

Fall 2002 North American Migration Count in South Carolina

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The Fall 2002 North American Migration Count was held on 21 September 2002, and 76 parties of 127 individual observers afield in 13 counties across the state counted 31,997 individual birds of 190 species. The temperatures for the day were relatively seasonal for South Carolina, mild in most of the state and a little warmer on the Coastal Plain. Three Upstate counties, Cherokee, Greenville and Spartanburg, reported rain and significant cloud cover on count day. Most counties reported no significant wind, with only four counties reporting winds serious enough to possibly affect birding.

In years past, tables with partial data on warblers were presented. This year, in order to give a more complete picture, Table 1 illustrates four years' data on warblers. No clear trends are evident. A possible trend is the consistency in the numbers of individuals reported for some species, particularly Tennessee, Blackburnian and Worm-eating Warblers. Other species illustrate wide swings in numbers of individuals reported from year to year. For one species, Yellow-rumped Warbler, the swings in number can possibly be explained by the timing of the count. The fall count is always held on the third Saturday of September, but this means that the date of the count moves through a range of dates from 15 September through 21 September. In 1999 the count was conducted on 18 September, in 2000 on 16 September, in 2001 on 15 September, and in 2002 on 21 September. The number of Yellow-rumped Warblers is higher in the years the count was held at a later date in the month. Some species are conspicuous by their absence, including Bay-breasted, Connecticut and Cerulean Warblers.

Among the widespread species reported from every county were Mourning Dove, Red-bellied Woodpecker, Downy Woodpecker, Blue Jay, American Crow, Tufted Titmouse, Carolina Wren, Eastern Bluebird, Northern Mockingbird, Pine Warbler, and Northern Cardinal. As in fall of 2001, Mourning Dove was the most numerous of the widespread species, with 1208 individuals reported. In 2002, a year that saw an expansion of the epidemic of West Nile Virus among birds, particularly corvids, American Crow increased in reported numbers to take over as the second most numerous species. In 2002, 955 American Crows were reported, up from 897 in 2001, 691 in 2000, and 607 in 1999. Northern Cardinal, the second most numerous species in 2001, was the third most numerous species in 2002, with 895 individuals. Interestingly, Blue Jay also increased in numbers in 2002: 824 individuals were reported, up from 332 in 2001, 393 in 2000, and 488 in 1999.

Table 1. Warbler Counts for Four Years

	1999	2000	2001	2002
Blue-winged Warbler	5	4	1	3
Golden-winged Warbler	3	3	0	4
Tennessee Warbler	7	7	7	8
Orange-crowned Warbler	1	2	0	0
Nashville Warbler	0	5	2	2
Northern Parula	56	73	81	66
Yellow Warbler	9	14	3	10
Chestnut-sided Warbler	16	38	34	17
Magnolia Warbler	24	31	27	39
Cape May Warbler	0	1	1	3
Black-throated Blue Warbler	6	8	6	8
Yellow-rumped Warbler	15	2	5	12
Black-throated Green Warbler	6	3	12	1
Blackburnian Warbler	4	3	4	7
Yellow-throated Warbler	11	11	6	9
Pine Warbler	273	250	190	346
Prairie Warbler	7	24	20	8
Palm Warbler	104	38	20	23
Bay-breasted Warbler	0	0	0	0
Blackpoll Warbler	0	0	2	4
Cerulean Warbler	0	0	0	0
Black-and-white Warbler	43	30	37	31
American Redstart	117	165	153	84
Prothonotary Warbler	3	1	2	0
Worm-eating Warbler	2	2	1	1
Swainson's Warbler	0	0	2	0
Ovenbird	1	3	5	4
Northern Waterthrush	23	14	7	6
Louisiana Waterthrush	6	1	1	0
Kentucky Warbler	0	0	0	1
Connecticut Warbler	0	0	0	0
Common Yellowthroat	82	262	102	92
Hooded Warbler	10	7	12	14
Wilson's Warbler	0	0	0	2
Canada Warbler	0	2	0	0
Yellow-breasted Chat	4	3	1	5
TOTALS	838	1007	744	810

Among the highlights of the Fall 2002 North American Migration Count are the more than 3000 Chimney Swifts reported in Cherokee County, Bank

Swallow in Aiken County, King Rail and Swamp Sparrow in Charleston County, Black-billed Cuckoo and Warbling Vireo in Greenville County, American Bittern in Orangeburg County, Least Flycatcher in Lexington County, early Ruby-crowned Kinglet in Spartanburg County, and late Mississippi Kite in Sumter County. Fifty species were “exclusives”, found only in one county (Table 2).

Table 2. Number of County Exclusives

Aiken	3
Calhoun	1
Charleston	19
Cherokee	1
Chester	1
Colleton	2
Greenville	9
Hampton	1
Lexington	1
Orangeburg	3
Spartanburg	8
Sumter	1

County Summaries

Aiken County (AIKE): 101 species, 6037 individuals.

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

Participants: John Connelly, John Demko, Nancy Demko, Carol Eldridge, Larry Eldridge, Gary Gray, Judy Gregory, Christine Huzella, James Keener, Paul Koehler, Betsy Ristroph, Alice Walker, Doug Walker, Vernon Waters, Calvin Zippler

Aiken’s exclusives were a diverse mix of genera and habitat types, from *Tringa* to *Catharus*, from marsh to deep woods. Those species exclusive to Aiken were Solitary Sandpiper, Bank Swallow, and Hermit Thrush.

Beaufort County (BEAU): 28 species, 214 individuals.

Coordinator: Bryan Fluech
26B Tidal Bluff Road
Hilton Head Island, SC 29926
843-342-7157

Participants: Bryan Fluech

A one-person, partial-day count, Beaufort County reported good numbers of waders and even a migrant warbler or two, including both American Redstart and Palm Warbler.

Calhoun County (CALH): 54 species, 606 individuals.

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

Participants: Andy Dapkins, Steve Dennis, Ida Frueh, Paul Frueh, Steve Tracey

Receiving more thorough coverage than it ever has, Calhoun County reported a nice exclusive, Bobolink. Calhoun County also reported four of the possible six brown-backed thrushes. Almost all of the thrushes were detected by nocturnal listening, including a late Wood Thrush.

Charleston County (CHAR): 125 species, 8018 individuals.

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

Participants: Mrs. M. A. Aldenderfer, Sue Ann Russell, Allen Russell, Jim Brownlee, Sue Brownlee, Ronnie Riddle, Ann Kent, Betty Zimmerman, Martha Stevenot, Joe Stevenot, Craig Watson, Steve Lohr, Bill Tuomey, Edward Conradi, Sandra Conradi, Sara Saksewski

Among Charleston's amazing 19 exclusives were the previously mentioned King Rail and Swamp Sparrow, as well as Clapper Rail, Black Skimmer, American White Pelican, Least Tern, Marbled Godwit, Glossy Ibis, Red-cockaded Woodpecker, and Mottled Duck.

Cherokee County (CHER): 69 species, 3888 individuals.

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

Participants: Claude Cobb, Ken Garrett, J. B. Hines, Karla Lavender, Scott Lavender, John Martin, Maxi Nix, Tina Pearsall, Alan Rose, Ed Wilde, Les Young

Cherokee was the only county reporting an early Yellow-bellied Sapsucker, as well as the previously mentioned large number of Chimney Swifts. Among other interesting species reported by Cherokee County were Blackpoll Warbler and Magnolia Warbler.

Chester County (CHES): 40 species, 617 individuals.

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

Participants: Gail B. Ice, Gail C. Ice

Chester had a nice exclusive in Northern Harrier. Also interesting to find as far inland as Chester County was Spotted Sandpiper. A somewhat early Pied-billed Grebe was also reported by Chester County.

Colleton County (COLL): 79 species, 1518 individuals.

Coordinator: Sharon Brown
PO Box 327
Adams Run, SC 29426
843-889-8299

Participants: Sharon Brown

Despite the difficulty of conducting a one-person count on a quiet day, Colleton County still reported two exclusives, Gull-billed Tern and Short-billed Dowitcher. Colleton County also reported some nice migrating warblers, American Redstart and Black-throated Blue Warbler, and four frustratingly silent empids.

Greenville County (GREE): 94 species, 4400 individuals.

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

Participants: Elaine Brown, Preston Davies, Harry Davis, Elizabeth Galloway, Charles Jones, Linda Jones, Len Kopka, Jane Kramer, Eric McFalls, James McRucken, Cole Perry, Hilda Rees, Linda Sharp, Norm Sharp, Paul Shewmaker, Donna Slyce

Among Greenville County's nine exclusives were species generally present year-round in the mountains, Blue-headed Vireo and Dark-eyed Junco. Also exclusive to Greenville County were Black-billed Cuckoo, Willow Flycatcher, Warbling Vireo, Cedar Waxwing, and Blackburnian Warbler.

Hampton County (HAMP): 62 species, 514 individuals.

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

Participants: Jerry Raymond

Hampton County's exclusive was an excellent bird for count day, a Kentucky Warbler. In the same brush pile as the Kentucky Warbler was also a really nice-to-find Wilson's Warbler. And the finishing touch on a nice day of warblers in the Lowcountry was a Tennessee Warbler. All were seen at Webb WMA.

Lexington County (LEXI): 63 species, 1249 individuals.

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

Participants: Andrea Ceselski

Lexington County reported an excellent *Empidonax* to find at any time in the state, a Least Flycatcher.

Orangeburg County (ORAN): 37 species, 274 individuals.

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

Participants: Andy Dapkins, Steve Dennis, Ida Frueh, Paul Frueh, Steve Tracey

Despite the limited duration and scope of coverage of two hours surveying the Orangeburg sod farm area, Orangeburg County still reported three nice exclusives: American Bittern, Upland Sandpiper, and Buff-breasted Sandpiper.

Spartanburg County (SPAR): 95 species, 4001 individuals.

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

Participants: Laura Bannon, David Barry, Drew Barry, John Barry, Susan Barry, Anna Bennett, Susan Bennett, Tim Brown, Lawanna Campnell, Sarah Campbell, Elaine Cheek, Dan Codispoti, Linda Deahl, Richard Deahl, Charles Earl, Glenn Englehardt, Tim Foster, Robin Gilman, John Green, Dennis Funk, Conway Henderson, Connie Jenne, Ron Jenne, Joel Jones, Herb Kay, Tammy King, Edwin Marotte, Mary Ann Myers, Angela Miller, Mike Miller, Jim Miller, Margaret Miller, Moss Miller, Sam Miller, Bill Moody, Virl Momier, Jack Mulvaney, Nancy Owens, Bob Powell, Sandra Powell, Ginny Scott, Walton Scott, Genevieve Sullivan, Laurel Sullivan, Gerald Thurmond, John Turner, M. B. Ulmer

Spartanburg County reported an excellent number of exclusives. Several of Spartanburg's exclusives were somewhat early including Green-winged Teal, Ruby-crowned Kinglet, Yellow-rumped Warbler, and White-throated Sparrow. Also exclusive to Spartanburg County were Worm-eating Warbler, Nashville Warbler, and lingering Purple Martin.

Sumter County (SUMT): 95 species, 4001 individuals.

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

Participants: Ward N. Moon

Sumter County reported a very nice exclusive, a somewhat late Mississippi Kite. Sumter County also reported a nice-to-find migrant, Northern Waterthrush, and a nice-to-find at the inland location species, White Ibis.

Table 3 North American Migration Count in South Carolina 21 September 2002

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Pied-billed Grebe				9		1			7			2	1	20	5
American White Pelican				43										43	1
Brown Pelican				188			17							205	2
Double-crested Cormorant	1			34	3	20		2	1			3		64	7
Anhinga	2			23			7		1				7	40	5
American Bittern											1			1	1
Great Blue Heron	7	2	1	33	3	35	5	4	4	2		17	6	119	12
Great Egret	5	8		215		40	26		18				14	326	7
Snowy Egret	2	58		91			21		1				2	175	6
Little Blue Heron	3	3		36			11		7					60	5
Tricolored Heron		5		49			9							63	3
Cattle Egret	151			37					23					211	3
Green Heron	2	3				1	2	3				2		13	6
Black-crowned Night-Heron				44			1							45	2
Yellow-crowned Night-Heron				17										17	1
White Ibis		35		223			12						7	277	4
Glossy Ibis				3										3	1
Wood Stork		3		254										257	2

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Black Vulture	31		2	18	7	10	2					1	2	73	8
Turkey Vulture	15		3	65	10	9	19		54	15	9	19	18	236	11
Canada Goose	71				27	16	3	22		11		158	111	419	8
Wood Duck	8			284		1		15		7		13	2	330	7
Mallard	45			5	3			23	9	6		150	50	291	8
Mottled Duck				25										25	1
Blue-winged Teal				269								5		274	2
Green-winged Teal												1		1	1
Osprey		2		12	2	2						3	2	23	6
Mississippi Kite													3	3	1
Bald Eagle	1			5			2		3	1				12	5
Northern Harrier						1								1	1
Sharp-shinned Hawk	1			2	2							2		7	4
Cooper's Hawk				3			1	2				1		7	4
Red-shouldered Hawk	17		1	8	2	2	4	3		2		7	1	47	10
Broad-winged Hawk	1				1									2	2
Red-tailed Hawk	8			5	6	3	2	3		3	1	10	2	43	10
American Kestrel	5		1		1	2	1	1	2	3		2	14	32	10
Merlin	1			3										4	2
Wild Turkey	9				8		1	11		3		5		37	6
Northern Bobwhite			1		3			1				3		8	4

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Clapper Rail				125										125	1
King Rail				1										1	1
Common Moorhen		8		151			9		50					218	4
American Coot				1		4		9	2					16	4
Black-bellied Plover				15										15	1
Semipalmated Plover				19			1							20	2
Killdeer	37		2	30	4	3		9	5	3	23	17	7	140	11
American Oystercatcher				48										48	1
Greater Yellowlegs	5			16			172						1	194	4
Lesser Yellowlegs	5						34							39	2
Solitary Sandpiper	2													2	1
Willet				19										19	1
Spotted Sandpiper	5			3		2						3		13	4
Upland Sandpiper											1			1	1
Marbled Godwit				10										10	1
Ruddy Turnstone				4										4	1
Sanderling				106			28							134	2
Semipalmated Sandpiper	2						13							15	2
Western Sandpiper				80										80	1
Least Sandpiper	40			5			5							50	3
peep sp.				40										40	1

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Pectoral Sandpiper							8				42			50	2
Dunlin				3										3	1
Buff-breasted Sandpiper											26			26	1
Short-billed Dowitcher							14							14	1
Laughing Gull		3		646			284							933	3
Ring-billed Gull				1419			5					3		1427	3
Herring Gull				2										2	1
Gull-billed Tern							2							2	1
Caspian Tern				11			1							12	2
Royal Tern				61			15							76	2
Forster's Tern				28			9		2					39	3
Least Tern				16										16	1
Black Skimmer				101										101	1
Rock Pigeon	35		35	120	15	15	10	226	2	21	10	144	1	634	12
Eurasian Collared-Dove			1	14			8				1			24	4
Mourning Dove	223	7	13	32	37	100	18	231	51	201	23	272	31	1239	13
Black-billed Cuckoo								1						1	1
Yellow-billed Cuckoo	6			6			2	3		1				18	5
Eastern Screech-Owl	4		4		2			2		1		1	1	15	7
Great Horned Owl				4				2				1		7	3
Barred Owl	2		7	7	1			2		1		3		23	7

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Common Nighthawk				7				1				10		18	3
Whip-poor-will					2	2								4	2
Chimney Swift	87		73	164	3006	5		228	3	29		747	31	4373	10
Ruby-throated Hummingbird	6			21	15			44	5	6	1	99	7	204	9
Belted Kingfisher	3	2		27	2	6	4	6	2	3		15		70	10
Red-headed Woodpecker	22		1	14	3		2		2		1		2	47	8
Red-bellied Woodpecker	61	2	7	59	8	2	14	42	2	34	1	44	7	283	13
Yellow-bellied Sapsucker					2									2	1
Downy Woodpecker	24	3	4	37	10	1	11	21	2	12	1	28	7	161	13
Hairy Woodpecker	3		1	1	1	1	2			1		6		16	8
Red-cockaded Woodpecker				7										7	1
Northern Flicker	7		1	6	3		2	7		2		19	1	48	9
Pileated Woodpecker	27		3	46	5	3	8	18	1	3		12	1	127	11
Eastern Wood-Pewee	17		1	7			2	8	2	9		8	1	55	9
Acadian Flycatcher	5		1											6	2
Willow Flycatcher								1						1	1
Least Flycatcher										1				1	1
Empidonax sp.							4	1						5	2
Eastern Phoebe	1				8	8		25		5		25		72	6
Great Crested Flycatcher	4			1			1							6	3
Eastern Kingbird	1		1	21			13				3	2		41	6

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Loggerhead Shrike	5		1	8			1		1	6	1	1	3	27	9
White-eyed Vireo	50	1	18	56	5		23	3	4	15	2	5	8	190	12
Yellow-throated Vireo	1			1			1	1				1		5	5
Blue-headed Vireo								5						5	1
Warbling Vireo								1						1	1
Red-eyed Vireo	22		7	16			1	6	3			6	2	63	8
Blue Jay	143	3	49	97	47	12	14	156	6	92	10	177	18	824	13
American Crow	165	6	10	135	65	50	32	161	46	50	18	213	4	955	13
Fish Crow	35		1	118			1		6				3	164	6
crow sp.	31								24				3	58	3
Horned Lark			62								15			77	2
Purple Martin												1		1	1
Tree Swallow				170							1		10	181	3
Northern Rough-winged Swallow	116		2	1							10		1	130	5
Bank Swallow	10													10	1
Barn Swallow	48		2	103							30	5		188	5
Carolina Chickadee	116	17	16	127	34		44	92	5	51	2	110	10	624	12
Tufted Titmouse	127	7	5	125	29	4	35	119	12	30	3	85	34	615	13
White-breasted Nuthatch	50			8	3		28	6	4	1		16	2	118	9
Brown-headed Nuthatch	33		1	23	2	7	14	18	1	11		9	3	122	11
Carolina Wren	84	5	27	94	16	10	18	68	3	40	5	61	31	462	13

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
House Wren				1				1				4		6	3
Marsh Wren				10										10	1
Ruby-crowned Kinglet												5		5	1
Blue-gray Gnatcatcher	8			25			6	1	2	4	1	6	4	57	9
Eastern Bluebird	49	7	1	44	51	8	8	66	10	42	2	80	12	380	13
Veery	4		3	4				8						19	4
Gray-cheeked Thrush			2					6						8	2
Swainson's Thrush			19		1			17						37	3
Hermit Thrush	2													2	1
Wood Thrush			1					14				4		19	3
American Robin	26				40			213		6		106	30	421	6
Gray Catbird	22			6	3			11	2	4		19		67	7
Northern Mockingbird	109	2	55	165	34	30	12	102	16	94	8	87	28	742	13
Brown Thrasher	41		6	20	6	2	3	33	1	9		20	6	147	11
European Starling	309		19	90	194	150	7	360	10	48	1	470	5	1663	12
Cedar Waxwing								3						3	1
Blue-winged Warbler	1							2						3	2
Golden-winged Warbler	2							2						4	2
Tennessee Warbler	1							3	1	2		1		8	5
Nashville Warbler												2		2	1
Northern Parula	15		13	5			7	2	6	7			11	66	8

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Yellow Warbler				5								5		10	2
Chestnut-sided Warbler	5							8				4		17	3
Magnolia Warbler	5			1	8			17		2		6		39	6
Cape May Warbler								3						3	1
Black-throated Blue Warbler							4	3		1				8	3
Yellow-rumped Warbler												12		12	1
Black-throated Green Warbler												1		1	1
Blackburnian Warbler								7						7	1
Yellow-throated Warbler				1	1		2	1	2				2	9	6
Pine Warbler	67	1	6	96	24	25	76	2	15	18	1	14	1	346	13
Prairie Warbler				7									1	8	2
Palm Warbler	1	1		4	12			3		1	1			23	7
Blackpoll Warbler	1				3									4	2
Black-and-white Warbler	12		1		1		1	13		1		2		31	7
American Redstart	34	1		8	3		3	5	2	14		7	7	84	10
Worm-eating Warbler												1		1	1
Ovenbird								2				2		4	2
Northern Waterthrush	2			3									1	6	3
Kentucky Warbler									1					1	1
Common Yellowthroat	4		3	44	2		20	3	4	2	3	7		92	10
Hooded Warbler	8			1				3					2	14	4

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Wilson's Warbler								1	1					2	2
Yellow-breasted Chat							2	2				1		5	3
warbler sp.								2						2	1
Summer Tanager	9		2	6					1	3	1	4		26	7
Scarlet Tanager	3		1		4			2				1		11	5
Eastern Towhee	38			26	2		22	16	3	15		28		150	8
Chipping Sparrow	4			11	10	12		42		22		20		121	7
Field Sparrow					8			23	1	1		6		39	5
Grasshopper Sparrow								2						2	1
Song Sparrow				3	1			1				7		12	4
Swamp Sparrow				1										1	1
White-throated Sparrow												10		10	1
Dark-eyed Junco								16						16	1
Northern Cardinal	128	17	58	183	22	7	18	161	13	149	6	133	38	933	13
Rose-breasted Grosbeak	1							3				1		5	3
Blue Grosbeak	29				1			3	1	3		1		38	6
Indigo Bunting	45		4	13	3			12	2			6		85	7
Painted Bunting		2		16					2					20	3
Bobolink			1											1	1
Red-winged Blackbird	202		30	323			34	105	6			6	2	708	8
Eastern Meadowlark	2				9						8	35		54	4

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
Hours bike	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0.5	
Hours other	0	0	0	4.5	0	0	0	0	0	0	0	0	0	4.5	
Miles foot	14	1	2	20.8	7.5	4		25	10	-	0	23	5	112.3	
Miles car	177	0	49	169	97	20+		213	137.5	191.5	6	309	80	1429	
Miles boat	0	0	0	8	0	0	0	0	0	0	0	10	0	18	
Miles canoe/kayak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Miles bike	0	1.5	0	0	0	0	0	0	0	0	0	0	0	1.5	
Miles other	0	0	0	3.5	0	0	0	0	0	0	0	0	0	3.5	
Hours Feeder Watch	2.25	0	0	8	5.5	0	0	16.25	0	0	0	66.5	0.1	98.6	
#Feeder Watchers	4	0	0	3	6	0	0	8	0	0	0	30	1	52	
#Feeder Stations	6	0	0	5	4	0	0	8	0	0	0	18	2	43	
Hours Stationary	0	0	0	4	0	0	0	0	0	0	0	0	0.5	4.5	
#Parties Stationary	0	0	0	3	0	0	0	0	0	0	0	0	2	5	
#Observers Stationary	0	0	0	5	0	0	0	0	0	0	0	0	3	8	
Hours Owling	0.75	0	2.5	1.5	0.25	1.5	0	1.25	0	0	0	1.5	0	9.25	
Miles Owling	7	0	26	1	1	-	0	0	0	0	0	2	0	37	

	AIKE	BEAU	CALH	CHAR	CHER	CHES	COLL	GREE	HAMP	LEXI	ORAN	SPAR	SUMT	TOTAL	# Counties Reporting
#parties owling	1	0	1	2	1	-	0	2	0	0	0	4	0	11	
#observers owling	1	0	1	3	3	-	0	0	0	0	0	5	0	13	
TIME START	6:00	8:00	4:00	4:30	6:00	6:00	7:15	6:30	6:45	8:30	14:00	6:00	6:55		
TIME STOP	18:30	10:30	13:00	18:30	22:00	16:00	19:30	18:00	17:00	18:00	16:00	22:00	16:40		
TEMPERATURE: PRE-DAWN	65	-	68	77	71	-	-	68	-	69	-	71	-		
DAWN	68	78	72	78	70	68	68	-	66	69	-	70	70		
AM	74	84	74	80	72	80	70	70	80	70	-	72	80		
NOON	80	-	87	85	72	91	85	71	85	80	-	72	84		
PM	86	-	-	80	72	80	87	72	89	87	93	72	88		
SUNSET	76	-	-	78	69	-	-	70	-	84	-	69	-		
NIGHT	74	-	-	-	69	-	-	-	-	-	-	69	-		
WIND: PRE-DAWN	0	0	0	0	1	-	-	0	-	0	-	1	1		
DAWN	0	0	0	0	1	1	0	0	0	0	-	2	0		
AM	0	0	0	2	2	1	2	0	0	0	-	2	1		
NOON	1	-	1	2	1	1	2	0	0	0	-	2	1		
PM	1	-	-	2	1	1	2	0	0	0	1	1	1		
SUNSET	0	-	-	2	1	-	-	0	-	0	-	1	-		
NIGHT	0	-	-	-	0	-	-	-	-	0	-	0	-		

