotary Warbler.

Fairfield County (FAIR): 77 species, 535 individuals.

Coordinator: Donna Slyce
321 Hope Ferry Road
Lexington, SC 29072
803-951-7122

Participants: Leah Campbell, Cary Taylor, Susan Taylor

Working under the disadvantage of heavy rain throughout the day, Fairfield County was one of only two counties reporting Blue-headed Vireos. Fairfield also reported the state high number for Prairie Warblers.

Georgetown County (GEOR): 97 species, 1532 individuals.

Coordinator: Jack Peachey
103 Walnut Circle
Conway, SC 29520
843-347-5810

Participants: Dave Gustafson, Charles Heacock, Carl Rogers

White-rumped Sandpiper was an excellent find in Georgetown County and exclusive for the state. Georgetown County also reported good numbers of Semipalmated Plovers and Semipalmated Sandpipers.

Greenville County (GREE): 86 species, 1100 individuals.

Coordinator: Peter L. Worthington
716 North Almond Drive
Simpsonville, SC 29681
864-967-4183

Participants: Len Kopka, Pres Davies, Don Pierce, Linda Sharp

Common Raven was exclusive to Greenville County. It is not an easy species to find in South Carolina and not always reported on statewide tallies. Greenville County was also one of two of the “mountain” counties reporting Black-throated Green Warbler, a local breeder in that part of the state.

Hampton County (HAMP): 76 species, 1055 individuals.

Coordinator: Carroll Richard
P.O. Box 893
Hampton, SC 29924
803-943-4661

Participants: Kathleen O’Grady, J.C. Raymond

Hampton County reported far and away the highest total of Bald Eagles in the state, with an astounding 30 individuals. This tally bests even Hampton County’s tally of 20 Bald Eagles last spring.

Lexington County (LEXI): 75 species, 1225 individuals.

Coordinator: Molly Bonnell
202 Cannon Trail Road
Lexington, SC 29072
803-359-6280

Participants: Andrea Ceselski, Jerry Griggs

Also working under a handicap of heavy early morning and mid-day rain, Lexington County reported one exclusive: five lingering Pine Siskins. Lexington County also reported a nice warbler species, a migrant through the Midlands, Black-throated Blue Warbler.

Oconee County (OCON): 97 species, 1866 individuals.

Coordinator: Steve Wagner
316 East Creswell Avenue
Greenwood, SC 29646
864-223-0416

Participants: Don Cox, Steve Cox, Vicki Cox, Jenny Harris, Phyllis LeMay, Chris Welch

Oconee County reported a new extreme late date for Snow Goose. The birds, well described in supporting documentation, were more than two weeks beyond the previous statewide late date of 26 April as published in Post and Gauthreaux's *Status and Distribution* and not revised in Post and McNair's *Supplement*. Oconee County also reported two other exclusives associated with water and marsh, Red-breasted Merganser and Virginia Rail. Given that Oconee is considered one of the "mountain" counties, the other two exclusives for the county—Magnolia Warbler and Cooper's Hawk—could almost be expected; certainly more expected than a rail species.

Richland County (RICH): 73 species, 735 individuals.

Coordinator: Robin Carter
4165 E. Buchanan Drive
Columbia, SC 29206
803-788-8820

Participants: Steve Dennis, Caroline Eastman, Alice Steinke.

A lingering Savannah Sparrow was exclusive to Richland County. Richland County also reported two nice-to-find migrant species, Northern Waterthrush and Black-throated Blue Warbler, and a nice-to-find year-round resident, Eastern Screech-Owl.

Spartanburg County (SPAR): 91 species, 2694 individuals.

Coordinator: Lyle Campbell
126 Greengate Lane
Spartanburg, SC 29307
864-585-1228

Participants: Laura Bannon, John Barry, Anna Bennett, Daniel Bennett, Susan Bennett, Anna Brown, Tim Brown, Pat Burton, Sarah Campbell, Dan Codispoti, Matthew Coleman, Teresa Coleman, Tom Moore Craig, Linda Deahl, Glenn Englehardt, Roy Fowler, Pat Fowler, Ron Gahagan, Onoosh Gahagan, Teresa Glen, John Green, Catherine Griffith, Lauren Griffith, Bennett Grizzard, Conway Henderson, Jessie Ivy, Marvin Jackson, Connie Jenne, Ron Jenne, Herb Kay, Micky Marotte, Mary Ann Myers, Angela Miller, Mike Miller, Jim Miller, Margaret Miller, Bill Moody, Nancy Owens, Ken Pearson, Lisa Pearson, Bob Powell, Sandra Powell, Ginny

Scott, Walton Scott, Mac Shealy, Laurel Sullivan, James West, Dan Wooten, Nancy Wooten

Spartanburg's three exclusive species were Yellow-bellied Sapsucker, White-throated Sparrow, and Baltimore Oriole. While the Baltimore Oriole was most likely a migrant, the other two species were apparently lingering overwintering birds. Spartanburg also reported an "unusual for the inland location" Snowy Egret.

Sumter County (SUMT): 50 species, 703 individuals.

Coordinator: Lloyd Moon
6150 Brookland Road
Sumter, SC 29154
803-494-3234

Participants: Lloyd Moon

Working as a one-man count and hampered by rain, Sumter County nonetheless reported an excellent find: two Least terns, apparently individuals from a breeding colony at Shaw AFB.

Union County (UNIO): 19 species, 78 individuals.

Coordinator: Baxter Cody
408 West Main Street
Union, SC 29379
864-427-6826

Participants: Baxter Cody

Another one-man count, this count was essentially a feeder watch. Among the nice yard birds found in Union County were Song Sparrows, Gray Catbird, and Sharp-shinned Hawk, an exclusive for Union County.

York County (YORK): 28 species, 75 individuals.

Coordinator: David Collopy
505 North Confederate
York, SC 29730
803-327-8342

Participants: David Collopy

In another one-man count, the reporter for York County trying to work on foot was forced to surrender in the face of early morning torrents of rain. Despite the rain-shortened count, York reported some nice to find birds, including Grasshopper Sparrow and Barred Owl.

North American Migration Count in South Carolina 11 May 2002

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Pied-billed Grebe	3			3					2	1									9	4
Brown Pelican		3		98		17			19										137	4
Double-crested Cormorant	2	15	3	123	2	37	3		17		10	1	1	1	20	1			236	14
Anhinga	3	9	2	118		7	4				1					6			150	8
Least Bittern				9		1													10	2
Great Blue Heron	9	5	5	62	2	20	25	3	4	1	16	5	24	1	7	9			198	16
Great Egret	5	70	4	1032		74	16	6	20		11		2			5			1245	11
Snowy Egret		43		331		79	12		9						1				475	6
Little Blue Heron	1	13		102		8	2		3		10								139	7
Tricolored Heron		14		54		14			1										83	4
Cattle Egret	40	20		38		4	22				59								183	6
Green Heron	11	6	1	39	2	19		2	2			2	2		4	2			92	12
Black-crowned Night-Heron		6		39		2													47	3
Yellow-crowned Night-Heron	1			19			1		1						2				24	5
White Ibis		34		63			8												105	3
Glossy Ibis				3															3	1
Wood Stork		1		81		26	1		1		1								111	6
Black Vulture	29	4	8	18	14	3	15	7		6	20	2	29	1	31				187	14

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Turkey Vulture	31	15	10	64	1	19	33	8	21	18	57	10	42	1	5	6			341	16
Snow Goose													3						3	1
Canada Goose	65	2	4	9	24	6	9	1	8	33		12	53	10	123	40			399	15
Wood Duck	13			51	1	11			1		9	15	3		7	2			113	10
American Black Duck				2															2	1
Mallard	12		2	18	3		4		10	20	10	5	8	4	45	51			192	13
Mottled Duck				10		2													12	2
Blue-winged Teal				2		1													3	2
Hooded Merganser	2										1								3	2
Red-breasted Merganser													1						1	1
Osprey	1	5	6	13		3		3	2			1			1				35	9
Swallow-tailed Kite				2															2	1
Mississippi Kite	11		4	26		3					3			1					48	6
Bald Eagle	2			7					1		30								40	4
Northern Harrier				1															1	1
Sharp-shinned Hawk																	1		1	1
Cooper's Hawk													1						1	1
Accipiter, sp				1															1	1
Red-shouldered Hawk	3		2	4	2	4	2	2		1	1	1	2	2	4				30	13

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Broad-winged Hawk	1		1							1			4						7	4
Red-tailed Hawk	5	2	3	8	4		1	4	2	3	3	5			16				56	12
Wild Turkey	8		1	13	5		2	3	2		1				11				46	9
Northern Bobwhite	5			11	4		1	1	1	3	5		6		11				48	10
Clapper Rail				36		2	2		2										42	4
King Rail				4															4	1
Virginia Rail													1						1	1
Common Moorhen		5		59		15			2		15								96	5
American Coot				3					1		2								6	3
Black-bellied Plover		31		39		1													71	3
Wilson's Plover				6		2													8	2
Semipalmated Plover		40	3	310		72			74										499	5
Killdeer	8		2	37	6	1		1	9	2	2		11	1	13	4			97	13
American Oystercatcher				8															8	1
Black-necked Stilt				59		5			3										67	3
Greater Yellowlegs	1	3		107															111	3
Lesser Yellowlegs	1	1		20					5										27	4
Yellowlegs, sp						3							2						5	2
Solitary Sandpiper	1		3	3															7	3
Willet		2		16		6			1										25	4

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Spotted Sandpiper	10		1	15	13	2	2						6		4				53	8
Whimbrel		48		30		240													318	3
Marbled Godwit				3															3	1
Ruddy Turnstone				6		6			1										13	3
Red Knot		4		298															302	2
Sanderling		15		50		17			9										91	4
Semipalmated Sandpiper		40		25		10			43										118	4
Western Sandpiper	3			83															86	2
Least Sandpiper	18	25		8		125			3				10			6			195	7
White-rumped Sandpiper									1										1	1
peep, sp				362		188													550	2
Pectoral Sandpiper	1															2			3	2
Dunlin		10		107		12			8										137	4
Short-billed Dowitcher				17		1			17										35	3
Dowitcher, sp				6															6	1
Laughing Gull		6		500		163	6		161										836	5
Ring-billed Gull		10		40		5			6			4	54						119	6
Herring Gull				3		3			2				1						9	4
Gull-billed Tern				12		2													14	2
Caspian Tern						1													1	1

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Royal Tern		6		26		13			1										46	4
Common Tern				12															12	1
Forster's Tern		6		4					1										11	3
Least Tern				80		11	2		2							2			97	5
Black Skimmer		6		25															31	2
Rock Dove	21	15	5	32	2	1	2	6	12	27	6	9	7	20	17	2			184	16
Eurasian Collared-Dove	2	2		1		5			9			1							20	6
Mourning Dove	121	41	29	215	25	14	48	12	81	76	43	99	77	30	142	59	6		1118	17
Common Ground-Dove		1		2					4		2								9	4
Black-billed Cuckoo				1															1	1
Yellow-billed Cuckoo	25	1	3	33	2	4	6	3	5		2	3	7	4	1	1			100	15
Barn Owl				1															1	1
Eastern Screech-Owl	2			1										1					4	3
Great Horned Owl	2			8						1					1				12	4
Barred Owl	4			6			2			1				2	1		2		18	7
Common Nighthawk	1	1		6						1				6	2				17	6
Chuck-will's-widow	13	6		55	1			1		1	4	1			2				84	9
Whip-poor-will	3			1	2				1	3		1			4		4		19	8
Chimney Swift	70	8	18	567	22	11	8	4	9	30	32	32	59	210	66	6	5		1157	17

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Ruby-throated Hummingbird	7	1	1	21	1	8	3	2		2	5	1	3		11	2		1	69	15
Belted Kingfisher	1		3	5	3			2		1	1	1	7		5				29	10
Red-headed Woodpecker	11		1	10		3		1	4	3	16	2		4	2	1			58	12
Red-bellied Woodpecker	71	12	4	64	7	15	15	3	6	9	19	19	10	8	25	5		2	294	17
Yellow-bellied Sapsucker															3				3	1
Downy Woodpecker	19		1	14	3	9	4	6	5	5		4	5	1	17			1	94	14
Hairy Woodpecker	3		1	3			1						1	2	3				14	7
Red-cockaded Woodpecker				6							2								8	2
Northern Flicker	4	1	1	2	7	1	2			2		4	5	3	7	1			40	13
Pileated Woodpecker	16	2		23	2	6	5	4	1	2	6	2	14	4	8	1			96	15
Olive-sided Flycatcher					1														1	1
Eastern Wood-Pewee	30	3	5	134	1	21	1	3	6	3	9	7	2	4		1		1	231	16
Acadian Flycatcher	13	3	3	33		15	16	4		3		1	1	6	3			1	102	13
Willow Flycatcher				1															1	1
Eastern Phoebe	7			6	9			8		4		3	26	1	30				94	9
Great Crested Flycatcher	29	25	6	134	3	49	16	12	24	10	14	23	10	5	2	1		4	367	17

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Eastern Kingbird	25	1	28	46	5	15	8	15	3	3	19	32	25	3	17	7			252	16
Loggerhead Shrike	13		8	1					1		5	1		1	1	2			33	9
White-eyed Vireo	48	10	4	61	4	24	15	3	2	2	6	9	13	6					207	14
Yellow-throated Vireo	6	3		9	1	8	2	3		1		1	3	2					39	11
Blue-headed Vireo								2					5						7	2
Red-eyed Vireo	17	2	11	30	9	14	14	15	3	29	4	8	68	8	9				241	15
Blue Jay	109	23	11	181	28	12	4	13	30	31	12	69	15	5	92	4	2	2	643	18
American Crow	78	10	15	145	77	29	25	14	38	59	18	56	102	20	120	3	4	2	815	18
Fish Crow	15	31	2	25		9	3	15	4		46		8	10		7			175	12
Crow, sp	9			12				19			39					10			89	5
Common Raven										2									2	1
Purple Martin	34	2	22	100	3	87	4	6	14	2	63	14	18	10	67				446	15
Tree Swallow				172		70			133		7		3						385	5
N. Rough-winged Swallow	14	2	1	4	4			13		2		29	33	25					127	10
Bank Swallow	5														4				9	2
Cliff Swallow								12					11		112				135	3
Barn Swallow	61	14		165	16	21		35	45	11	38	21	62	15	105	4			613	14
Carolina Chickadee	43	5	11	159	20	11	14	9	2	27	10	26	28	12	59	1	3	3	443	18
Tufted Titmouse	89	15	6	152	19	42	11	20	9	20	16	38	20	30	61	6	4	3	561	18
White-breasted Nuthatch	8	1		3	5	14	1		4	1	2			1	7				47	11

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Brown-headed Nuthatch	28			4	3	6	1	5		2	2	16	4		20				91	11
Carolina Wren	52	24	8	149	16	17	42	3	7	16	2	44	22	15	48	3	2		470	17
House Wren								1							5				6	2
Marsh Wren						4													4	1
Ruby-crowned Kinglet				1															1	1
Blue-gray Gnatcatcher	32	1	4	166	10	37	63	13	7	1	14	11	23	5	16		5		408	16
Eastern Bluebird	71	8	9	136	25	11	4	15	10	26	26	58	69		97	4	3		572	16
Veery					1														1	1
Wood Thrush	4	4		5	4	2	3	2	2	8		3	2		10				49	12
American Robin	37		2	15	40		4	2	9	100		22	61	10	191	12			505	13
Gray Catbird	6		1	13	1		1			2	4	2	9		11		1		51	11
Northern Mockingbird	79	20	14	142	60	13	43	13	95	51	50	72	31	15	111	7	4	1	821	18
Brown Thrasher	10	9	2	51	23	4	5	4	23	22	12	7	20	3	43	3	1		242	17
European Starling	159	30	4	123	102	10		1	63	32	12	22	64	10	142	165			939	15
Cedar Waxwing	10	10	7	53									138		28				246	6
Blue-winged Warbler	1																		1	1
Northern Parula	34	4	18	73	6	38	34	6	4	7	9	1	14	5			1		254	15
Yellow Warbler							1		1										2	2
Magnolia Warbler													1						1	1

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Black-throated Blue Warbler							1			3		1	3	1					9	5
Yellow-rumped Warbler							1			1									2	2
Black-throated Green Warbler										6			9						15	2
Yellow-throated Warbler	7	1	4	43	3	11	8	4	4	4	4		6	3					102	13
Pine Warbler	53	10	3	100		62	4	14	11	8	6	24	12	5	16			1	329	15
Prairie Warbler	2		1	11				13	6	3			9		2				47	8
Palm Warbler	1														3				4	2
Blackpoll Warbler			1		1										1				3	3
Black-and-white Warbler	3			4				6		1									14	4
American Redstart	5		9	1	2				1	2			1	3					24	8
Prothonotary Warbler	29		8	37		7	23	3	1		5	1	1	6		1			122	12
Worm-eating Warbler				1				1		3		1	1						7	5
Swainson's Warbler			1				5						1	2					9	4
Ovenbird				5						5		2	13					1	26	5
Northern Waterthrush					1									4					5	2
Louisiana Waterthrush	11		2					1		3			1						18	5

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Kentucky Warbler	1	2	1	1				3		3				3					14	7
Common Yellowthroat	13			141	4	34		1	7	1		5	22	3	5			2	238	12
Hooded Warbler	12	3	3	2		2	5	5		9			14	5		1			61	11
Yellow-breasted Chat	13		1	19	2	8		5	5	4	3	2	23	2	5				92	13
Summer Tanager	35	6	13	58	3	5	7	7	1	5	2	7	3	6	4	1		3	166	17
Scarlet Tanager			1	1	1					2			4		2				11	6
Eastern Towhee	39	2	4	86	11	43	1	7	10	12	11	22	13	6	35	1		2	305	17
Bachman's Sparrow	10			4							1								15	3
Chipping Sparrow	20		2	24	17	1	2	9		10	4	8	23	3	12		2	4	141	15
Field Sparrow	4		1		4			3		3			5		16			6	42	8
Savannah Sparrow														1					1	1
Grasshopper Sparrow	1				2					1			9		1			2	16	6
Song Sparrow					3					7			8		9		4		31	5
Swamp Sparrow	1																		1	1
White-throated Sparrow															19				19	1
Dark-eyed Junco										7			1						8	2
Northern Cardinal	202	28	21	204	35	50	20	21	48	71	53	73	26	22	105	37	6	6	1028	18
Rose-breasted Grosbeak							1								10				11	2
Blue Grosbeak	15		15	12	11	19	2	5	6	6	13	9	7	4	4	1		4	133	16

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Indigo Bunting	43		18	80	7	23	3	13	2	23	1	16	78	12	24	1		7	351	16
Painted Bunting	2	8	12	51		17	3		3					1					97	8
Bobolink	97		50			2								50				2	201	5
Red-winged Blackbird	65	49	17	1176	9	194	14	2	26		50	14	54	5	42	30			1747	15
Eastern Meadowlark	20		4		22			4		8		2	20		32				112	8
Brewer's Blackbird											2				2				4	2
Common Grackle	143	8	31	529	98	35	56	23	65	60	27	76	57	15	105	145	6		1479	17
Boat-tailed Grackle		68		297		41	25		123										554	5
Brown-headed Cowbird	25	19	27	88	9	9	10	6	15	5	1	42	12	3	31	19			321	16
blackbird, sp					7				4								5		16	3
Orchard Oriole	10	4	15	4		3	3	3	5	3	13	8	7	4	2				84	14
Baltimore Oriole															1				1	1
Purple Finch					2										13				15	2
House Finch	63	7	2	64	13	3	27		21	77	7	49	16	12	75	11	11		458	16
Pine Siskin												5							5	1
American Goldfinch	23				4			1		14	4	14	31		72		2	2	167	10
House Sparrow	26	3	2	7	6	3	4	4	13		4	6	4	10	13	1	6		112	16
Species	114	87	82	152	78	103	80	77	97	86	76	75	97	73	91	50	19	28	197	
Individuals	2872	1094	603	11524	933	2498	829	535	1532	1100	1055	1225	1866	735	2694	703	78	75	31951	

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Observers	11	5	3	24	11	2	5	4	4	5	3	3	7	4	51	1	1	1	145	
Parties	6	2	1	11	8	2	3	1	2	5	2	2	2	2	42	1	1	1	94	
Start Time	0515	0600	0700	0430	0600	0745	N/A	0700	0750	0630	0555	0800	0615	0600	0600	0730	12:00	0530		
Stop Time	1900	2000	1500	2030	2230	1945	N/A	1600	1750	1800	1845	2000	1745	2100	2230	1600	1700	0730		
Hours foot	25.5	2	-	30.5	7	4	0	3	11	7	13	3	8	5	38.25	6	0	1.5	164.75	
Hours car	15.75	8	-	22.5	8.5	4.5	0	6	4	9	5.66	12	13.5	2	9	2	0	0	122.41	
Hours boat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	
Hours Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miles foot	16.5	4	2	11	9.5	2	0	2	4	5	11	2	5.5	4	22.5	3	0	2	106	
Miles car	167	98	50	327	104	37	0	240	115.5	90	153	135	231	38	210	58	0	0	2053.5	
Miles boat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	
Miles Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Hours Feeder Watch	3	0	0	12.5	6	0	3	0	0	12	0	1.5	0	0	58.5	0.5	5	0	102	
#Feeder Watchers	2	0	0	9	2	0	-	0	0	3	0	1	0	0	36	1	1	0	55	
#Feeder Stations	14	0	0	13	1	0	-	0	0	7	0	4	0	0	23	5	-	0	67	
Hours Stationary	0.5	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13.5	
#Parties Stationary	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	
#Observers Stationary	2	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
Hours Owling	1.5	1	0	2	1	0	0	0	0.25	0.5	0	0	0	0	4.5	0	0	0.5	11.25	
Miles Owling	9	30	0	0	0.5	0	0	0	0	0	0	0	0	0	25.5	0	0	10	75	
#parties owling	2	1	0	2	2	0	0	0	1	2	0	0	0	0	5	0	0	1	16	
#observers owling	2	1	0	3	4	0	0	0	1	2	0	0	0	0	6	0	0	1	20	
TEMPERATURE °F:																				
PRE-DAWN	70	-	-	68	66	-	-	-	-	68	-	-	-	66	66	-	-	~50		
DAWN	71	-	-	68	66	65	-	65	-	69	73	-	67	66	66	70	-	-		
AM	82	-	-	75	63	72	-	-	72	80	65	70	70	63	70	-	-	~60		
NOON	83	-	-	80	63	82	-	-	-	68	90	72	70	72	63	71	-	-		
PM	88	-	-	84	65	90	-	70	83	90	77	70	74	65	76	-	-	-		
SUNSET	85	-	-	78	63	78	-	-	-	67	-	-	70	70	63	-	-	-		
NIGHT	78	-	-	73	63	77	-	-	-	-	-	60	-	70	63	-	-	-		
WIND:																				
PRE-DAWN	0	-	-	1	1	-	-	0	-	0	-	-	-	2	1	-	-	0		
DAWN	0	-	-	1	2	0	-	0	-	0	0	-	0	1	1	-	-	-		
AM	1	-	-	1	2	1	-	0	2	1	0	-	2	0	2	-	-	0		
NOON	1	-	-	1	2	1	-	1	-	1	1	-	1	0	2	-	-	-		
PM	2	-	-	2	2	2	-	0	1	1	1	-	-	1	1	-	-	-		
SUNSET	1	-	-	2	1	2	-	1	-	1	-	-	2	0	1	-	-	-		
NIGHT	1	-	-	0	1	2	-	0	-	-	-	-	-	-	1	-	-	-		

	AIKE	BEAU	CALH	CHAR	CHER	COLL	DORC	FAIR	GEOR	GREE	HAMP	LEXI	OCON	RICH	SPAR	SUMT	UNIO	YORK	TOTAL	# Counties Reporting
%CLOUDS:																				
PRE-DAWN	50	-	100	20	80	-	-	100	-	100	-	100	-	100	80	-	-	100		
DAWN	75	-	100	20	80	0	-	100	-	100	30	100	80	100	80	100	-	100		
AM	60	-	100	15	90	30	-	100	100	100	10	100	70	100	90	100	-	100		
NOON	95	-	100	5	80	50	-	100	-	100	30	100	100	100	80	100	-	-		
PM	95	-	100	2	80	30	-	100	30	100	40	100	100	90	80	60	-	-		
SUNSET	70	-	100	10	80	40	-	100	-	100	-	100	100	90	80	-	-	-		
NIGHT	50	-	100	10	80	40	-	100	-	-	-	100	-	90	80	-	-	-		
PRECIPITATION:																				
PRE-DAWN	0	-	1	0	0	0	-	1.5	0	tr	0	1	0	1	0	-	-	heavy		
DAWN	0	-	1	0	0.01	0	-	0	0	tr	0	1	0	1	light	light	-	heavy		
AM	0	-	0.5	0	0.01	0	-	1.5	heavy	0	0	2.5	0	2	0.01	heavy	-	heavy		
NOON	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	heavy	-	-		
PM	0	-	0	0	0	0	-	1	0	0	0	-	0	0	0	-	-	-		
SUNSET	0	-	0	0	0	0	-	0	0	0	0	-	0	0	0	-	-	-		
NIGHT	0	-	0	0	0	0	-	0	0	-	0	-	0	0	0	-	-	-		