

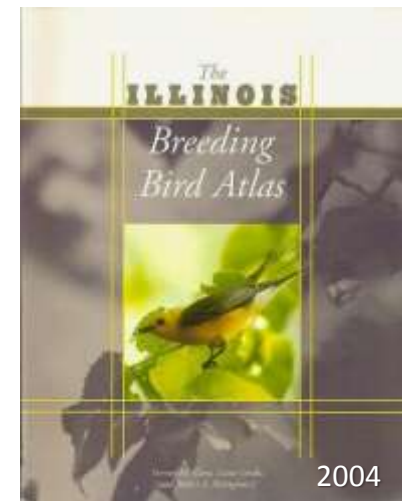
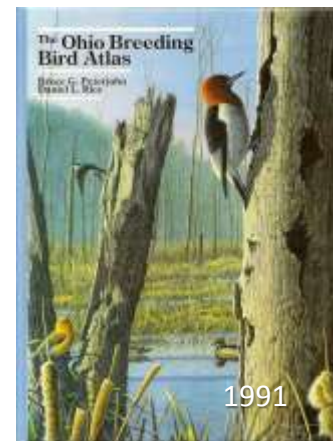
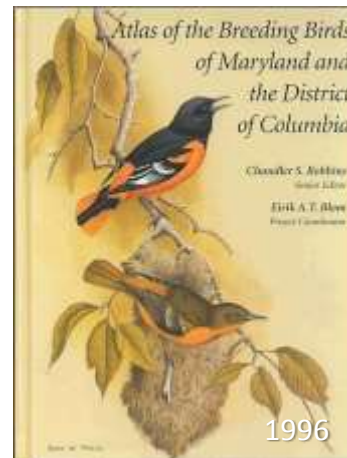
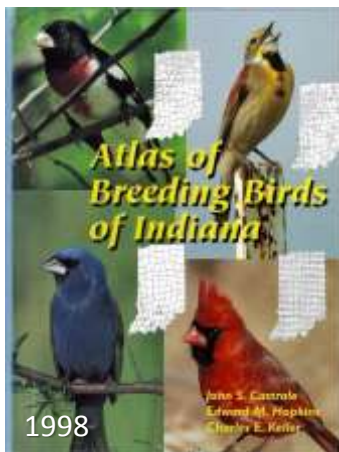
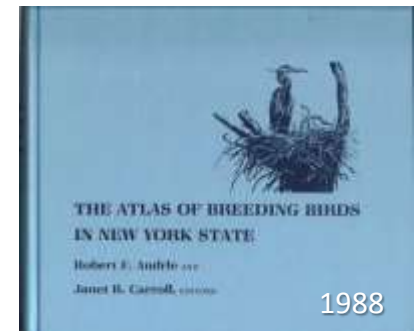
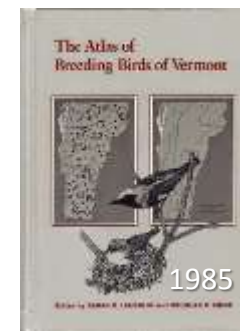
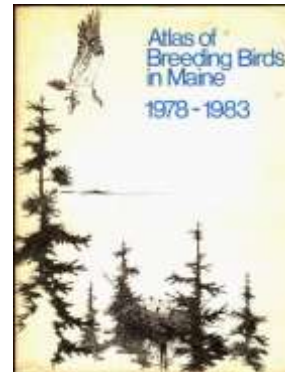
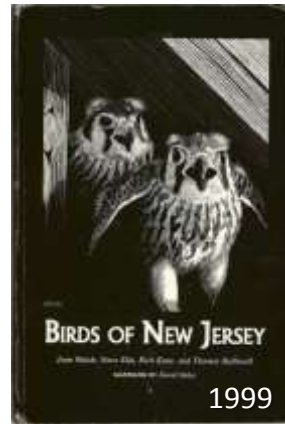
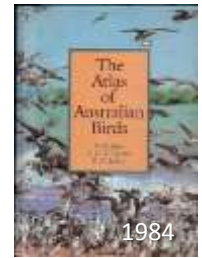
History of the Breeding Bird Atlas in Wisconsin

A photograph of a forest with a bird perched on a tree branch against a cloudy sky. The bird is silhouetted against the sky, which is filled with soft, white clouds. The forest consists of many tall, thin evergreen trees, some of which are in the foreground and some in the background. The overall scene is a natural, outdoor setting.

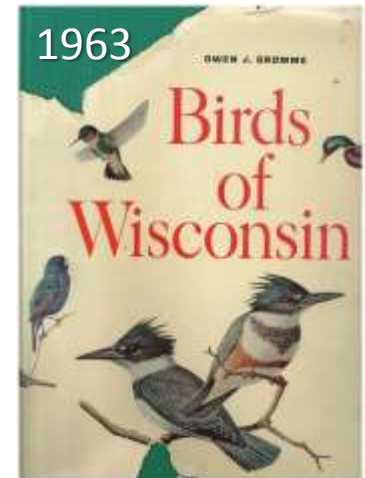
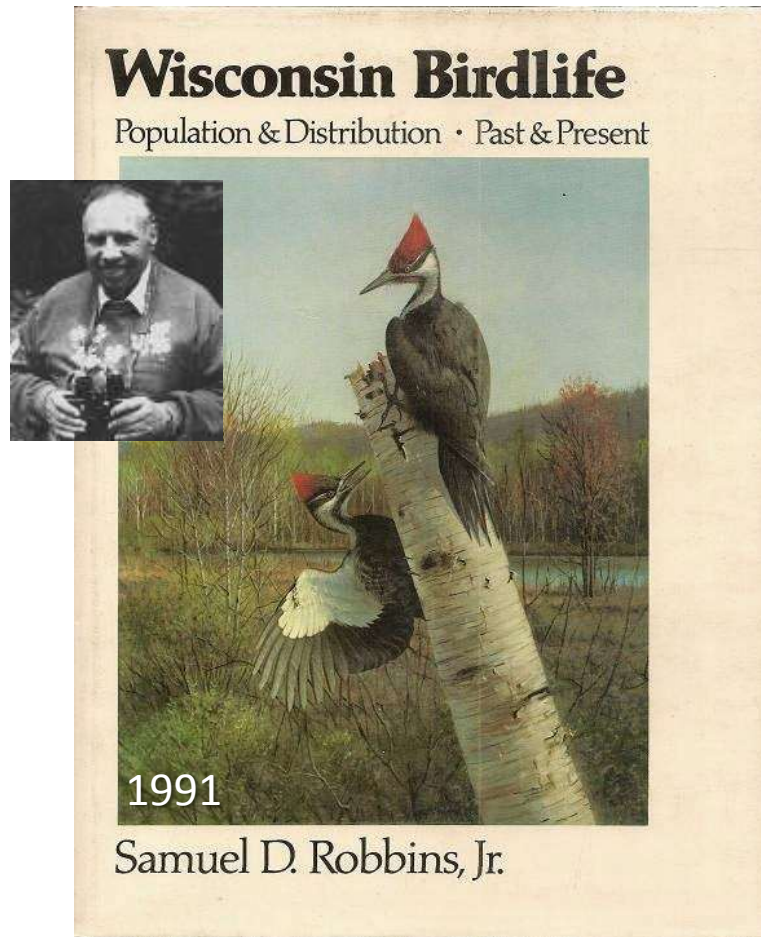
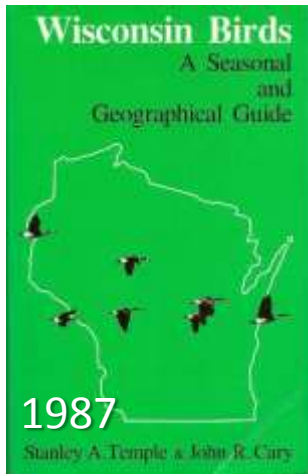
Bob Howe

Cofrin Center for Biodiversity
University of Wisconsin-Green Bay

Prehistoric Events



Prehistoric Events



History of the Breeding Bird Atlas in Wisconsin



- **October 1993** **WSO Board endorsed Atlas idea**
- **Winter 1993-94** ***ad hoc* committee formed**



Alex F. Kailing

Carl Hayssen minutes:

“Do we want to do this? Do we have the resources to do it right?”
“Cost is high as a permanent staff is needed with an office and expensive computer equipment.”
“Over half the states are doing it or have done it.”
“The public participants got a great education.”
“Tom Schultz and Jim Frank are in favor of it.”
“Noel agrees but the project will need backing of the DNR.”
“Sam doesn’t think we have to spend so much.”
“Bob moved, seconded by Becky Isenring that WSO endorse the idea of a Wisconsin Bird Atlas Project.”

“Motion passed.”



Noel Cutright

History of the Breeding Bird Atlas in Wisconsin

- **May 1994** **Atlas project announced at WSO Convention**
- **Summer 1994** **Steering committee began planning**
- **October 1994** **WSO allocated \$7,500 to Atlas**

Jeff Baughman

Brian Boldt

Susanne Brown

Noel Cutright

Barb Duerkson

David Flaspohler

Jim Frank

Karen Etter Hale

Bettie Harriman

Randy Hoffman

Bob Howe

Becky Isenring

Alex Kailing

Sumner Matteson

Mike Mossman

Sam Robbins

Robert Rolley

Dave Sample

Tom Schultz

Daryl Tessen

Bill Volkert



History of the Breeding Bird Atlas in Wisconsin

- **January 1995** **Bettie Harriman agreed to be Atlas Director**

Carl Hayssen minutes:

“Through Daryl’s initiative, all 27 regional coordinators have been lined up.”

“Noel has written instruction handbook and is conducting workshops..”

“Committee has submitted grant proposal to National Fish & Wildlife Foundation.”

“Mike Mossman has produced an extensive habitat code system.”

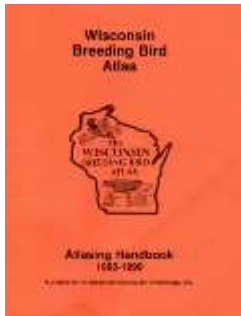
“Jim Frank has put together the verified breeding records.”

“Karen Etter Hale has been working on Atlas brochures, decals, t-shirts, stationery, etc.”

“Tom Schultz did the art work”

“The owner of Chickadee Depot west of Madison has donated \$1000 and asked that he is able to adopt the 2 chickadees. Wish granted.”

“In all the Atlas is off and running and enthusiasm is high...”



History of the Breeding Bird Atlas in Wisconsin

- Fall 1995 Data management center established at UW-Green Bay



History of the Breeding Bird Atlas in Wisconsin

- Fall 1995 Data management center established at UW-Green Bay



27 Regional Coordinators

History of the Breeding Bird Atlas in Wisconsin



Field Work



1995-2000

TABLE 1: Numbers of Submitted Field Cards/Casual Observation Forms by Year

Year	Casual Form	Field Card	Total
1995	395	663	1058
1996	305	546	851
1997	352	713	1065
1998	306	694	1000
1999	442	748	1190
2000	267	176	443
Totals	2067	3540	5607

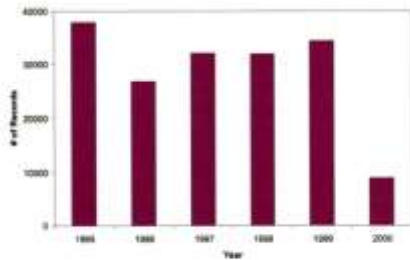
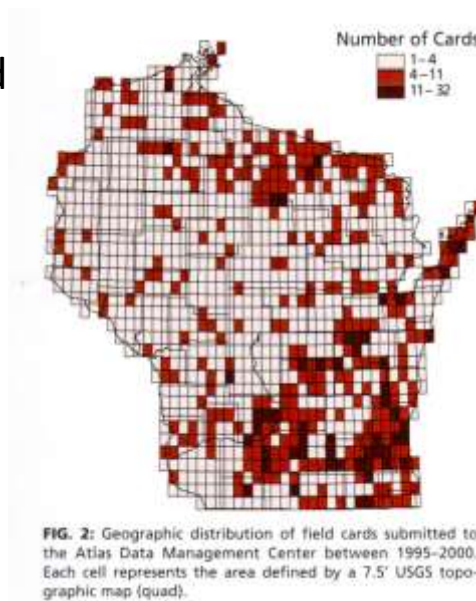


FIG. 1: Numbers of Atlas records by year, where a record is defined as the first evidence of breeding or an upgrade in status in a given Atlas block.



History of the Breeding Bird Atlas in Wisconsin

- 172,096 records accepted
- 10,281 records eliminated
- 1,602 observers
- 68,898 hours



- 3,540 field cards
- > 1/3 records by 64 observers
- > 2/3 records by 200 observers

226 confirmed breeding species
229 breeding species in Robbins (1991)

History of the Breeding Bird Atlas in Wisconsin

Revenue (2000): \$343,940

Expenses (2000): \$290,000

Financial Support

Even though volunteers administered the Atlas and did most of the field work, costs for a project of this size were substantial. The WSD provided the initial funding, but additional funds had to be found elsewhere. The WDNR provided annual support for the entire life of the Atlas and was the principal source of funding. The U.S. Bureau of Land Management and the U.S. Forest Service (USFS) provided important funds. The Coffin Center for Biodiversity and Department of Natural and Applied Sciences at the University of Wisconsin-Green Bay provided office space for the data management activities and substantial logistic support during and after completion of the field work.

A national private foundation, the National Fish and Wildlife Foundation, and numerous private foundations across Wisconsin were generous contributors. The Madison Community Foundation, Bradley Foundation, and Windway Foundation each made major contributions to get the work started in 1995. The Zoological Society of Milwaukee provided significant funds for five years of field work. Other major donors were the Arthur I. Drenth Family Foundation; Kayce Avian Foundation; the Society of Tympanuchus Cupido Pinnatus; Wierzenberg Charitable Trust; Consolidated Papers Foundation; We Energies; American Transmission Company; and The Nature Conservancy.

Another important fundraising technique was the sponsorship of a Wisconsin breeding bird species for \$500. The name of the sponsor appears on the species account page in this book for each of the 106 species sponsored. Many other organizations, businesses, and individuals supported the work of the Atlas with financial contributions, large and small.

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- WDNR (\$150,000)
- NFWF (\$ 25,000)
- Sponsors (\$ >100,000)
- Individual donations

- Field workers (~ \$150,000)
- Data management center
- Coordination
- Printing, supplies, etc.

Major donors who contributed \$500 or more were:

Alfred Leopold Audubon Society	Irwin Eisen
American Transmission Company	Environmental Systems Research Institute
Carl Anderson and Carolyn Heidemans	John Faith
American Wisconsin Private Foundations	Ferry Bluff Eagle Council
Ann Bealson-Henshel	James C. Frank
Jack and Holly Bartholomew	Inga and Woody Hagg
Blasford Reorganization	Karen Ellen Hale
Association of Wisconsin Tax and Marilyn Beatty	Karen and Jim Hale
Bradley Foundation	H. Lowell Hale
Bradley Fund for the Environment	Bettie Hartman
Suzanne Marie Brown	R. Ted Hightower
Chickadee Depot	Horicon Marsh Bird Club
Citizens Natural Resources Association	Robert W. Howe and Amy T. Wolf
Catherine Clary	John, Sue, Jessica, and Julie Hryhor
Consolidated Papers Foundation	International Crane Foundation
Country Trader	larger: Heltweg Family Charitable Trust
Noel Curtright	Mrs. Harold C. Johnson
Seth Curtright	Alex Kaiting
Jeanette Davis	Kayce Avian Foundation
Arthur I. Drenth Family Foundation	Timothy M. Leiby
Mary Donald	Madison Audubon Society
	Madison Community Foundation

Steve Makler	Joan Sommer
Robert and Carol Moad	Ruth Stank
National Fish and Wildlife Foundation	Barbara Sover
National Wild Turkey Federation	The Nature Conservancy (Wisconsin)
Mary and Tom Nelson	The Zoological Society of Milwaukee
Darwin O'Brien	Robert Tracy
Oakland Bird Club	U.S. Bureau of Land Management
Frederick Ott	U. S. Forest Service
James and Suzanne Otto	University of Wisconsin-Green Bay
Martin Peterson and Service Galgoz	We Energies
E. E. Phillips Family Foundation	Wierzenberg Charitable Foundation
Helen J. Pugh	Wild Bird Center (Appleton)
Doris and George Redmond	Wild Bird Center (Menomonie Falls)
Kate Redmond	Windway Foundation, Inc.
Riveridge Bird Club	Wisconsin Audubon Society
Ruffed Grouse Society (John M. Koenig Chapter)	Woodell
Irwin Rubin	WDNR
Barbara Drenth-Schwartz	Kim Wood
Carl Schwartz	Woods' Edge Farm
Sharp-tailed Hoopoe Society	
John and Franck Skilling	
Society of Tympanuchus Cupido Pinnatus	

Joan Sommer	Daniel Belcy
Ruth Stank	Benjamin F. Goss Bird Club
Barbara Sover	Sue and Betty Bowen
The Nature Conservancy (Wisconsin)	Ruth Boyer
The Zoological Society of Milwaukee	Birdhouse Bread and BookWise
Robert Tracy	
U.S. Bureau of Land Management	
U. S. Forest Service	
University of Wisconsin-Green Bay	
We Energies	
Wierzenberg Charitable Foundation	
Wild Bird Center (Appleton)	
Wild Bird Center (Menomonie Falls)	
Windway Foundation, Inc.	
Wisconsin Audubon Society	
Woodell	
WDNR	
Kim Wood	
Woods' Edge Farm	

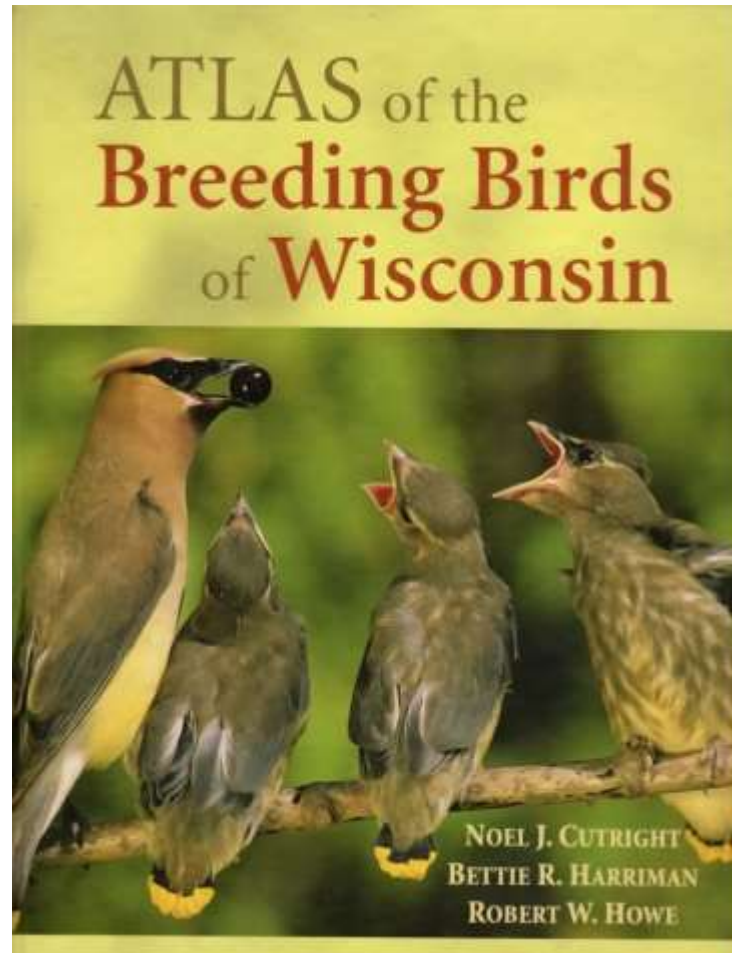
Donors who contributed less than \$500 included:

Arlo and Susan	George H. Austin
Mrs. Charles W. Ahrens	Barbara M. Bauld
Kathryn M. Anisimov	Norbert Bachus
Ann Arroyo	Andrzej K. Babe
Ann E. Arroyo	Carl V. Baltus
Susan A. Anderson	Sylvia Barthrich

Mr. and Mrs. Arthur Buscovich	Maryln Buscovich
Evelyn Butcher	Mr. and Mrs. Harold Busser
James E. Baughman	

History of the Breeding Bird Atlas in Wisconsin

Book published
in 2006



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Printed by Worzalla Publishing



Breeding Bird Atlas in Wisconsin

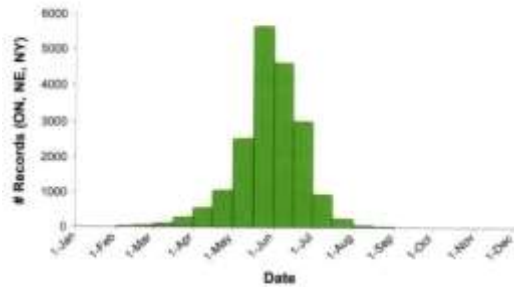


FIG. 11: Seasonal distribution of confirmed nesting records for bird species recorded between 1995 and 2000. Only records for birds occupying a nest (ON), nest with eggs (NE), or nest with young (NY) are included.

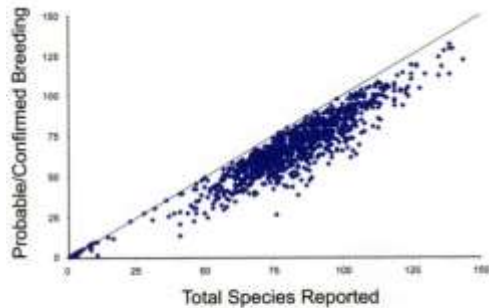


FIG. 4: Correlation between total numbers of bird species reported vs. numbers of probable or confirmed breeding species by 7.5' quad. Line represents 1:1 relationship, where all species were reported as probable or confirmed breeding.

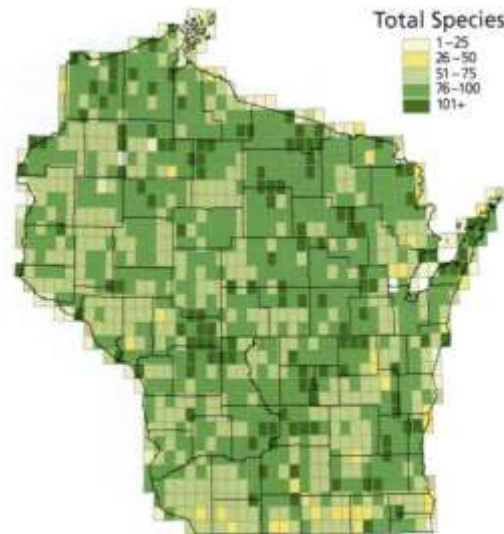


FIG. 3A: Total number of bird species reported in 7.5' quads, each containing up to 6 Atlas blocks. Species of all categories (confirmed, probable, possible, observed) are included.

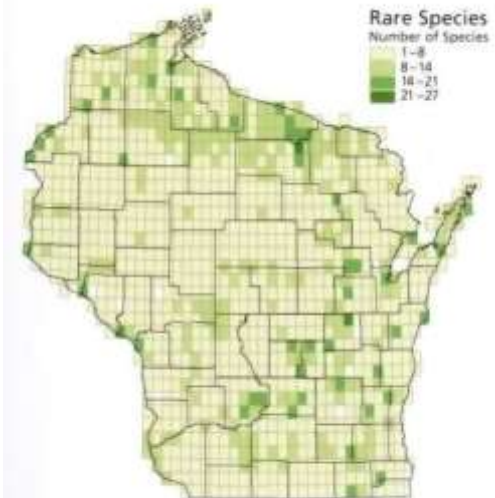
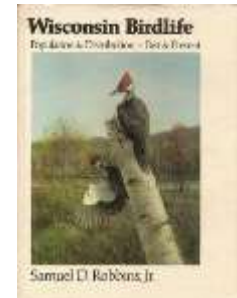


FIG. 14: Geographic distribution of federal and state listed (rare) bird species, including Endangered and Threatened species and Wisconsin Species of Special Concern.

Breeding Bird Atlas in Wisconsin



Sam's 50 questions

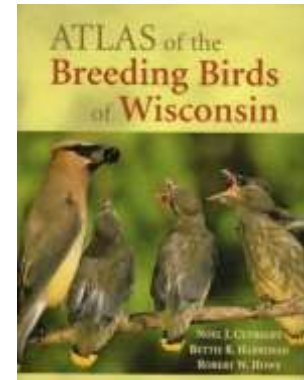


- Are Western, Eared, and Red-necked Grebes more frequent than records indicate?
- How widespread are Black-backed and Three-toed Woodpeckers in summer?
- What is the current status of Eastern Screech-Owl in Wisconsin?
- How extensive is the breeding range of Wilson's Phalarope in Wisconsin?
- How does the range of Red-bellied Woodpeckers compare with that of 1951?

Breeding Bird Atlas in Wisconsin



New questions



- Are King Rail, Tennessee Warbler, and Prairie Warbler gone from Wisconsin?
- Has climate change affected bird distributions in Wisconsin since 2000?
- Are species richness patterns in Wisconsin sampling artifacts or real?
- Are birders today more willing to take pictures of one another (or selfies)?
-