

## Spring 2003 North American Migration Count in South Carolina

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The Spring 2003 North American Migration Count was held on May 10, 2003. In South Carolina, 23,280 individuals of 202 species were tallied by 125 participants in 84 parties in 14 counties across the state. Temperatures across the state were typical, with the Upstate reporting milder temperatures than the Lowcountry. Hampton County was again the “hot spot” with a high temperature of 96° F. Unlike the count of spring 2002 when several Midlands counties reported heavy rains, there was no rain reported statewide on count day, and skies were mostly clear to partly cloudy in most localities. Only Charleston reported any significant cloud cover, overcast skies at sunset. Cherokee County was the only county to report significant wind, Beaufort scale 3 winds at midday continuing into the afternoon. The winds in all other counties were relatively calm.

As in the fall count summary, the data for all reported species of warblers for four years is presented in Table 1. Unlike the fall data, which could be considered to be only a reflection of migratory activity on that particular day, spring data may give small insights into the status of breeding birds in the state because the date of the spring count is well past the height of spring migration for most songbirds in this state and breeding season has begun for the Deep South. Also unlike the fall data, a few trends are somewhat evident, including troubling declines, some gradual, some dramatic, in warbler species that commonly breed in the state. Perhaps most troubling are the gradual declines among Yellow-throated Warbler, Prairie Warbler and Louisiana Waterthrush. The gradual decline in the numbers of birds may be factual, not merely a “statistical anomaly”. A gradual decline would seem to indicate that although much the same type of habitat is surveyed from year to year and the number of individuals across species should therefore be relatively consistent, the birds are not there to be found any longer in their previous numbers. Also troubling are the dramatic declines in reported numbers of Kentucky Warbler and Black-and-white Warbler. At best these dramatic declines are simply cases of a temporary decrease in numbers due to an unsuccessful breeding season the previous year. For Kentucky Warblers, for example, the optimal breeding habitat is the low understorey of boggy banks of creeks. Given the four-year drought that dried up many of the smaller creeks in the state during the period tabulated above, there was less optimal habitat available for Kentucky Warblers, leading to potentially less successful breeding seasons. However, the same is not true of Black-and-white Warblers, whose breeding requirements are less specific and

encompass more common, drier habitat than the Kentucky Warbler's breeding requirements. Continued monitoring of the spring data is suggested.

**Table 1. Warbler counts for four years.**

	2000	2001	2002	2003
Tennessee Warbler	0	0	0	1
Northern Parula	279	309	254	237
Yellow Warbler	9	8	2	6
Chestnut-sided Warbler	2	1	0	0
Magnolia Warbler	2	1	1	0
Cape May Warbler	3	1	0	2
Black-throated Blue Warbler	7	7	9	22
Yellow-rumped Warbler	17	2	2	6
Black-throated Green Warbler	26	15	15	22
Yellow-throated Warbler	134	132	102	71
Pine Warbler	348	326	329	168
Prairie Warbler	72	65	47	40
Palm Warbler	1	0	4	1
Bay-breasted Warbler	0	1	0	1
Blackpoll Warbler	9	5	3	12
Black-and-white Warbler	22	27	14	15
American Redstart	38	24	24	41
Prothonotary Warbler	101	96	122	109
Worm-eating Warbler	5	16	7	11
Swainson's Warbler	9	15	9	8
Ovenbird	19	19	26	36
Northern Waterthrush	4	0	5	2
Louisiana Waterthrush	16	20	18	13
Kentucky Warbler	29	25	14	12
Common Yellowthroat	230	180	238	162
Hooded Warbler	57	63	61	60
Wilson's Warbler	0	1	0	0
Canada Warbler	0	0	0	2
Yellow-breasted Chat	112	93	92	55
<b>TOTALS</b>	<b>1551</b>	<b>1452</b>	<b>1398</b>	<b>1115</b>

Among the widespread species reported from every county were: Mourning Dove, Yellow-billed Cuckoo, Red-bellied Woodpecker, Eastern

Wood-Pewee, Great Crested Flycatcher, Eastern Kingbird, Blue Jay, American Crow, Carolina Chickadee, Tufted Titmouse, Eastern Bluebird, Brown Thrasher, Northern Cardinal, and Red-winged Blackbird. The most numerous of the widespread species was Red-winged Blackbird with 1407 individuals reported; the second most numerous was Northern Cardinal with 1161 individuals reported, and the third most numerous was Mourning Dove with 927 individuals reported. For sheer magnitude of numbers, shorebirds of sometimes limited distribution rank high. Semipalmated Sandpiper is the species with the highest number of individuals. Although only four counties (including the inland county of Lexington) reported Semipalmated Sandpiper, 7205 individuals were tallied. Dunlin, with 3351 individuals, and Semipalmated Plover, with 1728 individuals, were the second and third most numerous but were reported from only three coastal counties. Only Red-winged Blackbird and Northern Cardinal are both numerous (at greater than 1000 individuals reported) and widespread (reported from all surveyed counties).

Among the highlights of the Spring 2003 North American Migration Count are Dickcissel in Calhoun County, Red-breasted Merganser and Northern Gannet in Georgetown County, American Pipit and Barn Owl in Charleston County, Wilson’s Phalarope and Black-bellied Whistling-Duck in Jasper County, Ruby-crowned Kinglet in Beaufort County, Swamp Sparrow in Spartanburg County, and Bay-breasted Warbler and Least Flycatcher in Greenville County. Swallow-tailed Kite was found in three counties: Aiken, Hampton, and Jasper. Hooded Merganser was found in two coastal counties, Charleston and Georgetown. Pied-billed Grebe was found in Jasper and Richland counties. Table 2 lists 39 species that were “exclusives,” found only in one county.

**Table 2. Number of county exclusives.**

Beaufort	1
Calhoun	1
Charleston	5
Chester	1
Georgetown	4
Greenville	5
Jasper	12
Richland	2
Spartanburg	8

### **County Summaries**

**Aiken County (AIKE):** 107 species, 2656 individuals.

Coordinator: Anne Waters  
1648 Partridge Drive  
Aiken, SC 29803  
803-649-5929

Participants: Chuck Braun, Pam Byer, Adrienne DeBiase, Carol Eldridge, Larry Eldridge, Judy Gregory, Christine Huzella, James Keener, Paul Koehler, George Reeves, Lois Stacey, Alice Walker, Doug Walker, Vernon Waters, Calvin Zippler

Aiken reported an almost “grand slam” on nocturnal species, lacking only one of seven exclusively nocturnal species. Aiken reported Eastern Screech-Owl, Great Horned Owl, Barred Owl, Common Nighthawk, Chuck-will’s-widow and Whip-poor-will. Their tally lacked only Barn Owl, an increasingly difficult species to find in SC.

**Beaufort County (BEAU):** 62 species, 599 individuals.

Coordinator: Paige Mulholland  
24 Big Woods Road  
Hilton Head Island, SC 29926  
843-681-9983

Participants: Clem Dietz, Bryan Fluech, Tim White

Beaufort County reported one statewide exclusive, a lingering Ruby-crowned Kinglet. Beaufort also reported a nice diversity of birds more coastal in their distribution in the state, including Black-crowned Night-Heron, Black-bellied Plover, American Oystercatcher, and Whimbrel.

**Calhoun County (CALH):** 69 species, 608 individuals.

Coordinator: Bob Ellis  
2402 Glenwood Road  
Columbia, SC 29204  
803-790-1549

Participants: Charles Vaughan

Calhoun County reported a very nice exclusive, Dickcissel, and a migrant warbler species, Blackpoll Warbler.

**Charleston County (CHAR):** 136 species, 7796 individuals.

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

Participants: Mrs. M. A. Aldenderfer, Paul Aldenderfer, Sue Ann Russell, Allen Russell, Chris Nugent, Ed Conradi, Marian Camberlain, Peg Clarke, Joan Hylander, Betty Zimmerman, Martha Stevenot, Joe Stevenot

Along with the really nice and previously mentioned Barn Owl and lingering American Pipit, Charleston County reported Herring Gull, Common Tern and Red Knot as exclusives. Lingering White-throated Sparrows were also on Charleston’s tally.

**Cherokee County (CHER):** 75 species, 966 individuals.

Coordinator: Lyle Campbell  
126 Greengate Lane

Spartanburg, SC 29307  
864-585-1228

Participants: Claude Cobb, Ken Garrett, J. B. Hines, Karla Lavender, Tina Pearsall, Alan Rose, B. J. Rose, Betty Jean Rose, Ed Wilde

Among the interesting species reported by Cherokee County were multiple Spotted Sandpipers and lingering Ring-billed Gulls. While both species are known to occur commonly inland, it is still interesting to find "shorebirds" in the Upper Piedmont. Among more expected species, Cherokee also reported House Wren and Song Sparrow, two species which breed in small numbers in the Upper Piedmont of South Carolina.

**Chester County (CHES):** 69 species, 1325 individuals.

Coordinator: Gail B. Ice  
2356 Arabian  
York, SC 29445  
803-684-3242

Participants: Gail B. Ice

Chester County was the only county in the state to report Northern Waterthrush. Chester County also reported 700 Cliff Swallows, illustrating this species' relatively recent expansion into the state and its continuing distribution along inland lakes.

**Georgetown County (GEOR):** 93 species, 1069 individuals.

Coordinator: Jack Peachey  
103 Walnut Circle  
Conway, SC 29526  
843-347-5810

Participants: Dave Gustafson

Georgetown County reported four exclusives: Northern Gannet, American Bittern, Common Ground-Dove, and lingering Red-breasted Mergansers. The gannet, the mergansers and the American Bittern are very nice finds, harder to find in the spring season than in winter.

**Greenville County (GREE):** 103 species, 2325 individuals.

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

Participants: Linda Jones, Len Kopka, Jane Kramer, Gayle Lowe, Eric McFalls, Al Rees, Hilda Rees, Mac Sharpe, Donna Slyce

Common Raven, Least Flycatcher, Tennessee Warbler, Bay-breasted Warbler, and Cape May Warbler were the five exclusives reported by Greenville County. The Common Raven is a year-round resident at higher elevations in the county. The Tennessee Warbler and the Cape May Warbler are fairly common migrants through the Upstate. However, the Least Flycatcher and the Bay-breasted Warbler are distinctly uncommon migrants anywhere in the state and are nice finds.

**Hampton County (HAMP):** 80 species, 1152 individuals.

Coordinator: Carroll Richard  
PO Box 893  
Hampton, SC 29924  
803-943-4661

Participants: Kathleen O'Grady, Jerry Raymond

As previously mentioned, Hampton was one of only three counties reporting Swallow-tailed Kite, always a nice bird to find in South Carolina. Hampton was also one of only three counties reporting Wood Stork, a species of somewhat limited and spotty distribution in the state.

**Jasper County (JASP):** 124 species, 17,355 individuals.

Coordinator: Pat Metz  
1000 Business Center Drive, Suite 10  
Savannah Georgia 31405  
912-652-4415

Participants: Steve Calver, Andrew Chapman, Marcus Chapman, Tom Chapman, Diana Churchill, Valda Kelly, Ward Milner, Darien Montanez, Ray Porter, Richard Schulze, Jr.

As always when Jasper County reports, it makes a decided impact on the state tally. This year Jasper added 12 species as exclusives to the statewide tally: Black-bellied Whistling-Duck, Green-winged Teal, Sora, Wilson's Phalarope, Purple Gallinule, Yellow-crowned Night-Heron, Bonaparte's Gull, Northern Shoveler, Gull-billed Tern, American Avocet, Stilt Sandpiper and an unexpected Veery.

**Lexington County (LEXI):** 82 species, 1395 individuals.

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

Participants: Andrea Ceselski, Barbara Darden

Lexington County reported the state's highest numbers of Eastern Kingbird with 60 individuals, as well as both Chuck-will's-widow and Whip-poor-will, an illustration of the Whip-poor-will's continuing range expansion east and south of its former breeding range in the Upstate. Lexington County also reported Semipalmated Sandpiper, a nice species to find this far inland.

**Richland County (RICH):** 98 species, 1437 individuals.

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

Participants: Steve Dennis, Caroline Eastman, Alice Steinke, John Grego, Steve Tracey

Richland County reported two nice exclusives for the state: Gray-cheeked Thrush and Swainson's Thrush. Both species are migrants through the state and most easily detected by nocturnal listening.

**Spartanburg County (SPAR):** 113 species, 3041 individuals.

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

Participants: Tim Brown, Sarah Campbell, Alan Chalmers, Dan Codispoti, Tom Moore Craig, Glenn Englehardt, Tim Foster, Pat Fowler, Roy Fowler, Onoosh Gahagan, Robin Gilman, Jessie Ivy, Jack Jennings, Joel Jones, Herb Kay, Megan Long, Micky Marrotte, Angela Miller, Jim Miller, Margaret Miller [4 years old], Margaret Miller, Moss Miller [7 years old], Sam Miller [6 years old], Virl Momier, Pat Mulvaney, Nancy Owens, Ken Pearson, Lisa Pearson, Bob Powell, Hugh Pry, Janet Pry, Doug Rayner, Ginny Scott, Walton Scott, Tina Taylor, Dick Thorpe, Lois Thorpe, Gerald Thurmond, Nancy Wooten

Among Spartanburg County's eight exclusives are Cooper's Hawk, American Kestrel, a lingering Hermit Thrush, Baltimore Oriole, Palm Warbler, and an excellent species to find in early May, Swamp Sparrow.

**Sumter County (SUMT):** 72 species, 1582 individuals.

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

Participants: Ward N. Moon, Evelyn Dabbs, Kathleen Mallard

Sumter County reported a nice selection of birds, including inland White Ibis and Black-bellied Plover, Least Terns from the breeding colony at Shaw Air Force Base, and Rose-breasted Grosbeaks. The grosbeak is always a nice migrant to find in the state.

Table 3. North American Migration Count in South Carolina 10 May 2003

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Pied-billed Grebe										1		1			2	2
Northern Gannet							1								1	1
Brown Pelican				24			7								31	2
Double-crested Cormorant	1	5	2	66		24	84	2	2	14	12		29	13	254	12
Anhinga	2	1		16			2		6	41				24	92	7
American Bittern							1								1	1
Least Bittern		1		9						3					13	3
Great Blue Heron	6	5	1	53	1		4	10	4	8	4	1	20	17	134	13
Great Egret	3	69	2	508			15		6	245				38	886	8
Snowy Egret	1	67		116			10			285				1	480	6
Little Blue Heron	1	4		116					2	22	4				149	6
Tricolored Heron		22		44			4			102					172	4
Cattle Egret	8	3		21			1		14	29		1		19	96	8
Green Heron	2	8		27	2		5	2	2	11	4	1	3	1	68	12
Black-crowned Night-Heron		5		19						9					33	3
Yellow-crowned Night-Heron										5					5	1
night-heron sp.									1						1	1
White Ibis				64					190	132				4	390	4
Glossy Ibis				1						15					16	2
Wood Stork				128			4		2						134	3
Black Vulture	12	2	4	86	9	4	13		49	4	7	3	4		197	12
Turkey Vulture	26	1	21	77	10	20	12	17	49	11	25	13	16	82	380	14
Black-bellied Whistling-Duck										1					1	1



	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Canada Goose	71			13	63	20	6	67			20	32	120	70	482	10
Wood Duck	6			79		1		23	2	3	12	1	24	5	156	10
Mallard	26			2		2	2	7	37		5	6	66	21	192	11
Mottled Duck				4						18					28	2
Blue-winged Teal										14			6		20	2
Northern Shoveler										10					10	1
Green-winged Teal										1					1	1
Hooded Merganser				1			1								2	2
Red-breasted Merganser							18								18	1
Ruddy Duck										88			1		89	2
Osprey		7	4	10		1	2			8		2	1	3	38	9
Swallow-tailed Kite	1								1		1				3	3
Mississippi Kite	48			11					8	10		2		12	91	6
Bald Eagle	2			8		3			7						20	4
Sharp-shinned Hawk	1												5		6	2
Cooper's Hawk													1		1	1
Red-shouldered Hawk	6			9			1	7	1	2			7		33	7
Broad-winged Hawk	2							5				1	16		24	4
Red-tailed Hawk	7	1	2	5	4	3	1	15		2	5	6		4	55	12
buteo sp.				1				1						1	3	3
American Kestrel													1		1	1
Wild Turkey	7		3	1	7								2	1	21	6
Northern Bobwhite	11		2	3	2	1		3	2	5	2	1	4	1	37	12
Clapper Rail				7			1			2					10	3
King Rail				7						1					8	2
Sora										1					1	1
Purple Gallinule										2					2	1

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Common Moorhen		18		156			1		24	21					220	5
American Coot									1	2					3	2
Black-bellied Plover		1		4			5			237				1	248	5
Wilson's Plover				10			3			4					17	3
Semipalmated Plover				981			38			709					1728	3
Killdeer	6		2	45	7		3	4	2	9	8	3	9	14	112	12
American Oystercatcher		1		3			2								6	3
Black-necked Stilt				35						219					254	2
American Avocet										76					76	1
Greater Yellowlegs				19					4	13					36	3
Lesser Yellowlegs				22			1			577			4		604	4
Yellowlegs sp.							1								1	1
Solitary Sandpiper	2			40						9	6	2	20	4	83	7
Willet				7			6			31					44	3
Spotted Sandpiper	3			33	3	4				8	1		10	7	69	8
Whimbrel		4					7								11	2
Ruddy Turnstone				2			3								5	2
Red Knot				27											27	1
Sanderling				46			32								78	2
Semipalmated Sandpiper				234			17			6948	6				7205	4
Western Sandpiper	2			245										5	252	3
Least Sandpiper	150			367			1			697			16		1231	5
White-rumped Sandpiper				3						25					28	2
Pectoral Sandpiper	3			3						2					8	3
Dunlin				7			13			3331					3351	3
Stilt Sandpiper										843					843	1
sandpiper sp.										300					300	1

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Short-billed Dowitcher				1			27			102					130	3
Dowitcher sp.										457					457	1
Wilson's Phalarope										1					1	1
Laughing Gull		1		337			42			8					388	4
Bonaparte's Gull										6					6	1
Ring-billed Gull				13	2		41			2	6		9		73	6
Herring Gull				1											1	1
Gull-billed Tern										58					58	1
Caspian Tern							1			28					29	2
Royal Tern				67			57								124	2
Sandwich Tern				17			2								19	2
Common Tern				8											8	1
Forster's Tern		1		5			3								9	3
Least Tern				99			30			169				2	300	4
Black Skimmer		77		6						70					153	3
Rock Pigeon	21		5	25	4	6	9	29	13	8	9	8	64	82	283	13
Eurasian Collared-Dove	2			3			7	1				3			16	5
Mourning Dove	109	9	30	89	29	26	38	117	30	44	121	42	119	124	927	14
Common Ground-Dove							1								1	1
Black-billed Cuckoo								2		1					3	2
Yellow-billed Cuckoo	24	1	3	28	6	1	4	3	11	1	2	16	4	2	106	14
Barn Owl				1											1	1
Eastern Screech-Owl	3							2		1	6		4		16	5
Great Horned Owl	1			2						1			5		9	4
Barred Owl	9			7				1		1	2	3	3		26	7
Common Nighthawk	3									6		3	3		15	4
Chuck-will's-widow	10			5			1		4	1	4	3	7	1	36	9

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Whip-poor-will	4				2	1		4			3		10		24	6
Chimney Swift	70	1	54	93	13	100		68	31	5	18	28	353	20	854	13
Ruby-throated Hummingbird	7		1	18	3	2		8	3		11	1	23	9	86	11
Belted Kingfisher	1	1			2	1		3		2	3	2	5		20	9
Red-headed Woodpecker	13		2	2		1	4	1	11		1	4	5		44	10
Red-bellied Woodpecker	45	11	1	20	5	7	4	32	17	13	17	28	25	12	237	14
Yellow-bellied Sapsucker													1		1	1
Downy Woodpecker	8	4		6	1		1	10			7	7	18	2	64	10
Hairy Woodpecker	1		1	1				2				2	3		10	6
Red-cockaded Woodpecker				1					2						3	2
Northern Flicker	2			3	8	2		8			5	2	14		44	8
Pileated Woodpecker	21	4	2	12	4	2		3	6		4	4	11	1	74	12
Eastern Wood-Pewee	18	1	4	60	2	2	1	6	7	1	6	14	2	1	125	14
Yellow-bellied Flycatcher				15											15	1
Acadian Flycatcher	17		2		1	1	2	22			1	21	13		80	9
Least Flycatcher								1							1	1
Eastern Phoebe	4			1	4	4		17			4	1	24		59	8
Great Crested Flycatcher	52	15	6	108	2	2	9	11	15	6	17	42	10	4	299	14
Eastern Kingbird	20	2	25	7	9	12	8	7	25	12	60	22	16	8	233	14
Loggerhead Shrike	2					3			4	1	2	2		3	17	7
White-eyed Vireo	25	8	2	18	1			1	4	2	8	18	1		89	12
Yellow-throated Vireo	3			13				2				4	1	1	24	6
Blue-headed Vireo	1		2	1				2							6	4
Red-eyed Vireo	27		6	18	12	7	3	55	10	2	10	50	38		238	12
Blue Jay	63	13	16	26	26	7	19	79	6	3	36	41	101	9	445	14
American Crow	85	16	8	38	38	21	11	88	32	4	27	25	127	23	543	14
Fish Crow	27	3	1	53		4	23		22	3	1	20		7	164	11

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
crow sp.	12		47						23	2				60	144	5
Common Raven								2							2	1
Horned Lark												2		4	6	2
Purple Martin	43		20	22	6		14	52	54		17	23	54	5	310	11
Tree Swallow				364			16	3		6				1	390	5
Northern Rough-winged Swallow	5		9	25	4	1		6	6	1	23	3	5	8	96	12
Bank Swallow				1	3					1			2		7	4
Cliff Swallow					5	700					40		132		877	4
Barn Swallow	39		35	32	25	75	30	65	30	44	76	6	73	50	580	13
Carolina Chickadee	44	13	3	52	14	6	4	54	7	2	23	11	71	5	309	14
Tufted Titmouse	61	10	14	80	19	6	8	54	19	3	62	62	62	5	465	14
White-breasted Nuthatch	8	1	3	2				8	3			2	8		35	8
Brown-headed Nuthatch	28	5		15	1	4		5	3		14	6	6		87	10
Carolina Wren	78	9	2	74	5	8		41	6	22	43	52	47	6	393	13
House Wren					1			5					9		15	3
Marsh Wren		2		8						5					15	3
Ruby-crowned Kinglet		1													1	1
Blue-gray Gnatcatcher	39	7	5	53	8	7		30	13	20	23	39	16		260	12
Eastern Bluebird	49	20	32	20	20	12	4	61	29	1	36	7	47	12	350	14
Veery										1					1	1
Gray-cheeked Thrush												1			1	1
Swainson's Thrush												3			3	1
Hermit Thrush				3	1	2	2	14	1		6	1	1		1	1
Wood Thrush	1											7			38	10
American Robin	29		4	2	74	20	3	98	2		23	35	114	6	410	12
Gray Catbird	7		3	2	3	2	2	7	3	4	4	4	14	8	63	13

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Northern Mockingbird	73		39	27	66	20	56	74	47	16	87	90	83	40	718	13
Brown Thrasher	24	3	15	24	22	1	5	34	8	9	15	10	43	21	234	14
European Starling	59		13	27	50	25	28	161	8	3	21	16	80	117	608	13
American Pipit				2											2	1
Cedar Waxwing	47				25			86		15	6	10	147	6	342	8
Tennessee Warbler								1							1	1
Northern Parula	36	3	10	77	7	4	3	10	13	3	5	53	13		237	13
Yellow Warbler					1			2		3					6	3
Cape May Warbler								2							2	1
Black-throated Blue Warbler								6		1		14	1		22	4
Yellow-rumped Warbler								5					1		6	2
Black-throated Green Warbler			3					19							22	2
Yellow-throated Warbler	9	3		23		2	2		7		2	20	3		71	9
Pine Warbler	29	12	7	29	4	4	2	11	8	1	16	33	12		168	13
Prairie Warbler	8		4		1	6	3	4			9	5			40	8
Palm Warbler													1		1	1
Bay-breasted Warbler								1							1	1
Blackpoll Warbler			1					1		8		2			12	4
Black-and-white Warbler	4	2	1					6				1	1		15	6
American Redstart	7	3	2		1			6	2	4	6	8	2		41	10
Prothonotary Warbler	33		1	37	1	6	3		5	2	3	16	1	1	109	12
Worm-eating Warbler				2				8				1			11	3
Swainson's Warbler								1				7			8	2
Ovenbird			1	6				18		1	4	3	2	1	36	8
Northern Waterthrush						2									2	1
Louisiana Waterthrush	6							5				1	1		13	4
Kentucky Warbler				2		1						8	1		12	4

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Species TOTAL Individuals	# Counties Reporting
Common Yellowthroat	6	1		71	2		4	5	2	52	4	7	8		162	11
Hooded Warbler	8		3	4	2		3	30	1		1	8			60	9
Canada Warbler								1					1		2	2
Yellow-breasted Chat	7	2		5		6	5	4	7	6	2	6	5		55	11
Summer Tanager	43	1	3	26		1	2	1	3	3	7	20	24	2	136	13
Scarlet Tanager		6						14				1	2		23	4
Eastern Towhee	39	4	3	16	7	4	6	33	11	13	25	19	29		209	13
Bachman's Sparrow	5			2											7	2
Chipping Sparrow	3		1	6	5	6		17	6		24	5	27	2	102	11
Field Sparrow	4		3		11	1		4				4	14		41	7
Savannah Sparrow	4				1					5					10	3
Grasshopper Sparrow					1	2		3					1		7	4
Song Sparrow					35	2		14					11		62	4
Swamp Sparrow													1		1	1
White-throated Sparrow				2				2					17		21	3
Dark-eyed Junco								3					1		4	2
Northern Cardinal	178	46	25	197	36	7	29	118	28	57	119	145	123	53	1161	14
Rose-breasted Grosbeak	4							7					4	2	17	4
Blue Grosbeak	11	1	3	4	5		1	4	16	2	5	2	5	7	66	13
Indigo Bunting	92		23	36	15	6	1	46	3	1	15	42	35	2	317	13
Painted Bunting	1	18		27			3		10	27		1			87	7
Dickcissel			1												1	1
Bobolink										307				1	308	2
Red-winged Blackbird	45	15	13	776	10	12	33	23	30	301	16	2	12	119	1407	14
Eastern Meadowlark	11		1		32	36		19		2		2	9	5	117	9
Common Grackle	183		17	368	120	27	40	160	20	3	30	21	79	287	1355	13
Boat-tailed Grackle		15		121			72			157					365	4

	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	Individuals	Species TOTAL	# Counties Reporting
Brown-headed Cowbird	16	3	5	24	4		4	11	10	15	24	13	24	69	222	13	
Orchard Oriole	10		1	22	3	3		1	14	16	4	30	5	6	115	12	
Baltimore Oriole													2		2	1	
Purple Finch													22		22	1	
House Finch	40		10	25	5		4	29	5		16	24	55	9	222	11	
American Goldfinch	26		6		9	2		32	3		14	6	41	2	141	10	
House Sparrow	28		2		14		1	30	17		13	32	20	1	158	10	
Species	107	62	69	136	75	69	93	103	80	124	82	98	113	72	212		
Individuals	2656	599	608	7796	966	1325	1069	2325	1152	17355	1395	1437	3041	1582	43306		
TIME START	05:00	06:30	07:22	05:00	08:00	07:00	07:00	05:00	05:30	06:30	06:15	05:30	06:00	06:00			
TIME STOP	20:15	13:00	15:52	18:00	18:30	17:00	17:00	19:00	20:30	20:15	17:30	19:20	23:00	18:15			
Observers	16	4	2	13	10	1	2	10	3	11	3	6	40	4	125		
Parties	9	1	1	10	7	1	2	10	2	4	2	2	30	3	84		
Hours foot	29	2	-	17	8	4	9	16.75	15.5	17	0	8	38.5	11	175.75		
Hours car	12.5	4	-	13.5	10.5	6	3	16.5	5	13	11	4	805	11.75	915.75		
Hours boat	0	0	0	1	0	0	0	0	0	0	0	0	2	0	3		
Hours canoe/kayak	2	0	0	0	0	0	0	0	0	0	0	0	2	0	4		
Hours bike	0	0	0	0	0	0	1.5	0	0	0	0	0	0	0	1.5		
Hours other	0	0	0	16		0	0	0	0	0	0	0	0	0	16		
Miles foot	16	1	-	8.5	10.5	7	6	6	8	9	0	6	34	8	120		
Miles car	188	15	-	140	86	125	80	250	131	76	177	145	190	135	1738		



	AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	# Counties Reporting Species TOTAL Individuals
Miles boat	0	0	0	8	0	0	0	0	0	0	0	0	8	0	16
Miles canoe/kayak	1	0	0	0	0	0	0	0	0	0	0	0	2	0	3
Miles bike	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Miles other	0	0	0	13.1	0	0	0	0	0	0	0	0	0	0	13.1
Hours Feeder Watch	9.5	0	0	3	6	0	0	0	0	0	0	1	79.5	2	101
#Feeder Watchers	5	0	0	4	2	0	0	0	0	0	0	1	28	3	43
#Feeder Stations	14	0	0	3	2	0	0	0	0	0	0	1	22	7	49
Hours Stationary	0	0	0	0	0	0	0	9.33	0	0	1	0	0	0	10.33
#Parties Stationary	0	0	0	0	0	0	0	5	0	0	1	0	0	0	6
#Observers Stationary	0	0	0	0	0	0	0	5	0	0	1	0	0	0	6
Hours Owling	2	0	0	1.5	0.5	0	0	1	0	0	1	0.5	7	0	13.5
Miles Owling	17.6	0	0	1	1	0	0	0	0	0	0	22	30	0	71.6
#parties owling	2	0	0	2	1	0	0	2	0	0	2	1	6	0	16
#observers owling	3	0	0	2	1	0	0	3	0	0	2	1	7	0	19
TEMPERATURE															
PRE-DAWN	68	-	-	73	70	62	-	-	64	-	-	74	70	75	-
DAWN	70	75	-	75	68	-	-	-	72	65	-	70	68	76	-
AM	77	85	-	78	79	-	65	-	81	-	70	79	79	83	-
NOON	85	90	-	89	84	92	-	-	91	90	-	86	84	90	-
PM	89	-	-	91	86	90	71	-	96	-	90	93	86	92	-
SUNSET	90	-	-	89	81	-	-	-	90	80	-	88	81	85	-
NIGHT	88	-	-	-	75	-	-	-	-	-	-	-	75	83	-

		AIKE	BEAU	CALH	CHAR	CHER	CHES	GEOR	GREE	HAMP	JASP	LEXI	RICH	SPAR	SUMT	# Counties Reporting Species TOTAL Individuals
WIND:	PRE-DAWN	0	-	-	-	2	1	-	-	0	-	-	0	1	1	1
	DAWN	1	1	-	0	2	1	-	-	0	-	-	0	1	2	2
	AM	1	1	-	1	2	1	1	-	1	1	-	1	1	2	2
	NOON	2	1	-	1	3	1	-	-	1	1	2	2	2	2	2
	PM	2	1	-	1	3	2	2	-	1	-	-	2	2	2	2
	SUNSET	1	-	-	1	2	1	-	-	0	-	-	3	1	2	2
	NIGHT	1	-	-	-	2	-	-	-	-	-	-	-	1	1	1
%CLOUDS:	PRE-DAWN	0	-	-	0	10	0	-	-	10	0	-	80	10	10	10
	DAWN	0	0	-	0	-	0	-	-	10	4	-	80	-	10	10
	AM	10	0	-	10	-	0	10	-	5	4	-	10	-	10	10
	NOON	10	0	-	40	-	5	-	-	35	5	-	20	-	20	20
	PM	20	0	-	10	-	7	30	-	15	2	-	20	-	30	30
	SUNSET	15	-	-	100	-	10	-	-	10	2	-	25	-	20	20
	NIGHT	10	-	-	-	-	-	-	-	-	-	-	-	-	20	20
PRECIPITATION:	PRE-DAWN	0	-	-	0	0	0	0	0	0	0	-	0	0	0	0
	DAWN	0	0	-	0	0	0	0	0	0	0	-	0	0	0	0
	AM	0	0	-	0	0	0	0	0	0	0	-	0	0	0	0
	NOON	0	0	-	0	0	0	0	0	0	0	-	0	0	0	0
	PM	0	0	-	0	0	0	0	0	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	0