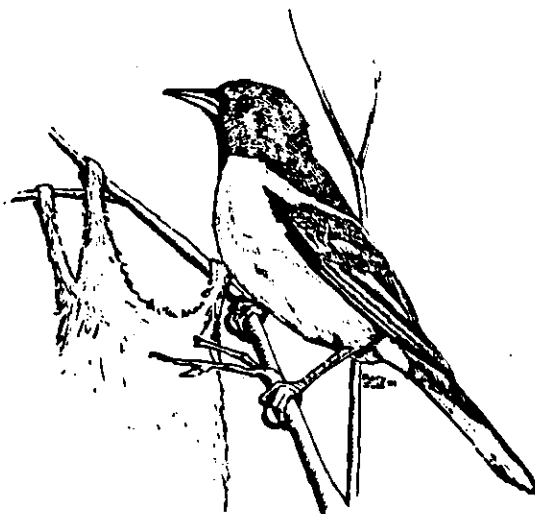


ILLINOIS BREEDING BIRD ATLAS
1990 ANNUAL REPORT



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DUNDEE, ILLINOIS

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1990 ILLINOIS BREEDING BIRD REPORT

Job 1. DATA ENTRY AND EDITING.

During 1990-91, data were received from 15 new counties plus updated materials from 42 other counties. Data have now been received from 98 of the state's 102 counties and 906 of the 1,010 assigned priority blocks. In addition, data from 105 non-priority blocks, for a total of 1,011 blocks (Table 1), have been received. Additional data from 113 non-priority blocks have been key punched but await editing before they are incorporated into the data base.

In April, a letter, reports (block summary, county summary, and detailed county summary), and a list of observers from each county were sent to all county coordinators asking that they review the information they received and return a letter

- (1) verifying that all data were correct;
- (2) pointing out any discrepancies; and
- (3) responding to requests regarding documentation, questionable records, or status.

Response to these requests has been disappointingly slow.

Response to these requests has been disappointingly slow.

Job 2. ANNUAL REPORT 1986-1990.

Data have been received from 98 of the 102 counties scheduled since 1986. Of the 1,010 priority blocks assigned, only 906 (89.6%) have reported any atlasing effort to date (Table 1). In addition, 105 non-priority blocks from 22 counties have been entered into the system but, as stated in Job 1 above, 113 non-priority blocks still await editing before incorporation into the system's data base.

In order to assure that each block receives adequate coverage 2 criteria were developed by the Project Coordinator-- Minimum Standard (MS) and Potential Standard (PS). The Minimum Standard (the least demanding) criterion is based on having ≥ 50 species recorded in a status category higher than OB (Observed), and with $\geq 50\%$ of these species being in status category CO (Confirmed). Potential Standard (PS) is based upon a projected number of species that could be expected to be found in a particular block. This number was subjectively selected, based on the apparent diversity of habitats thought to be present in each block. Habitat diversity was determined by examining each

topographic map and using features identified (i.e., streams, wetlands, woodlands) to estimate the number of potential bird species. To meet this standard, the number of species recorded must meet or exceed the potential number of species identified, and $\geq 50\%$ of the projected species must be reported as confirmed. Only 235 (25.9%) of the blocks have met the MS criteria, an increase of 59% from 1989, while 117 (12.9%) have achieved the PS, also an increase from 1989 (Table 2).

Some 30 counties are missing 1 or more priority blocks. These missing priority blocks total 104 (Tables 1 & 4, Figure 1). Included in this total are 4 counties (Galatin, Hamilton, Rock Island, and White) that have not been surveyed to date.

Interest in this project remains high. Nearly 820 individuals have spent 27,140 observer hours (Table 1) afield recording their observations. A total of 55,735 status records has been received through 1990, representing 206 species (Tables 1 & 3).

Confirmed reports constitute 42% of all records in the data base and 165 species. This represents a significant increase over the total from 1989 (15,586 [38.4%] of all records and 161 species) (Table 1 and 3). Nearly 27% of the observations are for status category PR (Probable).

Forty-one (41) counties have 100 or more species reported, with 3 counties -Vermilion (119), Will (115), and Winnebago (105)- having over 100 species confirmed (Table 1). Two priority blocks have over 100 species confirmed- Vermillion's Danville NW with 109 species confirmed and Winnebago's Cherry Valley with 100 species. Several reported species and status categories await clarification, but most appear accurate.

Forty-nine species (23.8% of the 206 species) were reported from ≤ 5 blocks while 26 widely distributed species were reported from 75% (≥ 758) of the blocks. Seven of these widely distributed species were Mourning Dove, Barn Swallow, American Robin, Northern Cardinal, Indigo Bunting, Red-Winged Blackbird, Common Grackle, and House Sparrow and were reported in over 90% of the blocks (Table 3).

On a county basis, 22 species were found in all 98 counties with an additional 33 species occurring in 90 or more counties. These widespread species include Red-tailed Hawk, Killdeer, Mourning Dove, Rock Dove, American Robin, Northern Cardinal, Song Sparrow, and Eastern Meadowlark. Sixty-three (63) species that have been found in \leq 10 counties include Common Loon, American Bittern, Peregrine Falcon, Common Barn Owl, Golden-crowned Kinglet, Clay-colored Sparrow, Henslow's Sparrow, and Pine Siskin.

The Center for Biodiversity at the Illinois Natural History Survey has been working with the Department of Conservation and the Max McGraw Wildlife Foundation in developing programs to prepare distribution maps of Illinois breeding birds using Atlas data. Attached as Figures 2, 3, 4, and 5 are examples of the type of map currently available. Species mapped are Black-crowned Night-Heron, Northern and Orchard Orioles, and Red-breasted Grosbeak. These maps are based upon data received through 1989 and were supplied by Ms. Lian Suloway.

JOB 3. PREPARATION OF MAPS AND MATERIALS FOR 1990 FIELD SEASON.

Because of poor coverage or lack of coverage, special block-busting weekends and contracts for special atlasing efforts by professional ornithologists were developed by the Project Coordinator. Data and maps were provided to the Project Coordinator and to participants in this special effort. Counties or blocks involved in these special activities are outlined in Figure 1.

JOB 4. IDENTIFICATION OF PROBLEMS.

A continuing problem is the slow and low response of County Coordinators to requests for additional information and editing requests. Steps to correct this problem need to be developed so that the final report and work on Atlas publication may proceed in a timely fashion.

JOB 5. PUBLIC INFORMATION PROGRAM.

Data collected during the Atlas Project have been requested by agencies in Illinois as well as out of state. Agencies or private conservation organizations requesting Atlas data include U.S. Fish and Wildlife Service, Smithsonian Institution, Illinois

Department of Transportation, Illinois Natural History Survey (Center for Biodiversity and Center for Wildlife Ecology), Southern Illinois University's Cooperative Wildlife Research Laboratory and National Wildlife Federation. Besides these agencies, several private groups have requested data including one environmental engineering firm.

The Center for Biodiversity, Illinois Natural History Survey has used the Atlas data to develop a poster display for the Geographical Information System Workshop held in conjunction with the 52nd Midwest Fish and Wildlife Conference held in Minneapolis, Minnesota (December 2-5, 1990). The title of this poster, developed by Ms. Lian Suloway and Ms. Pattie Maulberg, was "Illinois Breeding Bird Atlas."

Table 1. Summary of 1986-90 Breeding Bird Atlas effort.

County	Year	Priority Blocks			Number Records			# Species Recorded	# Species Confirmed	Total Effort ^d
		A ^a	S ^b	NP ^c	%CO	%PR				
Adams *	86	19	18	0	1076	36	30	122	71	818.8
Alexander	88	7	7	0	458	58	19	102	74	324.3
Bond	90	6	6	0	372	39	28	85	50	63.0
Boone	87	6	3	0	107	18	22	59	12	22.0
Brown	89	5	5	0	332	48	38	93	62	41.0
Bureau *	88	18	18	0	900	42	26	103	68	341.1
Calhoun	87	7	2	0	113	40	26	60	26	40.0
Carroll	89	13	13	0	843	43	20	112	71	142.3
Cass *	87	6	6	0	363	32	29	92	47	54.7
Champaign *	86	16	16	7	1050	51	24	109	84	441.3
Christian	90	11	9	0	474	33	30	86	51	165.0
Clark *	90	12	12	0	766	37	29	100	63	254.3
Clay	90	6	6	0	420	59	7	95	65	80.0
Clinton *	89	8	8	0	585	47	28	99	64	76.5
Coles *	86	9	9	0	629	45	36	108	72	466.4
Cook	86	17	17	0	911	44	22	143	81	813.4
Crawford	88	6	6	0	322	41	28	93	60	168.0
Cumberland	90	7	7	0	395	41	20	86	50	105.0
DeKalb *	87	8	8	3	421	44	28	86	59	146.1
DeWitt *	88	7	7	0	336	38	40	90	45	151.0
Douglas *	87	8	8	1	776	48	28	97	61	136.7
DuPage	86	6	6	0	345	53	17	109	71	486.0
Edgar	90	10	10	0	413	33	13	79	42	111.0
Edwards *	88	6	6	0	286	34	19	71	33	345.3
Effingham *	89	9	9	0	367	29	22	73	31	62.0
Franklin *	90	8	8	0	479	31	27	96	52	91.2
Fayette	89	13	11	0	779	38	25	103	66	134.0
Ford	88	9	9	0	410	39	40	81	45	93.0
Fulton *	87	15	13	0	833	35	30	108	67	443.8
Gallatine		5	0	0	0			0		
Greene *	88	11	8	0	516	42	31	101	55	205.3
Grundy *	87	7	7	3	320	41	19	89	57	88.4
Hamilton		6	0	0	0			0		
Hancock *	87	13	13	0	812	38	24	108	63	273.1
Hardin	89	4	4	0	259	20	43	92	33	69.0
Henderson	87	10	8	0	406	14	28	86	31	88.3
Henry	90	14	10	0	506	34	21	85	56	113.2
Iroquois *	88	20	17	0	857	36	31	95	64	236.5
Jackson *	86	11	10	1	676	33	31	123	80	541.6
Jasper	88	8	8	0	404	29	37	98	53	108.0

Table 1 (continued). Summary of 1986-90 Breeding Bird Atlas effort.

County	Year	Priority Blocks			Number Records		# Species Recorded	# Species Confirmed	Total Effort ^d	
		A ^a	S ^b	NP ^c	%CO	%PR				
Jefferson	88	12	11	0	561	27	21	86	45	43.5
Jersey *	87	5	5	0	320	38	46	90	45	132.0
Jo Daviess *	89	11	10	0	701	48	27	111	84	406.1
Johnson *	90	7	7	0	528	28	25	106	62	197.8
Kane *	86	9	9	10	730	59	23	131	96	1121.6
Kankakee *	88	12	11	5	684	36	29	113	68	686.8
Kendall *	87	6	6	0	220	27	15	85	40	115.1
Knox *	88	9	9	8	654	28	47	119	61	176.3
Lake *	86	9	9	0	643	44	29	119	67	518.0
La Salle *	87	20	20	4	1013	25	33	122	79	320.2
Lawrence *	86	6	2	0	127	32	47	75	32	39.0
Lee	90	12	12	2	794	42	26	123	74	166.0
Livingston *	87	17	17	0	604	39	19	92	49	506.4
Logan	90	12	9	0	395	30	27	78	49	61.1
Macon *	86	9	9	0	468	39	37	100	56	258.0
Macoupin	89	16	6	0	277	6	30	71	12	46.5
Madison *	86	14	14	0	870	34	37	120	71	263.8
Marion	90	12	7	0	410	27	23	85	44	96.8
Marshall *	88	8	8	0	453	49	32	98	68	168.0
Mason *	87	8	8	0	444	31	32	96	54	119.3
Massac	90	5	4	0	274	24	28	91	35	63.8
McDonough *	86	12	12	2	829	43	25	101	75	776.3
McHenry *	86	12	12	1	815	52	29	116	90	413.3
McLean *	86	25	25	3	1517	73	15	108	95	1678.8
Menard *	89	7	7	0	441	50	25	92	67	228.0
Mercer *	88	13	11	1	666	30	30	98	61	143.0
Montgomery	90	11	11	1	631	34	23	95	66	330.6
Monroe	88	7	4	0	829	27	55	87	39	70.0
Morgan *	87	10	10	0	595	35	36	93	61	80.9
Moultrie	87	3	3	0	203	51	30	100	58	207.3
Ogle *	87	16	16	0	930	38	25	105	72	330.2
Peoria *	86	15	15	2	965	35	29	120	72	606.0
Perry	89	6	6	0	442	53	31	80	57	71.0
Piatt *	87	11	11	1	518	40	30	89	49	173.5
Pike	87	17	11	0	671	29	47	104	59	124.5
Pope *	89	8	8	0	567	32	29	108	71	150.3
Pulaski	88	3	3	0	188	52	22	76	49	46.3
Putnam *	89	4	4	0	233	21	27	82	29	66.8
Randolph	89	14	13	0	612	54	22	91	55	109.5
Richland	87	6	2	0	153	51	31	83	49	29.0
Rock Island	87	7	0		0			0		
St. Clair *	86	12	12	1	758	31	34	114	64	271.9
Saline	88	4	3	0	183	30	39	90	36	107.5

Table 1 (continued). Summary of 1986-90 Breeding Bird Atlas effort.

County	Year	Priority Blocks			Number Records			# Species Recorded	# Species Confirmed	Total Effort ^d
		A ^a	S ^b	NP ^c	%CO	%PR				
Sangamon *	89	16	16	0	877	43	18	96	68	192.4
Schuyler *	89	7	4	0	224	25	29	67	27	136.7
Scott *	88	4	4	0	212	18	31	71	23	25.0
Shelby *	88	12	12	0	859	70	16	112	87	522.0
Stark	89	5	5	0	251	22	18	69	31	47.0
Stephenson *	86	8	8	0	428	48	19	90	64	294.9
Tazewell *	86	10	8	0	674	46	29	111	80	340.8
Union	88	8	7	0	473	60	14	110	87	638.0
Vermilion *	86	15	15	6	1243	71	13	132	119	1287.1
Wabash *	88	5	5	0	292	25	31	100	37	205.5
Warren *	86	11	11	0	667	30	44	89	51	188.3
Washington	90	8	8	0	502	36	18	91	57	80.0
Wayne	90	12	12	0	795	54	13	96	66	165.0
White		11	0	0	0			0		
Whiteside	88	10	6	2	361	44	30	95	64	106.5
Will *	87	17	17	20	1290	50	28	146	115	1532.3
Williamson	87	8	8	0	544	51	13	100	73	103.2
Winnebago *	87	10	10	15	1697	48	28	147	107	1201.5
Woodford	88	7	7	0	346	52	30	83	64	175.0
Totals		1010	906	105	55735	42	27	206	165	27140.1

* Counties with updated data received during 1990.

^a Number of priority blocks assigned.

^b Number of priority block surveyed.

^c Number of non-priority blocks with data entered in system.

^d Effort measured in observer hours.

Table 2. Priority blocks meeting standards of adequate coverage during 1986-90.

Counties	Priority Blocks		No. Meeting	
	Assigned ^a	Survey ^b	Min. Std. ^c	Projected Std. ^d
Adams	19	16	4	1
Alexander	7	7	7	1
Bond	6	6	1	3
Boone	6	3	0	0
Brown	5	5	2	0
Bureau	18	18	2	2
Calhoun	7	2	0	0
Carroll	13	13	3	2
Cass	6	6	0	0
Champaign	16	16	9	9
Christian	11	9	1	0
Clark	12	1	2	2
Clay	6	6	6	0
Clinton	8	3	3	1
Cole	9	9	4	4
Cook	17	17	4	1
Crawford	6	6	1	0
Cumberland	7	7	1	0
DeKalb	8	8	1	1
Dewitt	7	7	0	0
Douglas	8	8	4	4
DuPage	6	6	2	1
Edwards	6	5	0	0
Effingham	9	7	0	0
Fayette	13	11	1	0
Ford	9	9	0	0
Fulton	15	10	3	0
Greene	11	4	2	0
Grundy	7	7	1	0
Hancock	13	12	1	2
Hardin	4	4	0	0
Henderson	10	8	0	0
Iroquois	20	9	0	0
Jackson	11	9	2	2
Jasper	8	8	0	0
Jefferson	12	11	0	0
Jersey	5	5	0	0
JoDaviess	11	10	5	5
Johnson	7	2	0	0
Kane	9	9	8	3
Kandakee	12	9	0	0
Kendall	6	6	1	0

Table 2 continued. Priority blocks meeting standards of adequate coverage during 1986-90.

Counties	Priority Blocks		No. Meeting	
	Assigned ^a	Survey ^b	Min. Std. ^c	Projected Std. ^d
Knox	9	9	0	0
Lake	9	9	5	0
LaSalle	20	20	2	0
Lawrence	6	1	0	0
Lee	12	12	3	2
Livingston	17	17	1	1
Macon	9	9	0	0
Macoupin	16	6	0	0
Madison	14	12	2	0
Marshall	8	4	2	1
Mason	8	8	1	0
McDonough	12	12	3	0
McHenry	12	12	7	1
McLean	25	25	14	11
Menard	7	5	5	5
Mercer	13	11	1	0
Monroe	7	4	0	0
Montgomery	11	11	2	1
Morgan	10	7	1	1
Moultrie	3	3	2	2
Ogle	16	16	2	1
Peoria	15	15	3	0
Perry	6	6	5	0
Piatt	11	11	1	1
Pike	17	11	0	1
Pope	8	8	0	0
Pulaski	3	3	3	0
Putnam	4	4	0	0
Randolph	14	13	10	2
Richland	6	2	2	0
Rock Island	7	0	0	0
Saline	4	3	0	0
Sangamon	16	16	5	1
Schular	7	4	0	0
Scott	4	4	0	0
Shelby	12	12	9	8
Stark	5	5	2	2
St. Clair	12	9	1	0
Stephenson	8	8	6	1
Tazewell	10	8	3	2
Union	8	7	5	1
Vermilion	15	15	11	9

Table 2 continued. Priority blocks meeting standards of adequate coverage during 1986-90.

Counties	Priority Blocks		No. Meeting	No. Meeting
	Assigned ^a	Survey ^b	Min. Std. ^c	Projected Std. ^d
Wabash	5	5	0	0
Warren	11	11	1	0
Washington	8	8	3	1
Wayne	12	12	10	0
White	11	0	0	0
Whiteside	10	6	2	1
Will	17	17	6	5
Williamson	8	8	3	1
Winnebago	10	10	7	7
Woodford	7	7	5	2
Totals	1010	906	235	117

^a Number of assigned priority blocks.

^b Number of assigned priority blocks which were surveyed.

^c Number of assigned priority blocks meeting minimum standard of coverage (≥ 50 species in status greater than OB and $\geq 50\%$ CO status).

^d Number of assigned priority blocks meeting the projected total species and with $\geq 50\%$ in status CO.

Table 3. Priority blocks missing from data base after 1990.

ADAMS
Quincy West 165B3 (P)*

CALHOUN
Foley 197C3 (P)
Grafton 222B3 (P)
Hamburg 197B3
Nutwood 197D3

FAYETTE
Bingham 203C3

GALLATIN
Equality 274A3
New Haven SW 260C3
Ridgway 261D3
Shawneetown 275B3
Wabash Island, KY 260D3

HAMILTON
Belle Prairie City 256A3
Broughton 261B3
Bungay 257B3
McLeansboro 256D3
Thackeray 257C3
Wallpole 262A3

IROQUOIS
Clifton 087Be
La Hogue 088D3
Piper City NE 088A3

JO DAVIESS
Green Island, IA 019A3 (P)

LAWRENCE
Birds 211C3
Chauncey 212D3
Lawrenceville 235B3
Summer 234A3

BOONE
Capron 010B3
Garden Prairie 010C3
Riley 026B3

CHRISTIAN
Assumption 175D3
Kincaid 174C3

FULTON
Ipava 128D3
Smithfield 128A3

GREENE
Athensville 192B3
Pearl East 194A3
Roodhouse West 193B3

HENDERSON
Keithsburg 072C3 (P)
Oquawka 099B3 (P)

HENRY
Andover 067D3
Galva 075A3
Green Rock 067A3
Kewanee South 076B3

JACKSON
Vergennes 265A3

JEFFERSON
Shields 241B3

KANKAKEE
Buckingham 083C3
Herscher 083D3

LOGAN
Armington 124A3
Latham 156B3
Lincoln East 142A3
Waynesville West 143B3

Table 3 (continued). Priority blocks missing from data base after 1990.

MACOUPIN
Bunker Hill 200C3
Farmersville 190B3
Gillespie North 200A3
Gillespie South 200D3
Litchfield 201B3
Mount Olive 201C3
Plainview 200B3
Shipman 199D3
Summerville 199A3

MONROE
Columbia 247B3
Paderborn 247D3
Selma 249A3

RICHLAND
Claremont 234B3
Landes 212C3
Noble 233B3
Wakefield 213C3

SALINE
Eldorado 261C3

SCHUYLER
Beardstown 138C3

UNION
Ware 281B3 (P)

WHITESIDE
Clinton, IA 041C3 (P)
Hahnaman 047B3
Tampico 046A3

MARION
Kinmundy 216D3
Omega 230A3
Oskaloosa 215C3
Patoka 217D3
St. Paul 216C3

MASSAC
Reesville 278C3

PIKE
Barry 167A3
Baylis 168B3
Hanibal East, MO 166A3 (P)
Hull 167B3
Summer Hill 168C3

ROCK ISLAND
Andalusia 068B3
Coal Valley 067B3
Hillsdale 045C3
Illinois City 069B3
Milan 065A3
Montpelier 069A3
Port Byron 044D3

WHITE
Carmi 258C3
Centerville 258B3
Crossville 258D3
Emma 260A3
Enfield 257D3
Maunie 255D3
New Harmony, IN 259B3 (P)
New Haven 260B3
Norris City 261A3
Solitude, IN 259C3 (P)
Springerton 257A3

* (P) only part of block in state.

Table 4. Status of species reported during Illinois Breeding Bird Atlas 1986-90.

Species	# Recorded	# Confirmed		# Probable	# Counties
		(percentage)			
Common Loon	1 (0.1) ^a	0	0	0	1
Pied-billed Grebe	53 (5.2)	24 (2.4)	4 (0.4)	4 (0.4)	26
Double-crested Cormorant	28 (2.8)	2 (0.2)	2 (0.2)	2 (0.2)	15
American Bittern	9 (0.9)	0	1 (0.1)	1 (0.1)	8
Least Bittern	21 (2.1)	3 (0.3)	5 (0.5)	5 (0.5)	15
Great Blue Heron	494 (49.9)	20 (2.0)	19 (1.9)	19 (1.9)	95
Great Egret	97 (9.6)	3 (0.3)	2 (0.2)	2 (0.2)	43
Snowy Egret	8 (0.6)	0	1 (0.1)	1 (0.1)	5
Little Blue Heron	33 (3.3)	0	0	0	18
Tricolored Heron	1 (0.1)	0	0	0	1
Cattle Egret	38 (3.8)	2 (0.2)	0	0	21
Green-backed Heron	498 (49.3)	64 (6.3)	128 (12.7)	128 (12.7)	91
Black-crowned Night-Heron	71 (7.1)	5 (0.5)	1 (0.1)	1 (0.1)	26
Yellow-crowned Night-Heron	21 (2.1)	4 (0.4)	1 (0.1)	1 (0.1)	16
Mute Swan	17 (1.7)	3 (0.3)	4 (0.4)	4 (0.4)	12
Canada Goose	270 (26.7)	171 (16.9)	32 (3.2)	32 (3.2)	74
Wood Duck	430 (42.5)	263 (26.0)	71 (7.0)	71 (7.0)	92
Green-winged Teal	3 (0.3)	0	1 (0.1)	1 (0.1)	2
American Black Duck	2 (0.2)	0	1 (0.1)	1 (0.1)	2
Mallard	494 (48.8)	246 (24.3)	112 (11.1)	112 (11.1)	88
Northern Pintail	3 (0.3)	1 (0.1)	1 (0.1)	1 (0.1)	3
Blue-winged Teal	87 (8.6)	30 (3.0)	30 (3.0)	30 (3.0)	36
Northern Shoveler	3 (0.3)	0	0	0	3
Gadwall	1 (0.1)	0	0	0	1
American Wigeon	1 (0.1)	0	0	0	1
Redhead	1 (0.1)	0	0	0	1
Ring-necked Duck	4 (0.4)	0	0	0	3
Lesser Scaup	1 (0.1)	0	0	0	1
Common Goldeneye	1 (0.1)	0	1 (0.1)	1 (0.1)	1
Hooded Merganser	11 (1.1)	2 (0.2)	1 (0.1)	1 (0.1)	9
Common Merganser	3 (0.3)	0	0	0	1
Red-breasted Merganser	2 (0.2)	0	0	0	2
Ruddy Duck	11 (1.3)	3 (0.3)	1 (0.1)	1 (0.1)	8
Black Vulture	13 (1.3)	0	0	0	6
Turkey Vulture	439 (43.4)	16 (1.6)	24 (2.4)	24 (2.4)	87
Osprey	10 (1.0)	0	0	0	8
Mississippi Kite	10 (1.0)	3 (0.3)	2 (0.2)	2 (0.2)	6
Bald Eagle	14 (1.4)	3 (0.3)	0	0	11
Northern Harrier	64 (6.3)	5 (0.5)	5 (0.5)	5 (0.5)	31
Sharp-shinned Hawk	20 (2.0)	1 (0.1)	3 (0.3)	3 (0.3)	16
Cooper's Hawk	54 (5.3)	17 (1.7)	5 (0.5)	5 (0.5)	28
Red-shouldered Hawk	57 (5.6)	14 (1.4)	10 (1.0)	10 (1.0)	35

Table 4 (continued). Status of species reported during Illinois Breeding Bird Atlas 1986-89.

Species	# Recorded	# Confirmed	# Probable (percentage)	# Counties
Broad-winged Hawk	64 (6.4)	11 (1.0)	10 (1.0)	34
Swainson's Hawk	7 (0.7)	2 (0.2)	1 (0.1)	3
Red-tailed Hawk	717 (71.9)	137 (13.6)	188 (18.6)	98
American Kestrel	604 (59.7)	176 (17.4)	142 (14.0)	90
Merlin ? ^b	1 (0.1)	0	0	1
Peregrine Falcon	1 (0.1)	0	0	1
Gray Partridge	61 (6.0)	33 (3.3)	16 (1.6)	17
Ring-necked Pheasant	532 (52.6)	251 (24.8)	108 (10.7)	66
Ruffed Grouse	1 (0.1)	1 (0.1)	0	1
Greater Prairie-Chicken	1 (0.1)	1 (0.1)	0	1
Wild Turkey	117 (11.6)	39 (3.9)	13 (1.3)	51
Northern Bobwhite	658 (65.1)	151 (14.9)	361 (35.7)	95
King Rail	11 (1.1)	3 (0.3)	1 (0.1)	8
Virginia Rail	21 (2.1)	3 (0.3)	6 (0.6)	9
Sora	39 (3.9)	8 (0.8)	9 (0.9)	14
Common Moorhen	13 (1.3)	7 (0.7)	2 (0.2)	8
American Coot	58 (5.7)	20 (2.0)	0	32
Sandhill Crane	4 (0.4)	0	2 (0.2)	2
Killdeer	898 (88.8)	509 (50.3)	191 (18.9)	98
Spotted Sandpiper	157 (15.5)	29 (2.9)	37 (3.7)	58
Upland Sandpiper	47 (4.6)	15 (1.5)	10 (1.0)	27
Common Snipe	19 (1.9)	1 (0.1)	3 (0.3)	11
American Woodcock	145 (14.3)	26 (2.6)	46 (4.5)	53
Wilson's Phalarope	1 (0.1)	0	0	1
Ring-billed Gull	40 (4.0)	1 (0.1)	0	22
Herring Gull	12 (1.2)	3 (0.3)	0	7
Caspian Tern	2 (0.2)	0	1 (0.1)	2
Common Tern	3 (0.3)	0	0	3
Forster's Tern	5 (0.5)	0	0	5
Least Tern	1 (0.1)	0	0	1
Black Tern	14 (1.4)	3 (0.3)	1 (0.1)	10
Rock Dove	793 (78.4)	404 (40.0)	149 (14.7)	98
Ringed Turtle-Dove	1 (0.1)	1 (0.1)	0	1
Mourning Dove	934 (92.4)	603 (59.6)	258 (25.5)	98
Monk Parakeet	3 (0.3)	1 (0.1)	0	3
Black-billed Cuckoo	195 (19.3)	33 (3.3)	42 (4.2)	62
Yellow-billed Cuckoo	693 (68.5)	128 (12.7)	259 (25.6)	93
Common Barn-Owl	2 (0.2)	1 (0.1)	1 (0.1)	2
Eastern Screech-Owl	265 (26.2)	82 (8.1)	49 (4.8)	74
Great Horned Owl	365 (36.1)	96 (9.5)	75 (7.4)	83
Barred Owl	252 (24.9)	54 (5.3)	70 (6.9)	74
Long-eared Owl	2 (0.2)	0	0	2

Table 4 (continued). Status of species reported during Illinois Breeding Bird Atlas 1986-89.

Species	# Recorded	# Confirmed		# Probable	# Counties
		(percentage)			
Short-eared Owl	5 (0.5)	2 (0.2)	0	0	3
Common Nighthawk	262 (25.9)	28 (2.8)	51 (5.0)	51	75
Chuck-will's-widow	23 (2.3)	1 (0.1)	7 (0.7)	7	14
Whip-poor-will	205 (20.3)	10 (1.0)	84 (8.3)	84	67
Chimney Swift	817 (80.8)	225 (22.2)	196 (19.4)	196	97
Ruby-throated Hummingbird	378 (37.4)	58 (5.7)	89 (8.8)	89	91
Belted Kingfisher	526 (52.0)	117 (11.6)	164 (16.2)	164	93
Red-headed Woodpecker	804 (79.5)	464 (45.9)	171 (16.9)	171	98
Red-bellied Woodpecker	664 (65.7)	301 (29.8)	139 (13.7)	139	97
Yellow-bellied Sapsucker	4 (0.4)	1 (0.1)	1 (0.1)	1	4
Downy Woodpecker	797 (78.8)	333 (32.9)	201 (19.9)	201	98
Hairy Woodpecker	459 (45.4)	101 (10.0)	105 (10.4)	105	93
Northern Flicker	862 (85.3)	362 (35.8)	202 (20.0)	202	98
Pileated Woodpecker	176 (17.4)	21 (2.1)	46 (4.5)	46	57
Eastern Wood-Pewee	751 (74.3)	170 (16.8)	309 (30.6)	309	98
Yellow-bellied Flycatcher	2 (0.2)	0	1 (0.1)	1	1
Acadian Flycatcher	245 (24.2)	65 (6.4)	76 (7.5)	76	66
Alder Flycatcher	9 (0.9)	1 (0.1)	5 (0.5)	5	7
Willow Flycatcher	331 (32.7)	67 (6.6)	127 (12.6)	127	79
Least Flycatcher	37 (3.7)	4 (0.4)	4 (0.4)	4	25
Eastern Phoebe	530 (52.4)	301 (29.8)	78 (7.7)	78	95
Great Crested Flycatcher	659 (65.2)	148 (14.4)	271 (26.8)	271	97
Western Kingbird ?	1 (0.1)	1 (0.1)	0	0	1
Eastern Kingbird	857 (84.8)	438 (43.3)	252 (24.9)	252	95
Horned Lark	799 (79.0)	426 (42.1)	198 (19.6)	198	97
Purple Martin	530 (52.4)	319 (31.6)	50 (4.9)	50	93
Tree Swallow	301 (29.8)	138 (13.6)	55 (5.4)	55	73
Northern Rough-winged Swallow	544 (53.8)	211 (20.9)	126 (12.5)	126	93
Bank Swallow	179 (17.7)	90 (9.0)	19 (1.9)	19	67
Cliff Swallow	100 (10.0)	63 (6.2)	10 (1.0)	10	41
Barn Swallow	938 (92.8)	786 (77.7)	69 (6.8)	69	97
Blue Jay	902 (89.2)	495 (49.0)	165 (16.3)	165	98
American Crow	900 (89.0)	325 (32.1)	175 (17.3)	175	98
Fish Crow	15 (1.5)	4 (0.4)	3 (0.3)	3	8
Black-capped Chickadee	527 (52.1)	298 (29.5)	120 (11.9)	120	69
Carolina Chickadee	239 (23.6)	148 (14.6)	47 (4.6)	47	39
Tufted Titmouse	605 (59.8)	275 (27.2)	158 (15.6)	158	96
Red-breasted Nuthatch	3 (0.3)	2 (0.2)	1 (0.1)	1	3
White-breasted Nuthatch	644 (63.7)	207 (20.5)	199 (19.7)	199	97
Brown Creeper	34 (3.3)	3 (0.3)	4 (0.4)	4	25
Carolina Wren	430 (42.5)	142 (14.6)	138 (13.6)	138	82
Bewick's Wren	2 (0.2)	2 (0.2)	0	0	2

Table 4 (continued). Status of species reported during Illinois Breeding Bird Atlas 1986-89.

Species	# Recorded	# Confirmed	# Probable		# Counties
			(percentage)		
House Wren	826 (81.7)	508 (50.2)	192 (19.0)		97
Sedge Wren	58 (5.7)	8 (0.8)	28 (2.8)		30
Marsh Wren	38 (3.8)	5 (0.5)	19 (1.9)		14
Golden-crowned Kinglet	1 (0.1)	1 (0.1)	0		1
Blue-gray Gnatcatcher	342 (33.8)	129 (12.8)	108 (10.7)		85
Eastern Bluebird	674 (67.7)	484 (47.9)	100 (10.0)		95
Veery	39 (3.9)	7 (0.7)	16 (1.6)		18
Wood Thrush	457 (45.2)	77 (7.6)	164 (16.2)		93
American Robin	942 (93.2)	856 (84.7)	59 (5.8)		98
Gray Catbird	841 (83.2)	389 (38.5)	275 (27.2)		98
Northern Mockingbird	499 (49.4)	222 (22.0)	135 (13.4)		92
Brown Thrasher	883 (87.3)	509 (50.3)	218 (21.8)		96
Cedar Waxwing	480 (47.5)	115 (11.4)	150 (14.8)		81
Loggerhead Shrike	217 (21.5)	104 (10.3)	35 (3.5)		71
European Starling	906 (89.6)	760 (75.2)	51 (5.0)		98
White-eyed Vireo	247 (24.4)	49 (4.8)	85 (8.4)		67
Bell's Vireo	120 (11.9)	29 (2.9)	44 (4.4)		53
Yellow-throated Vireo	245 (24.2)	32 (3.2)	70 (6.9)		78
Warbling Vireo	576 (57.0)	117 (11.8)	223 (22.1)		95
Red-eyed Vireo	429 (42.4)	66 (6.5)	144 (14.2)		91
Blue-winged Warbler	40 (4.0)	3 (0.3)	18 (1.8)		22
Golden-winged Warbler	1 (0.1)	1 (0.1)	0		1
Lawrence's Warbler	2 (0.2)	1 (0.1)	0		2
Northern Parula	159 (15.7)	12 (1.2)	55 (5.4)		50
Yellow Warbler	427 (42.2)	119 (11.8)	123 (12.2)		94
Chestnut-sided Warbler	12 (1.2)	1 (0.1)	5 (0.5)		7
Black-throated Green Warbler ?	1 (0.1)	0	0		1
Yellow-throated Warbler	86 (8.5)	11 (1.1)	25 (2.5)		43
Pine Warbler	16 (1.6)	5 (0.5)	3 (0.3)		10
Prairie Warbler	27 (2.7)	5 (0.5)	5 (0.5)		11
Cerulean Warbler	49 (4.8)	7 (0.7)	13 (1.3)		27
Black-and-white Warbler	23 (2.3)	1 (0.1)	4 (0.4)		21
American Redstart	113 (11.2)	22 (2.2)	24 (2.4)		53
Prothonotary Warbler	115 (11.4)	42 (4.1)	26 (2.6)		54
Worm-eating Warbler	23 (2.3)	8 (0.8)	6 (0.6)		13
Swainson's Warbler	1 (0.1)	0	0		1
Ovenbird	86 (8.5)	7 (0.7)	32 (3.2)		41
Louisiana Waterthrush	91 (9.0)	30 (3.0)	24 (2.4)		45
Kentucky Warbler	175 (17.3)	33 (3.3)	56 (5.5)		61
Mourning Warbler	4 (0.4)	0	0		4
Common Yellowthroat	883 (82.4)	249 (24.6)	436 (43.1)		96
Hooded Warbler	14 (1.4)	4 (0.4)	6 (0.6)		14

Table 4 (continued). Status of species reported during Illinois Breeding Bird Atlas 1986-89.

Species	# Recorded	# Confirmed	# Probable (percentage)	# Counties
Canada Warbler	3 (0.3)	0	1 (0.1)	3
Yellow-breasted Chat	302 (29.9)	44 (4.3)	116 (11.5)	82
Summer Tanager	124 (12.3)	20 (2.0)	50 (5.0)	44
Scarlet Tanager	275 (27.2)	31 (3.1)	95 (9.4)	88
Northern Cardinal	912 (90.2)	541 (53.5)	286 (28.3)	98
Rose-breasted Grosbeak	559 (52.3)	163 (16.1)	213 (21.1)	83
Blue Grosbeak	115 (11.4)	23 (2.3)	40 (4.0)	48
Indigo Bunting	930 (92.0)	376 (37.2)	452 (44.7)	98
Dickcissel	801 (79.2)	232 (22.9)	404 (40.0)	96
Rufous-sided Towhee	583 (57.7)	91 (9.0)	267 (26.4)	96
Chipping Sparrow	806 (79.7)	435 (43.0)	185 (18.3)	97
Clay-colored Sparrow	1 (0.1)	0	1 (0.1)	1
Field Sparrow	793 (78.4)	308 (30.5)	291 (28.8)	97
Vesper Sparrow	450 (44.5)	115 (11.4)	157 (15.5)	72
Lark Sparrow	119 (11.8)	53 (5.2)	19 (1.9)	50
Savannah Sparrow	300 (29.7)	66 (6.5)	113 (11.2)	61
Grasshopper Sparrow	605 (59.8)	126 (12.5)	253 (25.0)	92
Henslow's Sparrow	9 (0.9)	3 (0.3)	1 (0.1)	7
Song Sparrow	900 (89.2)	445 (44.0)	338 (34.4)	98
Swamp Sparrow	92 (9.1)	27 (2.7)	32 (3.2)	29
White-throated Sparrow	3 (0.3)	0	1 (0.1)	3
Bobolink	224 (21.2)	60 (5.9)	89 (8.8)	49
Red-winged Blackbird	939 (92.8)	768 (76.0)	132 (13.1)	98
Eastern Meadowlark	907 (89.7)	410 (40.6)	335 (33.1)	98
Western Meadowlark	190 (18.8)	49 (4.8)	63 (6.2)	45
Yellow-headed Blackbird	22 (2.2)	5 (0.5)	8 (0.8)	11
Common Grackle	933 (92.3)	725 (71.7)	102 (10.0)	98
Brown-headed Cowbird	898 (88.8)	345 (34.1)	380 (35.6)	98
Orchard Oriole	473 (46.8)	186 (18.4)	101 (10.0)	93
Northern Oriole	753 (74.5)	425 (42.0)	147 (14.5)	98
Purple Finch	3 (0.3)	0	2 (0.2)	3
House Finch	315 (31.2)	157 (15.5)	73 (7.2)	82
Red Crossbill	1 (0.1)	1 (0.1)	0	1
Pine Siskin	12 (1.2)	4 (0.4)	4 (0.4)	8
American Goldfinch	905 (89.5)	169 (16.7)	522 (51.6)	98
House Sparrow	939 (92.9)	852 (85.0)	39 (3.9)	98
Eurasian Tree Sparrow	114 (11.3)	75 (7.4)	10 (1.0)	21





No. species recorded from 1011 atlas blocks 206

No. species "confirmed" from 1011 atlas blocks 165

^a Percentage is of 1011 blocks.

^b Pending acceptance of documentation.

Northern Oriole

-  Observed
-  Possible
-  Probable
-  Confirmed

Quads with completed blocks indicated with outline

Source: Breeding Bird Atlas, 1986-1989

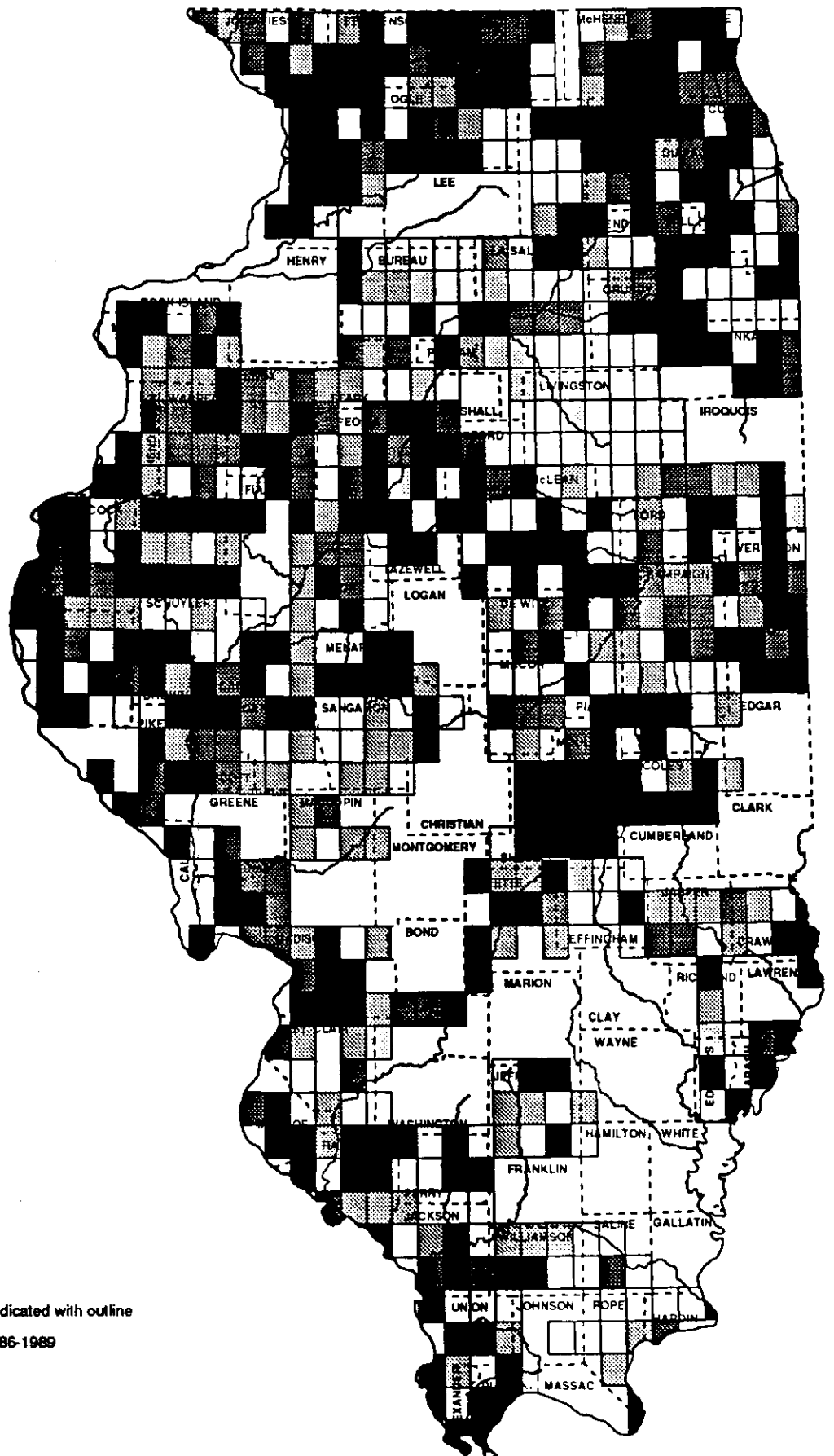


Figure 3. Distribution of Northern Oriole from Illinois Breeding Bird Atlas 1986-89.

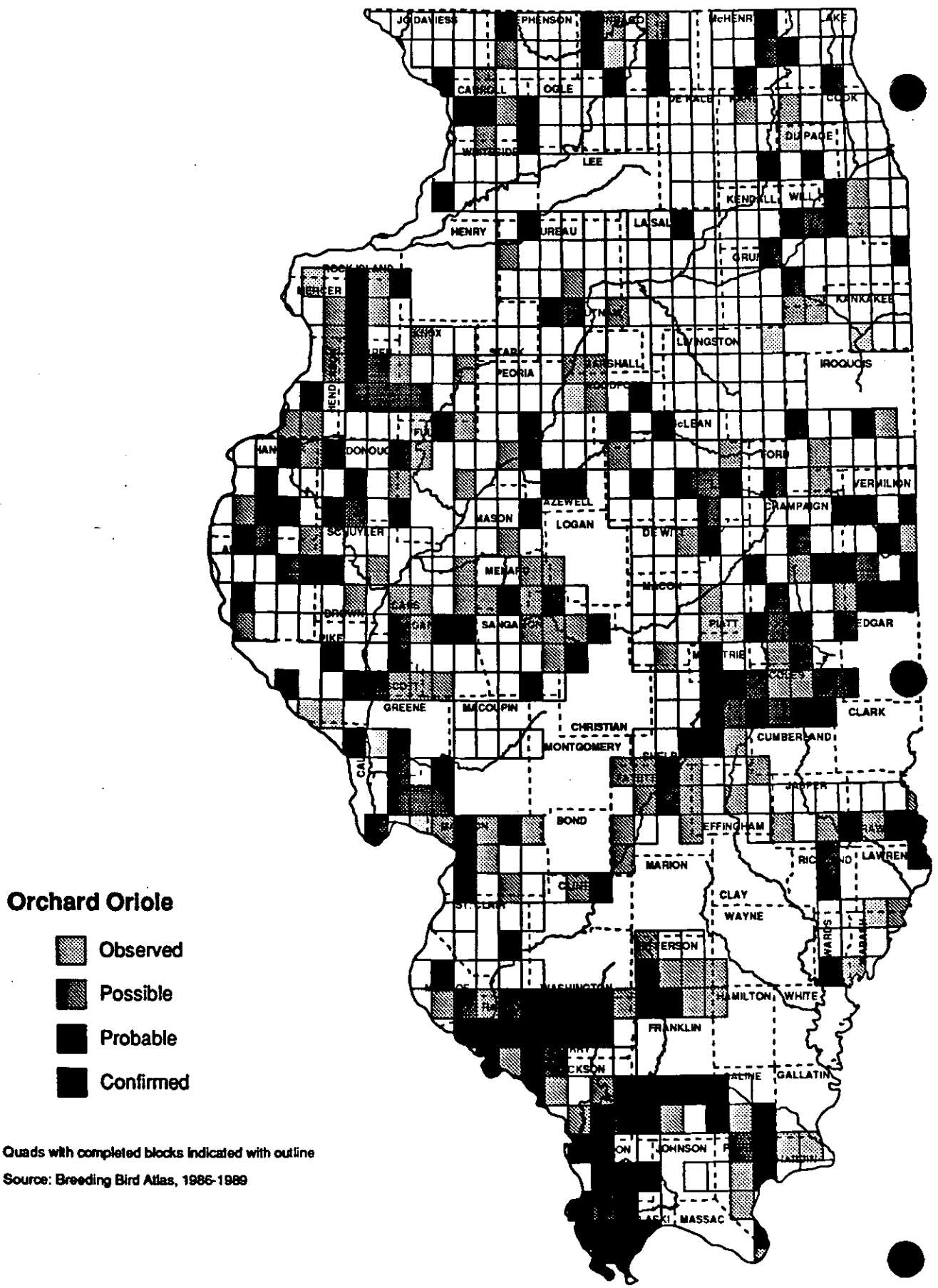






Figure 4. Distribution of Orchard Oriole from Illinois Breeding Bird Atlas 1986-89.

Rose-breasted Grosbeak

-  Observed
-  Possible
-  Probable
-  Confirmed

Quads with completed blocks indicated with outline

Source: Breeding Bird Atlas, 1986-1989

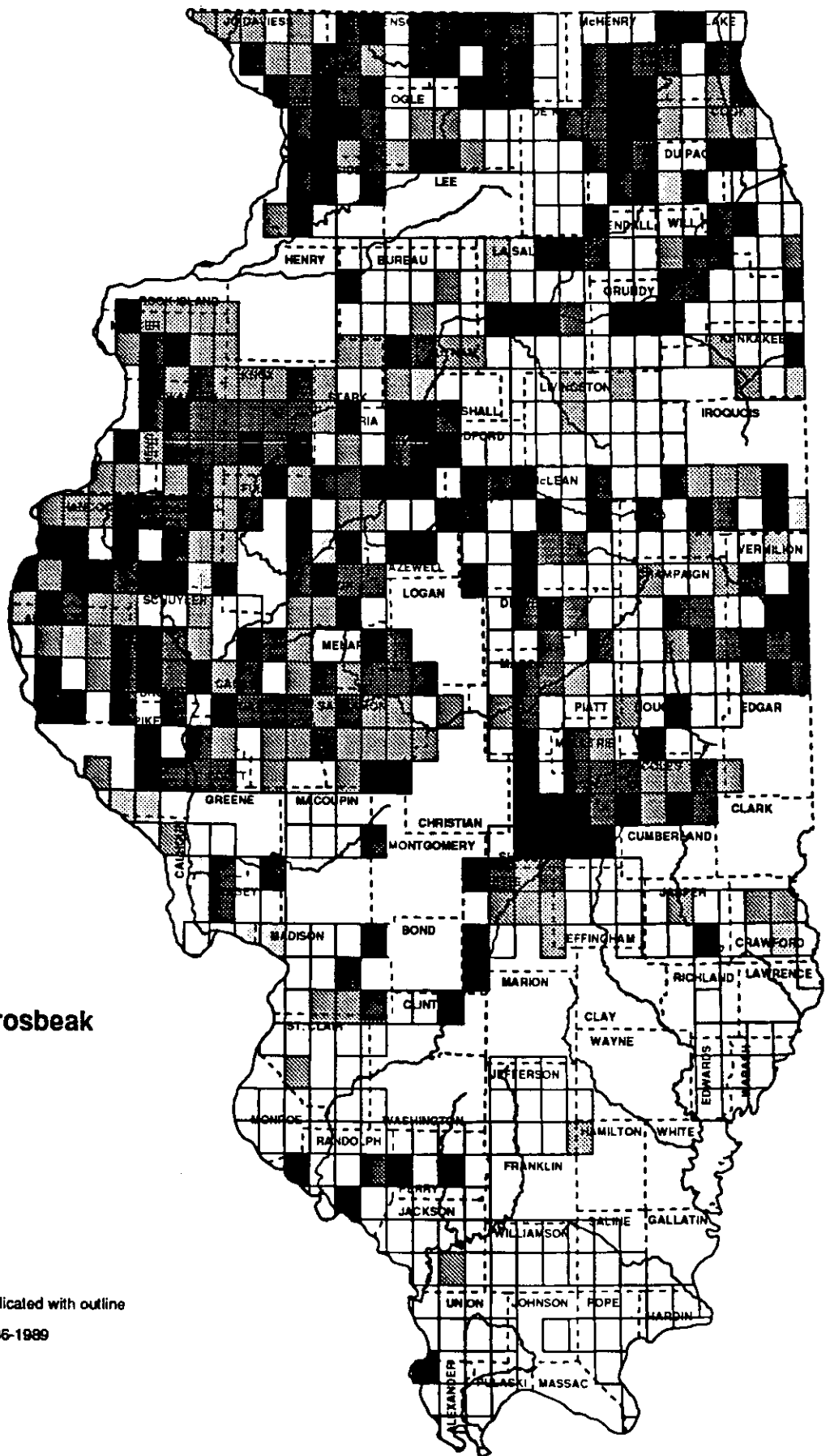


Figure 5. Distribution of Rose-breasted Grosbeak Illinois breeding Bird Atlas 1986-89.