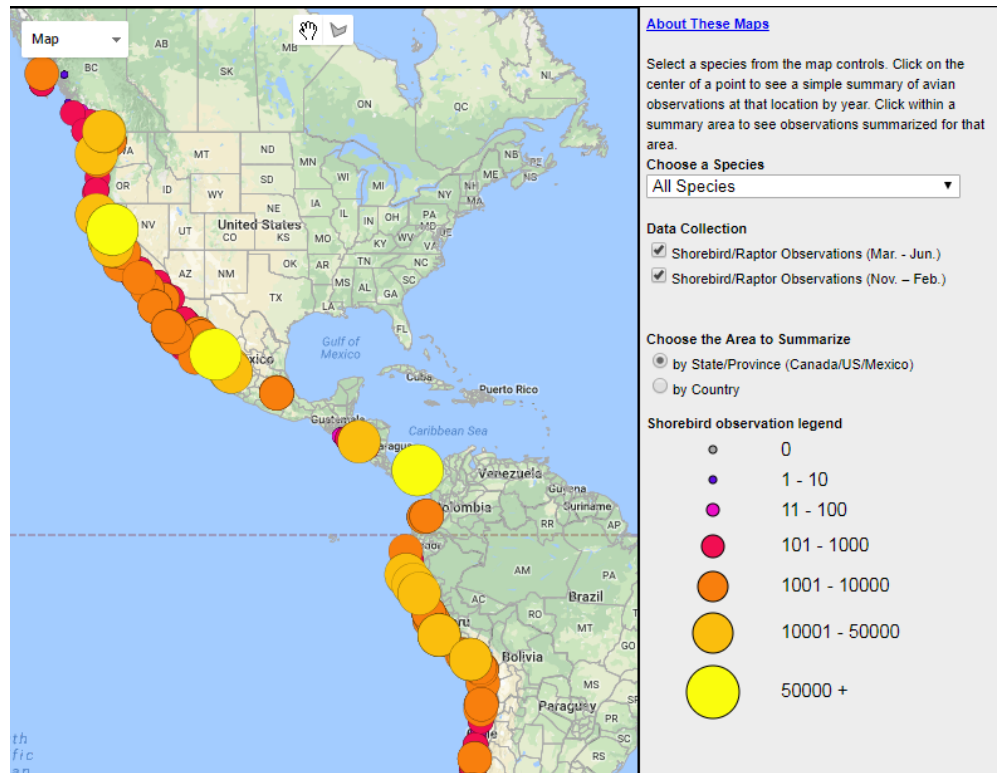


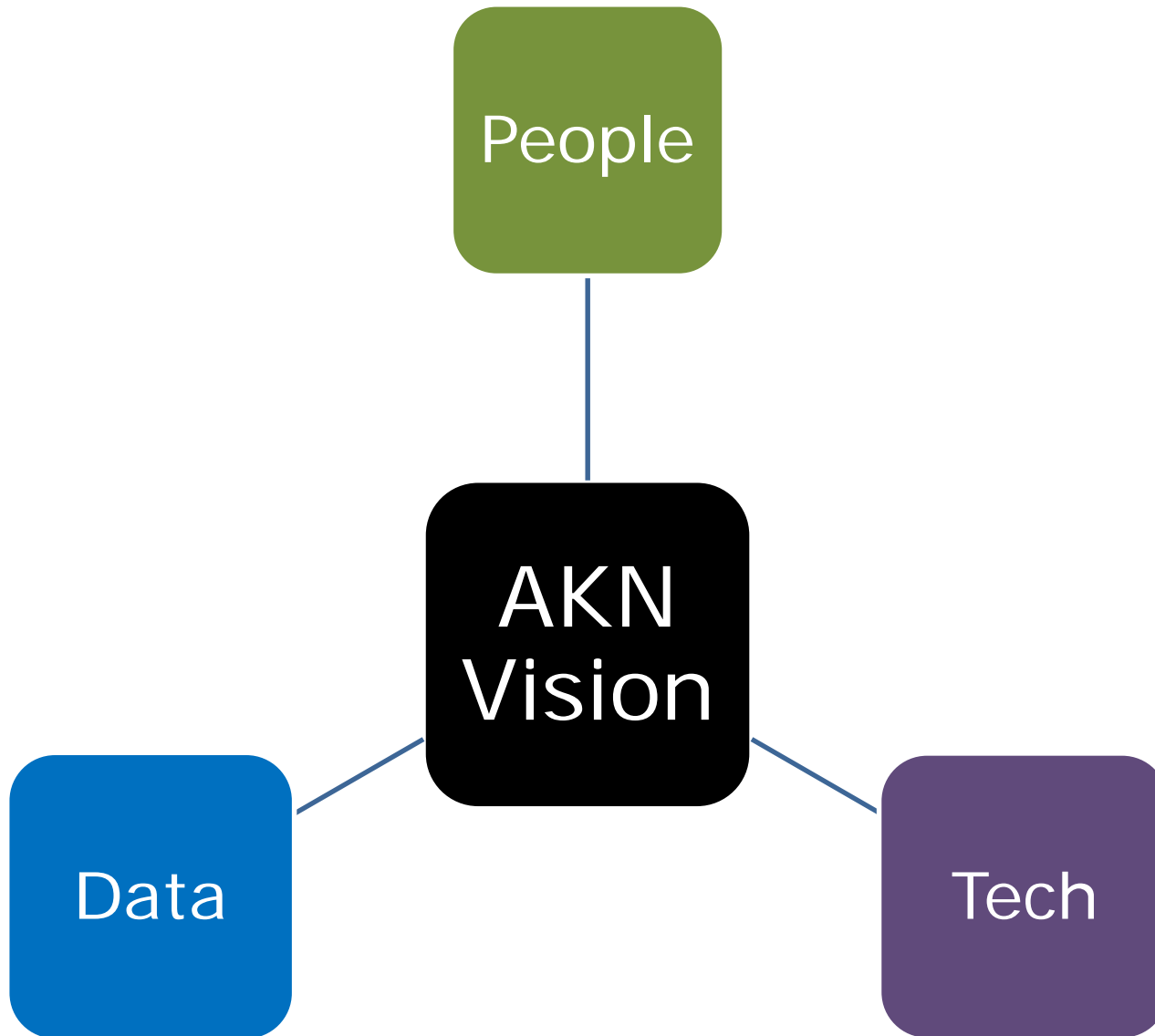
# Avian Knowledge Network

*People, Data, and Technology for the Conservation of Birds*



# VISION







# ***PEOPLE***

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- Citizen Scientists
- Biologists
- Programmers
- Researchers
- Land Managers



- 

[copy table to: CSV HTML DOC PDF](#)12 rows

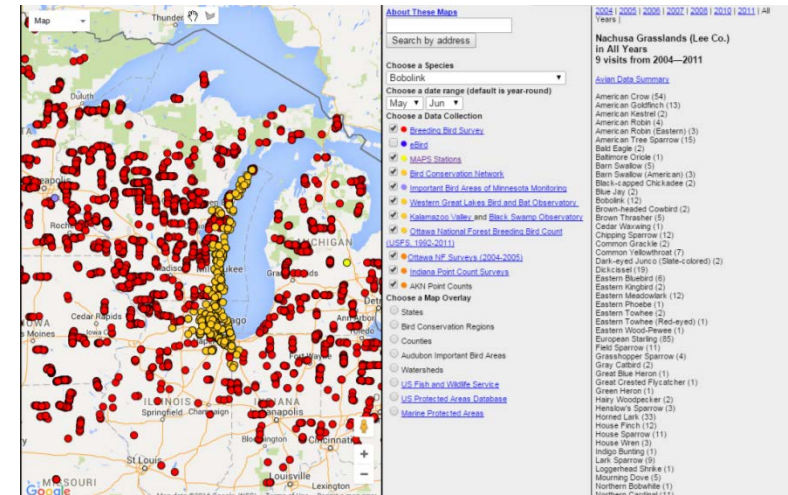
Total number of observations: 202 - Total number of sampling events: 166

# TECHNOLOGY

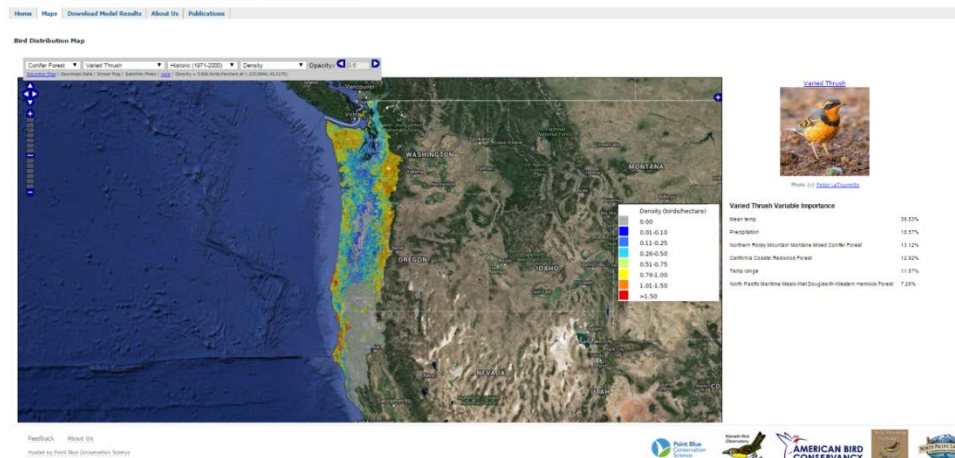
- Preserve Data
- Discover Data
- Deliver Data
- Summarize Data



*Make a Difference*

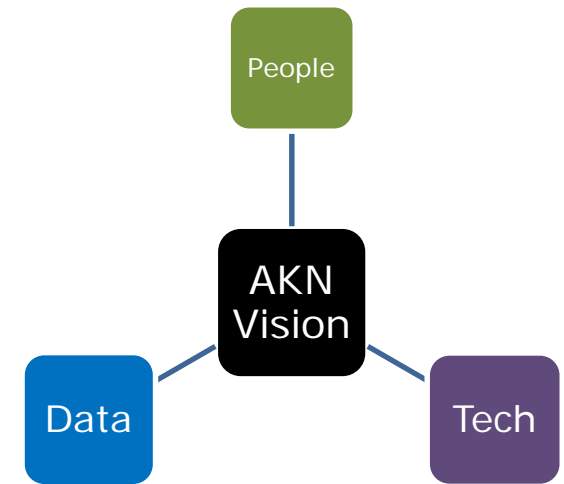


Pacific Northwest Climate Change Avian Vulnerability





# AKN NODES



This block is a collage of various AKN nodes and their interfaces, demonstrating the network's structure and the types of data and tools available. The nodes shown include:

- Midwest Avian Data Center**: A partner of the Avian Knowledge Network, featuring data collection tools, habitat management, and citizen science.
- Avian Knowledge Northwest**: A regional node of the AKN, focusing on bird monitoring and conservation in the Pacific Northwest.
- Pacific Flyway Shorebird Survey**: A project led by Point Blue Conservation Science, focusing on the management and monitoring of shorebirds in the Pacific Flyway.
- Rocky Mountain Avian Data Center**: A partner of the Avian Knowledge Network, focusing on integrated waterbird management and monitoring.
- Eastern Avian Data Center**: A partner of the Eastern Avian Knowledge Network, focusing on bird monitoring and conservation in the Eastern United States.
- NatureCounts**: A project of the Avian Knowledge Network, focusing on bird monitoring and conservation in the Western Hemisphere.
- eBird**: A project of the Avian Knowledge Network, focusing on bird monitoring and conservation in the Western Hemisphere.
- California Avian Data Center**: A regional node of the AKN, focusing on bird monitoring and conservation in California.
- Avian Knowledge Network - National Node**: A node for the Council for the Conservation of Migratory Birds, focusing on bird monitoring and conservation in the United States.

The collage also includes a 'Project Dashboard' and a 'Who Are We' section, highlighting the network's commitment to bird conservation and the role of its members.

# Avian Knowledge Network

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*People, Data, and Technology for the Conservation of Birds*



BIRD STUDIES  
ÉTUDES D'OISEAUX CANADA





# Midwest Avian Data Center

*People, Data, and Technology for the Conservation of Birds*

**Midwest Avian  
Data Center**  
a partner of the Avian Knowledge Network

HOME ABOUT MANAGE DATA EXPLORE DATA RESOURCES

## WELCOME TO MWADC

The Midwest Avian Data Center (MWADC) is a regional node of the Avian Knowledge Network (AKN) hosted by the [Midwest Coordinated Bird Monitoring Partnership](#) and [Point Blue Conservation Science](#). The MWADC goal is to improve conservation of birds and their habitats through the use of sound monitoring data, the best available science, and open, collaborative partnerships.

**[Register to become a MyMWADC user today!](#)**

The following sections will help orient you to the site:

- [Partners](#)** - Discover the people and institutions that comprise MWADC.
- [Sponsors](#)** - Find out more about the funding sources that make the AKN possible.
- [Goals](#)** - Learn about our goals.
- [Approach](#)** - Understand how the MWADC community accomplishes goals.
- [Get Involved](#)** - Explore how you can participate in the MWADC community.

### News

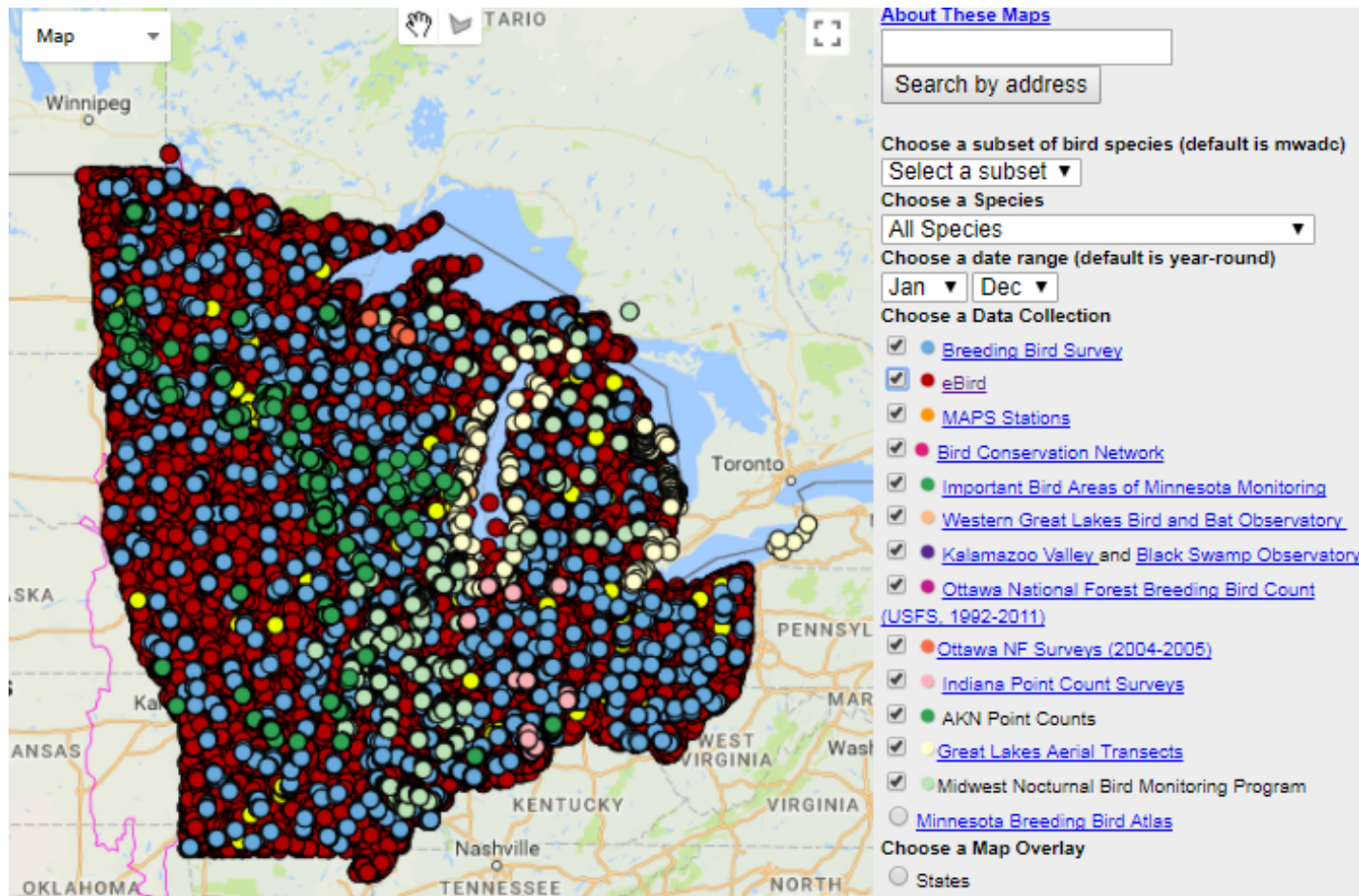
**Jan 18, 2018**  
[Reflections on 2017 and Changes Coming in 2018](#)

**Sep 7, 2017**  
[NABCI Release: Human Dimensions - What Is It, Why Use It, and Success Story](#)

**Aug 3, 2017**  
[State of the Birds 2017 Identifies Benefits for Agriculture, Forestry, and Conservation](#)

# Midwest Avian Data Center

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# Midwest Avian Data Center

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Biologists  **Project:** DMWADC (Project Leader) **Type:** Point Count **Location:** Chequamegon Nicolet NF (CNNF) **Visit:** 2005-07-14

You have observations that have not been saved. [Go to the observations page and save to database](#) or [discard it](#).


## Observations


















Species observations with details, layout and titles dependent on protocol.

 [Quick Tips >>](#)

- ☐ Separate observations on individual rows
- ☐ Scroll observations (Beta)

Observation Protocol: [3\\_5\\_10m50\\_100M+FlyDetect](#)  
Total Birds Counted: 8

 [Download CSV](#)

Point 	Time 	Species 	Time Bin 	0 - 50 	50 - 100 	> 100 	NR 	Breeding 	Notes 	
CN4	07:05	HETH	3		1S					
CN4	07:05	BTNW	3		1S					
CN4	07:05	PIWO	3		1C					
CN4	07:05	WIWR	3	1S						
CN4	07:05	REVI	3		1S 1C					
CN4	07:10	OVEN	10		1S					
CN4	07:10	YBSA	10	1C						

 Add more



# Midwest Avian Data Center

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Bulk Uploader

Create New Batch

Select Batch

Formats/Transforms ▼

(DMWADC) DMWADC - MidWest Avian Data Center Training Project



## Bulk Uploader



Welcome to the Bulk Uploader


To start, select a project.


DMWADC - MidWest Avian Data Center Training Project ▼


Go

# Midwest Avian Data Center

*People, Data, and Technology for the Conservation of Birds*

 Data Downloader

 Bird Conservancy of the Rockies ▾

 Point Blue ▾



## Data Downloader



## Welcome to AKN Data Downloader

AKN Data Downloader is an application for downloading available field observations provided by partners of the Avian Knowledge Network, hosted by [Point Blue Data Solutions](#).

Please use the following steps to review and download observation data:

1. Select from the Filters below to choose the subset of data you want to download.
2. Use the 'Search' button to see a summary of the data matching your selections.
3. Use the 'Download' button at the bottom of the Search Summary to download the data you have selected.

## Data Observation Types

Point Count

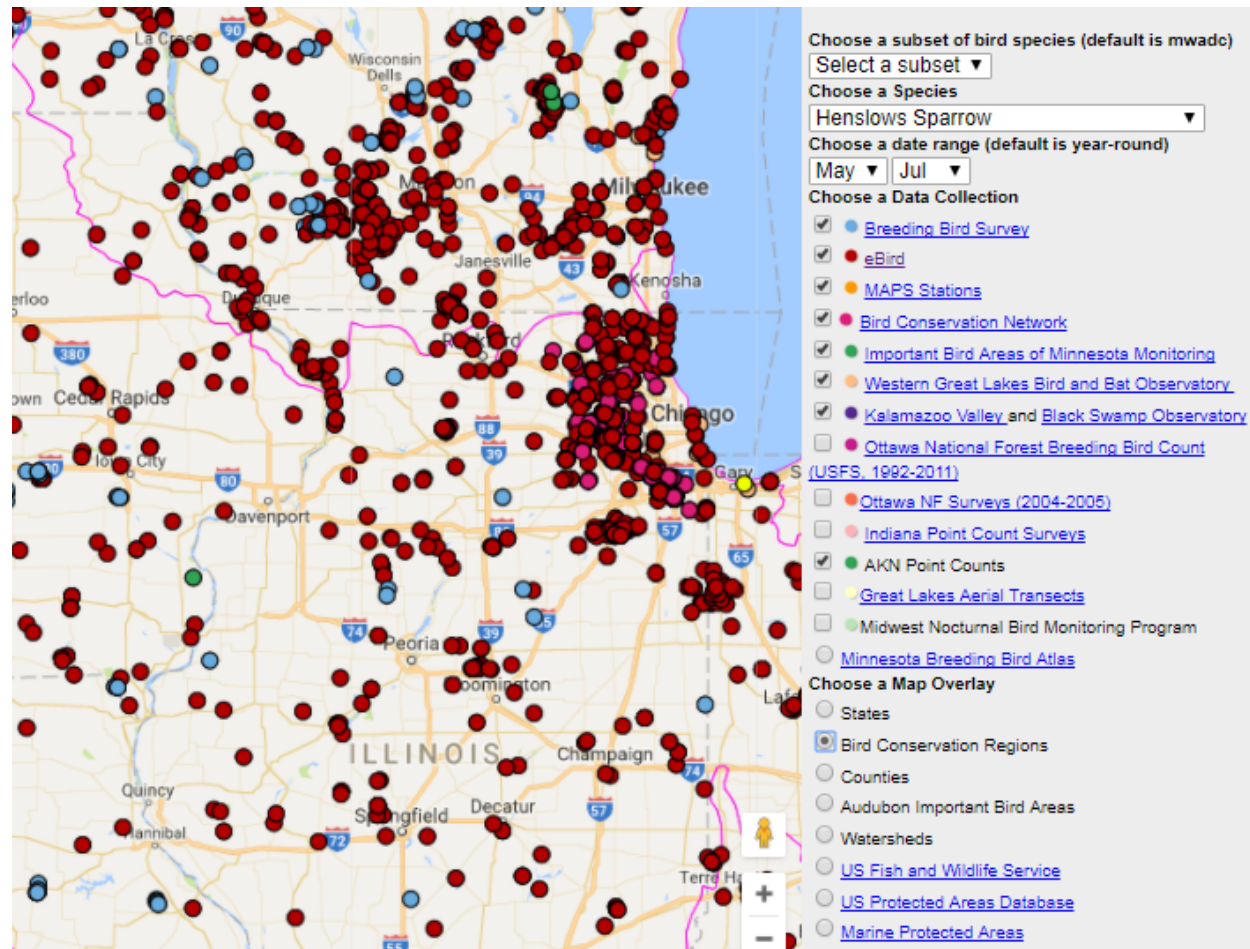
Area Search

Linear Transect

Secretive Marshbird

# Midwest Avian Data Center

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# Midwest Avian Data Center

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**IPaC** Information for Planning and Consultation

**U.S. Fish & Wildlife Service**

LOG IN

## Explore location

LOCAL OFFICE **MICHIGAN ESFO** ▾



LOCATION  
Baraga and Marquette  
counties, Michigan  
**CHANGE LOCATION**

## Resources

ENDANGERED SPECIES 5

**MIGRATORY BIRDS** 21

FACILITIES

WETLANDS !

 PRINT RESOURCE LIST

### What's next?

Define a project at this location to evaluate potential impacts, get an official species list, and make species determinations.

## Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act <sup>2</sup> and the Bald and Golden Eagle Protection Act <sup>3</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

The birds listed below are birds of particular concern either because they occur on the [USFWS Birds of Conservation Concern](#) (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ [below](#). This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see maps of where birders and the general public have sighted birds in and around your project area, visit E-bird tools such as the [E-bird data mapping tool](#) (search for the name of a bird on your list to see specific locations where that bird has been reported to occur within your project area over a certain timeframe) and the [E-bird Explore Data Tool](#) (perform a query to see a list of all birds sighted in

### RELATED LINKS

[Birds of Conservation Concern](#)

[Measures for avoiding and minimizing impacts to birds](#)

[Nationwide conservation measures for birds](#)

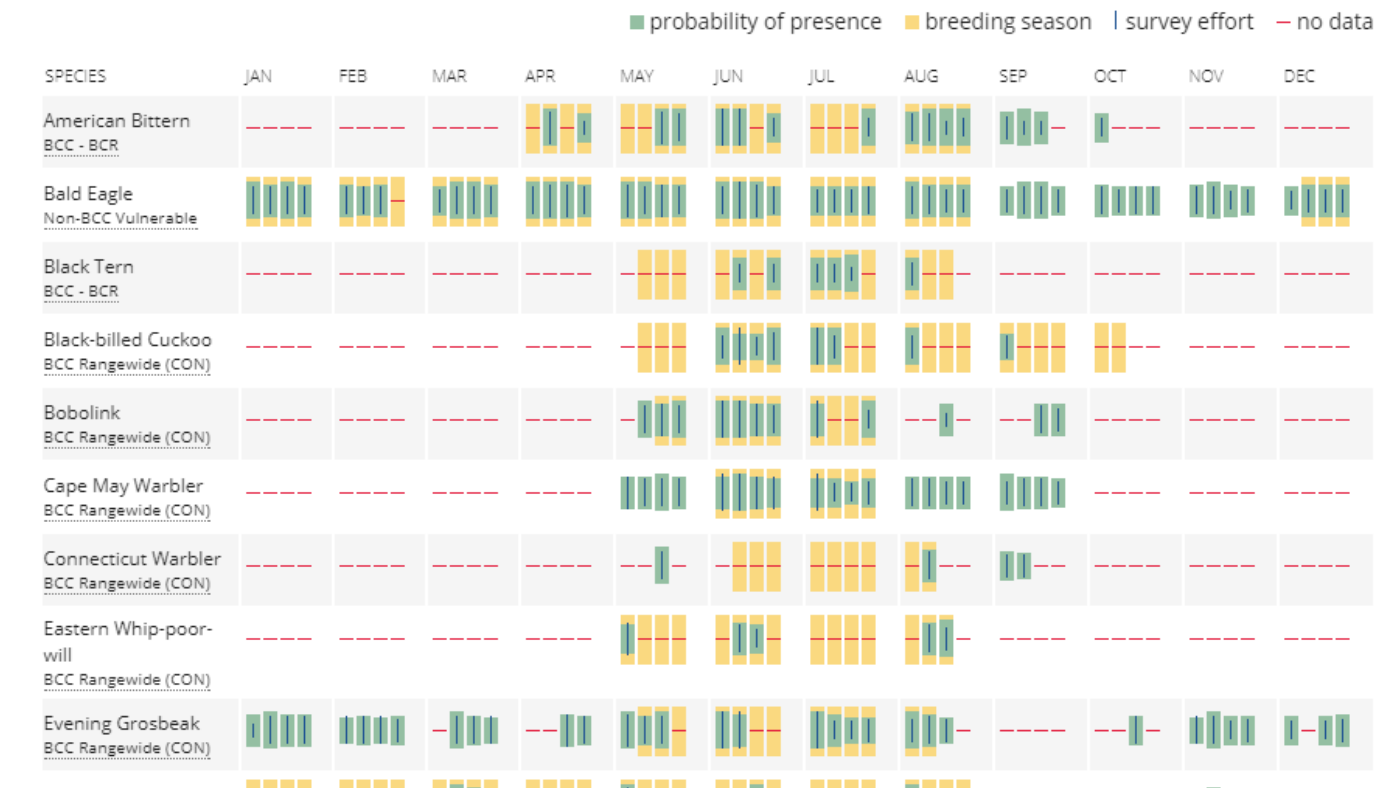
# Midwest Avian Data Center

# People, Data, and Technology for the Conservation of Birds

## Migratory Bird Probability of Presence for this Project

×

Tell me about these graphs.



# Midwest Avian Data Center

*People, Data, and Technology for the Conservation of Birds*

## Point Count Analysis

### Results

- [Point-level Estimates of Mean Species Richness from Point Count Data Summarized by Transect \(Table\)](#)
- [Point-level Estimates of Mean Species Richness from Point Count Data Summarized by Transect \(Graph\)](#)
- [Simple linear trend estimate of Richness \(Species per Point\) by Year \(Table\)](#)
- [Simple linear trend estimate of Richness \(Species per Point\) by Year \(Graph\)](#)

### Point-level Estimates of Mean Species Richness from Point Count Data Summarized by Transect


copy table to: [CSV](#) [HTML](#) [DOC](#) [PDF](#)


Transect	Year	Richness	Variance	Standard Error	Sample Size
SHLTRWDSTAND	2004	4.56	2.05	0.26	30
SHLTRWDSTAND	2005	3.61	1.23	0.2	30
SHLTRWDSTAND	2015	3.29	1.24	0.42	7

3 rows

#### Notes:

Total number of sampling events: 161. Total number of species: 44. Total number of observations: 650. Total number of sampling events with 0 species: 1

Species(Guilds) 

Locations 

CSV (Excel) file

CSV with Covariates



# Midwest Avian Data Center

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*People, Data, and Technology for the Conservation of Birds*

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## ADDITIONAL DECISION SUPPORT TOOLS

Map

Histogram

Population Model

STs

We encourage  
(presented  
activities in

### Avian Conservation

Conservation  
one hundred  
allows the  
geographic

### Central Habitat

Central Habitat  
prioritization  
strategical  
evaluate c

**North American Breeding Bird Survey Results and Analysis:** This website presents population change information for more than 400 species of North American birds, as estimated from the North American Breeding Bird Survey. Estimates of trend (interval-specific estimates of population change), annual indices of abundance, and maps of abundance and population change for these species are presented for a variety of regions.

### **Upper Mississippi River and Great Lakes Region State x BCR Habitat**

**Assessments:** State x Bird Conservation Region (BCR) Assessments were developed in 2013-2014 to serve as "stepped-down" versions of the UMRGLR JV Implementation Plan and include updated and refined information specific to each State x BCR area (land polygon) within the JV region. The assessment includes each land polygon's uniqueness for birds within the JV region, compares the areas of primary land-cover types to established bird habitat objectives, and provides management implications related to land cover trends and bird population and habitat objectives.

**Great Lakes Migratory Bird Stopover Portal:** The Nature Conservancy, in partnership with the U.S. Fish and Wildlife Service, many conservation organizations, universities, and corporations, developed this web portal to model stopover habitat and further conservation efforts for migrating birds in the Great Lakes region.

**Great Lakes Wind Atlas - Avian Histogram Tool:** The Great Lakes Wind Atlas serves as