

New Uses for BCN* Transect Data from Chicago Urban Parks

*Bird Conservation Network

Eric D. Gyllenhaal and Bob Fisher

Bird Conservation Network

<https://urbanbirdmonitor.org/>

BCN BREEDING BIRD CENSUS: THE NUMBERS

- **18** years of breeding bird monitoring data
- **165 ,000** individual observations
- **386, 000** birds – **193** breeding sp.
- over **2300** points within almost **300** sites.
- **250 +** monitors – **13,400** field hrs
- Factoring in travel time **65 to 75,000** hrs.

When Will We Update the Breeding Birds Trends Analysis?

- 95+% of the data is from point counts.
- We're learning how to incorporate both transect and timed observation data into the species population trends analysis process.
- BCN's goal: A complete update and publication of a new 'Trends' by late 2017, containing 18 years of data

WE NEED YOUR HELP TO DO THAT!

How Good is the Coverage?

- North American Annual Breeding Bird Survey (BBS)
3200 routes in the lower 48.
- BBS – **160,000** points yearly (each 24.5 mi. route has 50 points/stops).
- Scaling up the ‘density’ of BCN’s coverage, the BBS would need almost **30,000** routes to match the BCN coverage, based on land area.

WOODLAND BREEDERS

- 73% of our breeding species are stable, more than $\frac{1}{2}$ of that group even increasing in population.
- The rest are in decline, ground nesters especially.

GRASSLAND BREEDERS

- 70% of our breeding grassland species are stable, some increasing in population.
- A handful are declining, notably
 - Eastern Meadowlark
 - Sedge Wren
 - Grasshopper Sparrow

SHRUBLAND BREEDERS

- 60% of our breeding shrubland species are stable in population; a third of that group show modest gains.
- A handful are declining, notably

Warbling Vireo

American Goldfinch!

WHAT WE DON'T KNOW (YET)!

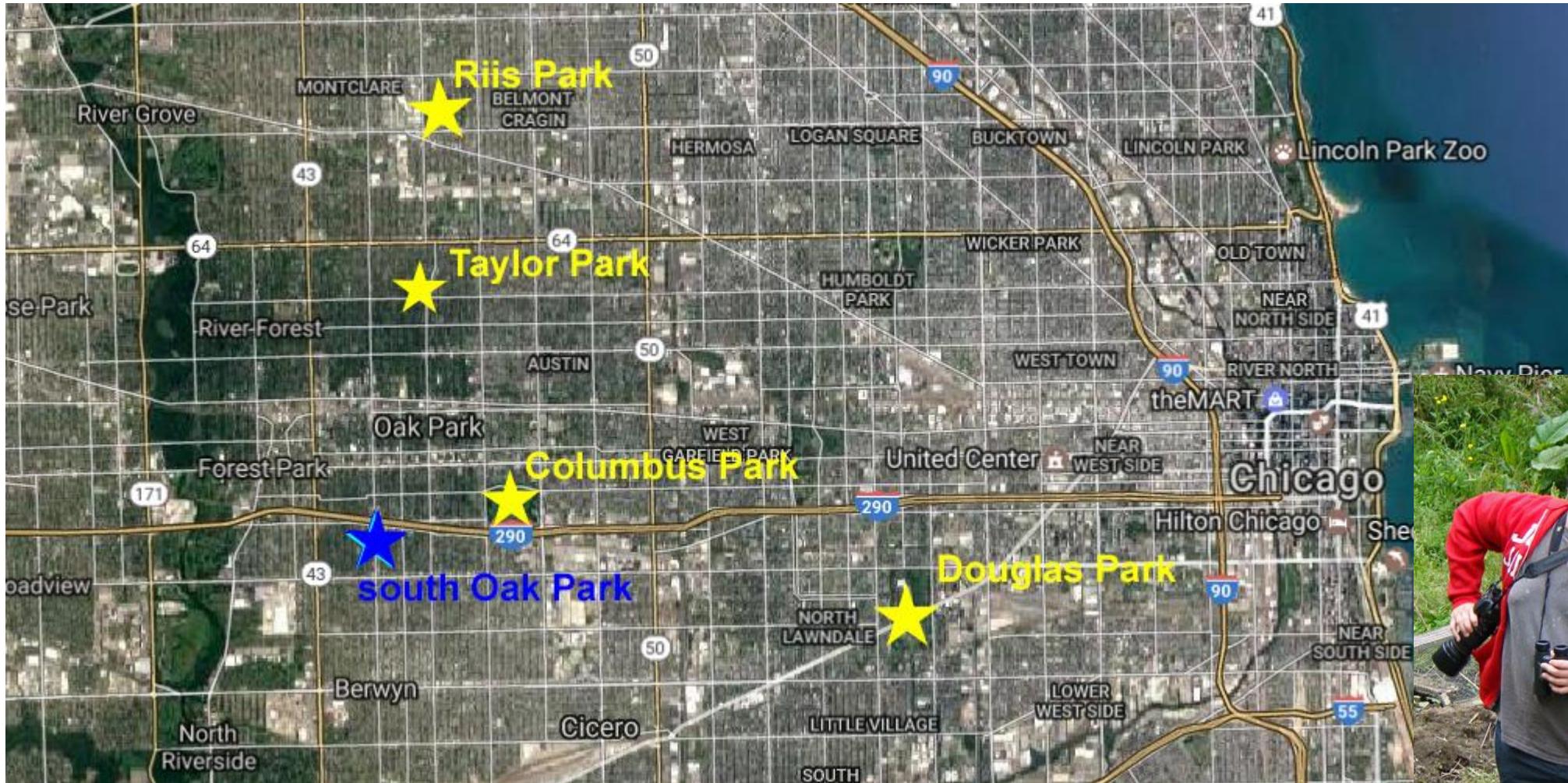
There's insufficient data on less common species (especially marshland birds) to establish reliable trends.

More years of data will steadily close that gap.

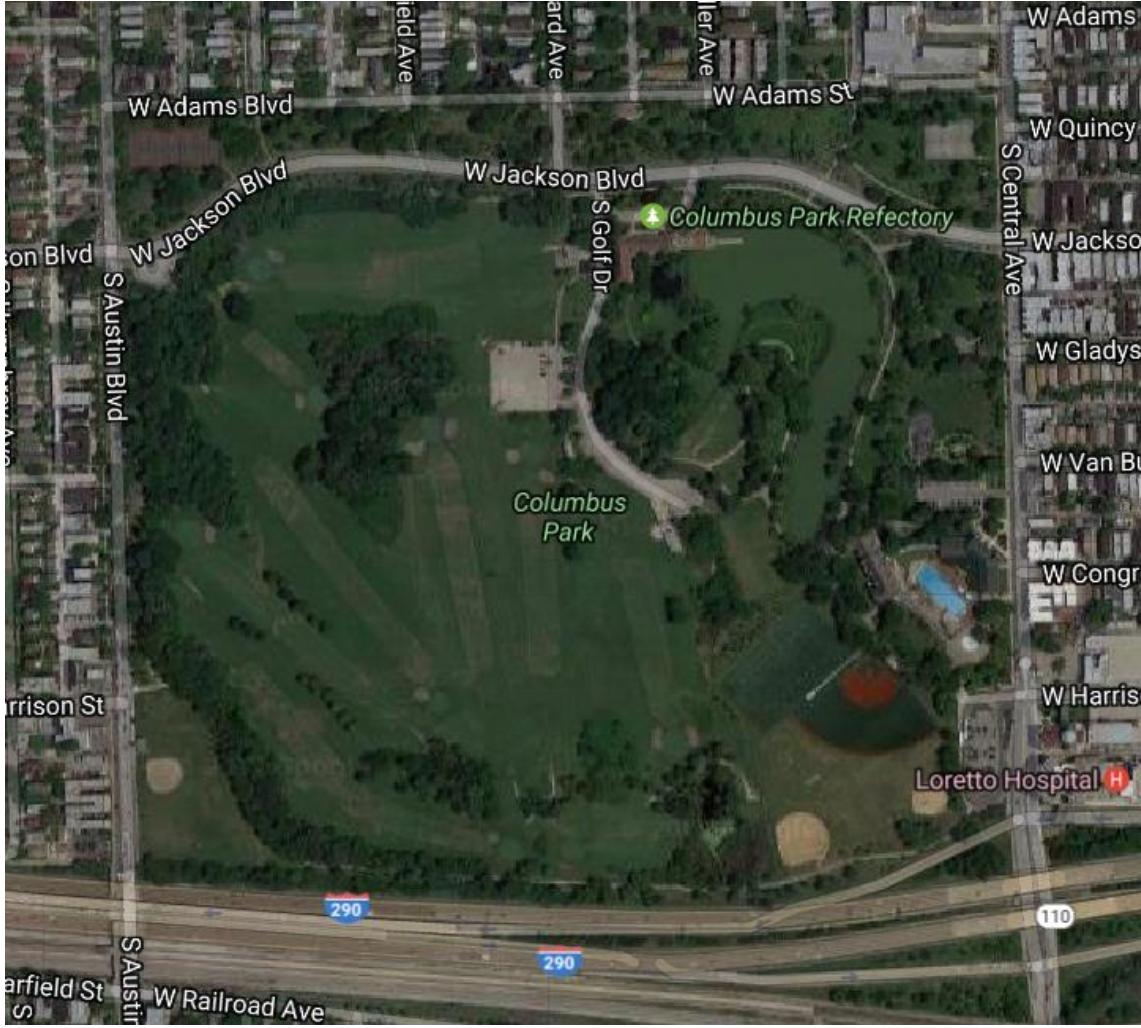
New ways to think about urban transect data:

- What data to collect
- How to analyze the data
- Who should see the data

<https://urbanbirdmonitor.org/>



Columbus Park

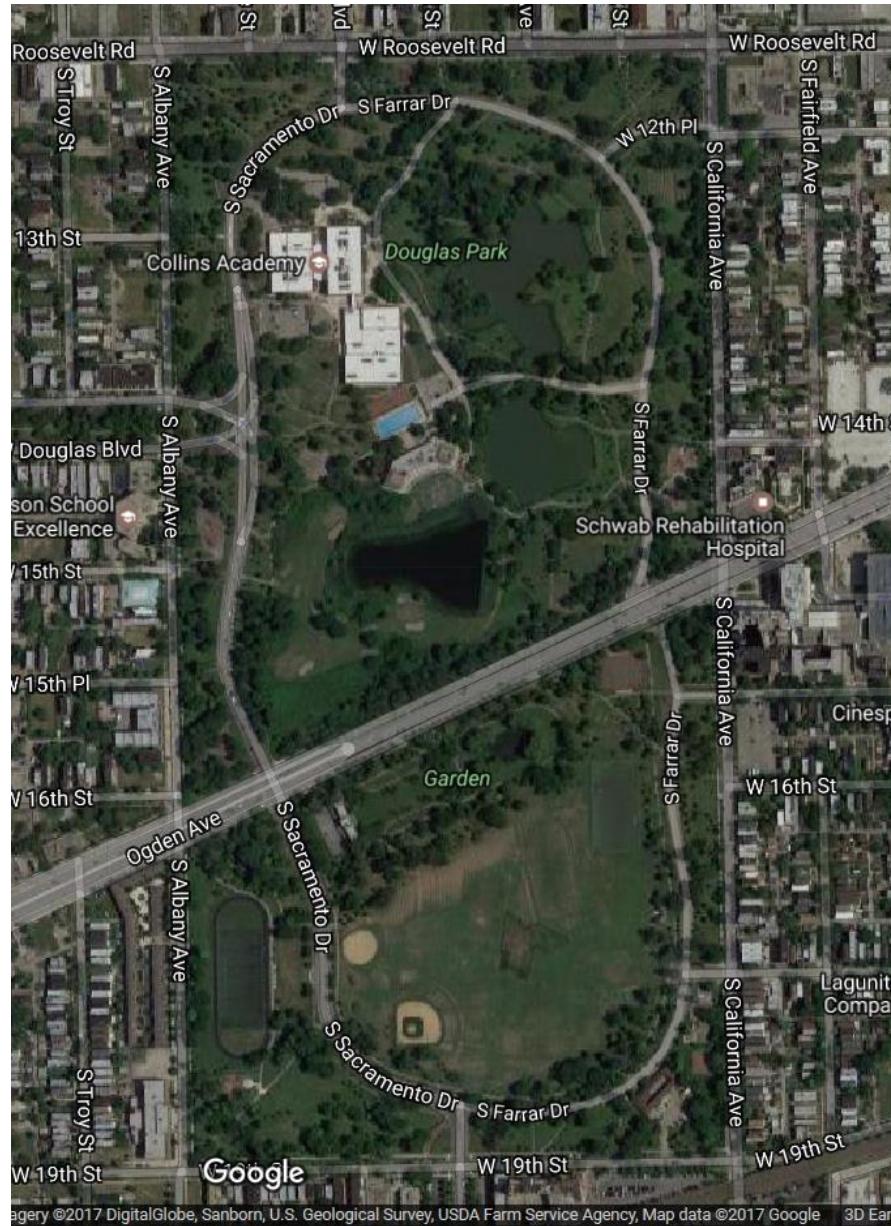


- **135 acres**
- **3.2 mile transect**
- **weekly for 10 years +**
- **751 checklists**



Douglas Park

- 218 acres
- 2.5 mile transect
- sporadic, then weekly for 5 years
- 321 checklists



Our initial monitoring goals:

- Build long bird lists for these underbirded parks.
- Let the birding world know...
- ...and be impressed!

182 species at Columbus thru 2012,

lots of IBET posts, and then...

the *Elaenia*!



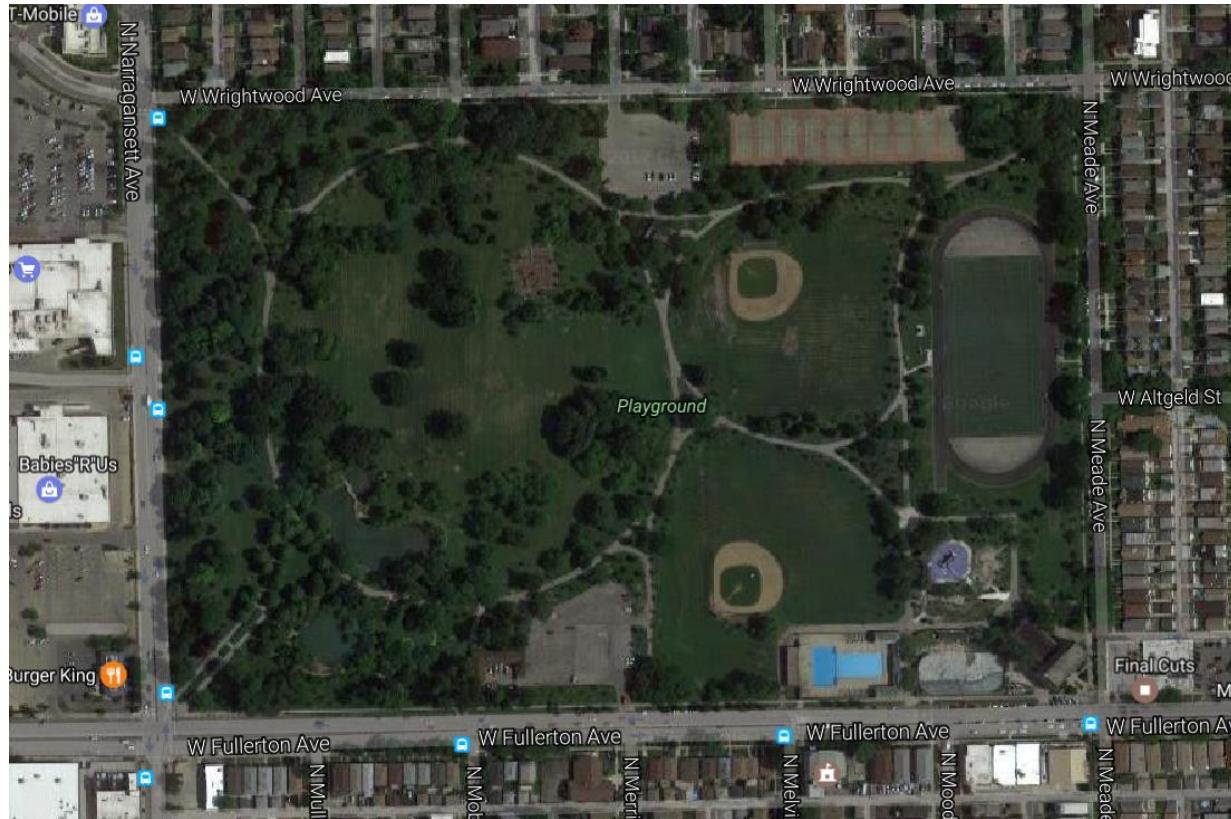
A Birder's Map of America



In what ways do these urban parks contribute to the lives of birds?

- Which bird species use which parks?
- How many individual birds use the parks?
- What resources do the birds use?
- When do they use the resources?
- How do they use the resources?

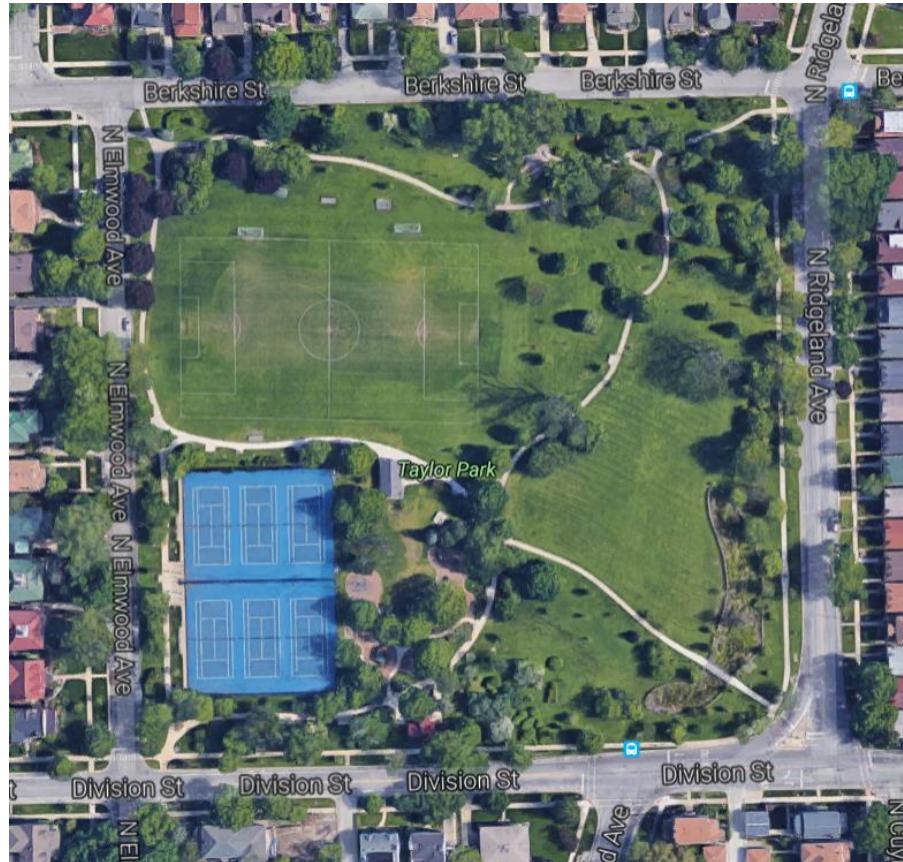
Riis Park



- **56 acres**
- **1.25 mile transect**
- **weekly for 3 years**
- **150 checklists**



Taylor Park

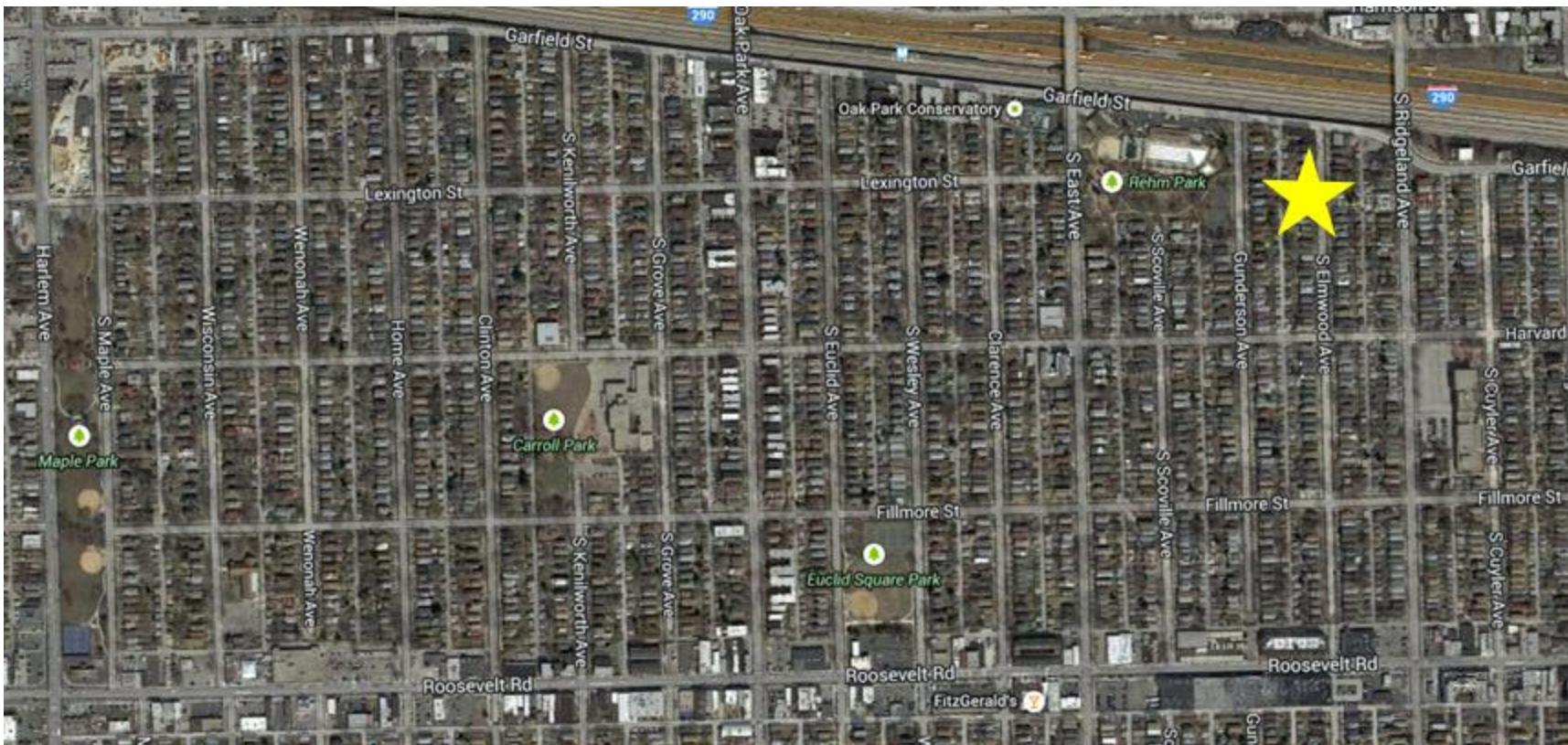


- **10 acres**
- **0.8 mile transect**
- **weekly for 3 years**
- **148 checklists**



south Oak Park – wrong side of two sets of tracks

- 3.2 mile transect
- weekly for 8 years +
- 797 checklists
- point counts from yard
- 9 years daily +
- 3,078 checklists



What Data Should We Collect?

eBird

[Home](#) | [About](#) | [Submit Observations](#) | [Explore Data](#) | [My eBird](#) | [Help](#)

Hello Judy Pollock (judy pollock) | [Preferences](#) | [Sign Out](#)

[Language](#) ▾

View and Explore Data



[Explore a Region](#)

Recent sightings, checklists, birding activity, best hotspots, and top birders for a county, state, province, or country.



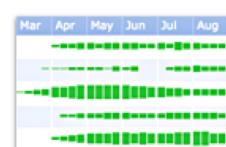
[Explore Hotspots](#)

Discover the best places for birding nearby or around the world.



[Species Maps](#)

Explore interactive range maps by species or subspecies — zoom in for details



[Bar Charts](#)

Find out what birds to expect throughout the year in a region or location

[Your Totals](#)

Track your totals and compare with other eBirders.

[Yard Totals](#)

How many species and checklists have you submitted for your yard?

[Patch Totals](#)

How many have you submitted for your favorite birding patches?

[Top 100](#)

Compare with the top eBirders in your region.

[Species You Need](#)

Tools to find species you haven't seen yet.

[Target Species](#) NEW

Prioritized list of county, state, or life birds that you can expect to find in a

Checklist S23344225

Location	Douglas Park, Chicago, Cook County, Illinois, US (Map) (Hotspot)
Date and Effort	Sat May 09, 2015 10:40 AM
Protocol:	Traveling
Party Size:	2
Duration:	1 hour(s), 40 minute(s)
Distance:	1.5 mile(s)
Observers:	Aaron Gyllenhaal List , Eric D Gyllenhaal
Comments:	Submitted from BirdLog NA for iOS, version 1.8
Species	65 species (+1 other taxa) total
	37 Canada Goose
	2 Wood Duck
	6 Mallard
	1 Pied-billed Grebe
	4 Green Heron
	3 American Coot (Red-shielded)

Checklist S23344225

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Date and Effort: Sat May 09, 2015 10:40 AM
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Party Size: 2
Duration: 1 hour(s), 40 minute(s)
Distance: 1.5 miles
Observers: Aaron Gyllenhaal [List](#), Eric D Gyllenhaal
Comments: Submitted from BirdLog NA for iOS, version 1.8

Species: 65 species (+1 other taxa) total

37	Canada Goose	Remove 37 species
2	Wood Duck	Remove 2 species
6	Mallard	Remove 6 species
1	Pied-billed Grebe	Remove 1 species
4	Green Heron	Remove 4 species
3	American Coot (Red-shielded)	Remove 3 species
100	Ring-billed Gull	Remove 100 species
3	Rock Pigeon (Feral Pigeon)	Remove 3 species
10	Chimney Swift	Remove 10 species
1	Downy Woodpecker	Remove 1 species
1	Northern Flicker	Remove 1 species
1	Eastern Wood-Pewee	Remove 1 species
1	Alder/Willow Flycatcher (Tyrannus Flycatcher)	Remove 1 species
1	Least Flycatcher	Remove 1 species
1	Eastern Phoebe	Remove 1 species
1	Wandering Vireo	Remove 1 species
3	American Crow	Remove 3 species
1	Northern Rough-winged Swallow	Remove 1 species
5	Bank Swallow	Remove 5 species
2	Black-capped Chickadee	Remove 2 species
3	House Wren	Remove 3 species
1	Blue-gray Gnatcatcher	Remove 1 species
1	Ruby-crowned Kinglet	Remove 1 species
1	Varied Thrush	Remove 1 species
1	Gray-cheeked Thrush	Remove 1 species
2	Swainson's Thrush	Remove 2 species
30	American Robin	Remove 30 species
15	Gray Catbird	Remove 15 species
3	Grown Thrasher	Remove 3 species
10	European Starling	Remove 10 species
1	Ovenbird	Remove 1 species
6	Northern Waterthrush	Remove 6 species
1	Tennessee Warbler	Remove 1 species
3	Orange-crowned Warbler	Remove 3 species
2	Nashville Warbler	Remove 2 species

[Print](#) [Download](#) [Email Yourself](#) [Delete](#)

[Share in Others in Your Party](#) [Send Invite](#)

[Submit another for...](#)

[Same location and date](#)
Douglas Park, Chicago, Cook County, Illinois, US on Sat May 09, 2015

[Same location](#)
Douglas Park, Chicago, Cook County, Illinois, US

[Same area and date](#)
Chicago, Illinois, Douglas Park, Chicago, Cook County, Illinois, US on Sat May 09, 2015

[Same area](#)
Chicago, Illinois, Douglas Park, Chicago, Cook County, Illinois, US

[Same date](#)
Sat May 09, 2015

[Different location and date](#)

Hide from BirdLog Output

[View Change Portal](#)

Canada Goose

[Hide Details](#)**Details:**

Add text, photos, audio, or video describing the bird, its habitat, and behavior...

[X](#)**Media:**

Upload up to 10 files (JPG, PNG, GIF, MP3, WAV, or M4A). Max size: 10mb for images, 250mb for audio.

[X](#)

Drop Files Here...

or

Select

Age & Sex:

	Juvenile	Immature	Adult	Age Unknown
Male				
Female				
Sex Unknown				

[X](#)**Breeding:**

Choose the highest possible code...

Help...

[X](#)

Add data...

Age & Sex

Breeding Code

Oiled Birds

Media

Details

Canada Goose

[Hide Details](#)**Details:** X**Media:**

Upload up to 10 files (JPG, PNG, GIF, MP3, WAV, or M4A). Max size: 10mb for images, 250mb for audio. X

Choose the highest possible code...

- NY Confirmed--Nest with Young
- NE Confirmed--Nest with Eggs
- FS Confirmed--Carrying Fecal Sac
- FY Confirmed--Feeding Young
- CF Confirmed--Carrying Food
- FL Confirmed--Recently Fledged Young
- ON Confirmed--Occupied Nest
- UN Confirmed--Used Nest (enter 0 if no birds seen)
- DD Confirmed--Distraction Display
- NB Confirmed--Nest Building
- CN Confirmed--Carrying Nesting Material
- PE Confirmed--Physiological Evidence

Age & Sex:

- B Probable--Woodpecker/Wren Nest Building
- A Probable--Agitated Behavior
- N Probable--Visiting Probable Nest site
- C Probable--Courtship, Display or Copulation
- T Probable--Territorial Defense
- P Probable--Pair in Suitable Habitat
- M Probable--Multiple (7+) Singing Males

Age Unknown

Breeding:

Choose the highest possible code... X

Help...

[Add data...](#)[Age & Sex](#)[Breeding Code](#)[Oiled Birds](#)[Media](#)[Details](#)

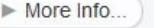
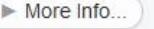
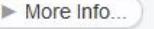
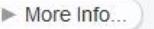
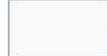
Additional data:

- Breeding codes
- Number of singers, breeding details
- Specific locations of species, behaviors
- Sex and age data (but not always).

Goose marker data:

- Neck or tarsus, codes
- Specific location, associations
- Photos



*** Observation Date:**Jan 29 2017 *** = Required***** Observation Type:** TransectYou traveled a specific distance — walking a trail, driving a refuge loop, field birding.  Point CountYou stayed at a fixed location — watching from a window, hawkwatching, seawatching.  HistoricalBirding was your [primary purpose](#), but you cannot estimate start time, duration, and distance; use Traveling or Stationary if you can estimate these.  IncidentalBirding was [not](#) your [primary purpose](#) — noting a bird while driving or gardening.  Other[Choose...](#) *** Start Time (AM/PM):** :   *** Duration:** hrs.  min.*** Distance:**  miles *** Party Size:**

Enter the total number of people in your birding party

Comments:



Even more data:

- Weather and ground/water conditions
- Route through park/site
- Flocks: Single species, mixed species
- “Missing” species
- Available resources (fruit, seeds, water)

Checklist S30282135

Location Douglas Park, Chicago, Cook County, Illinois, US ([Map](#)) ([Hotspot](#)) [Edit Location](#)

Date and Effort Sat Jun 18, 2016 6:38 AM [Edit Date and Effort](#)

Protocol: Transect
Party Size: 1
Duration: 3 hour(s), 40 minute(s)
Distance: 2.6 mile(s)
Observers: Eric D Gyllenhaal
Comments: Mostly sunny with high clouds towards the end, lower 60s to upper 80s. I walked around north and east lagoons first, then through the sanctuary, and finished south of Ogden (with a last look at the island at the end). The lawns and fields were all dry, with some of the grass on the soccer fields looking pretty brown. The sanctuary had 30 bird species, south of Ogden 15 species, and the rest of the park 33 species.

Species 42 species (+1 other taxa) total [Hide Media](#) [Edit Species List](#)

93 Canada Goose [Remove Species](#)
Flock of 89 on and beside east lagoon (which has the least emergent vegetation). Neck collars 00H and 56B in this group. Pair with 2 young by the Lily Pond.



7 Pied-billed Grebe [Remove Species](#)
Parent and 6 young on sanctuary lagoon.

Age & Sex	Juvenile	Immature	Adult	Age Unknown
Male				
Female				
Sex Unknown	6		1	

Breeding Code: FL Confirmed--Recently Fledged Young



ML30331391 [Macaulay Library](#)

© Eric D Gyllenhaal

16 Barn Swallow [Remove Species](#)
One landed on nest and stayed as I took a photo.

Breeding Code: CF Confirmed--Carrying Food



ML30331431 [Macaulay Library](#)

© Eric D Gyllenhaal
Those look like bugs in the parents beak.

2 Black-capped Chickadee [Remove Species](#)
One sang.

Breeding Code: S Possible--Singing male

1 Blue-gray Gnatcatcher [Remove Species](#)
One for sure along Ogden, a couple more possibles (but could not confirm).

20 American Robin [Remove Species](#)
Included 10 singers and a couple of independent juveniles.

Breeding Code: M Probable--Multiple (7+) Singing Males

11 Gray Catbird [Remove Species](#)
Six were singing, the others calling. One group of 3 may have been a family.

Breeding Code: S7 Probable--Singing male Present 7+ days

16 Barn Swallow [Remove Species](#)
One landed on nest and stayed as I took a photo.

Breeding Code: CF Confirmed--Carrying Food



ML30331431 [Macaulay Library](#)

© Eric D Gyllenhaal
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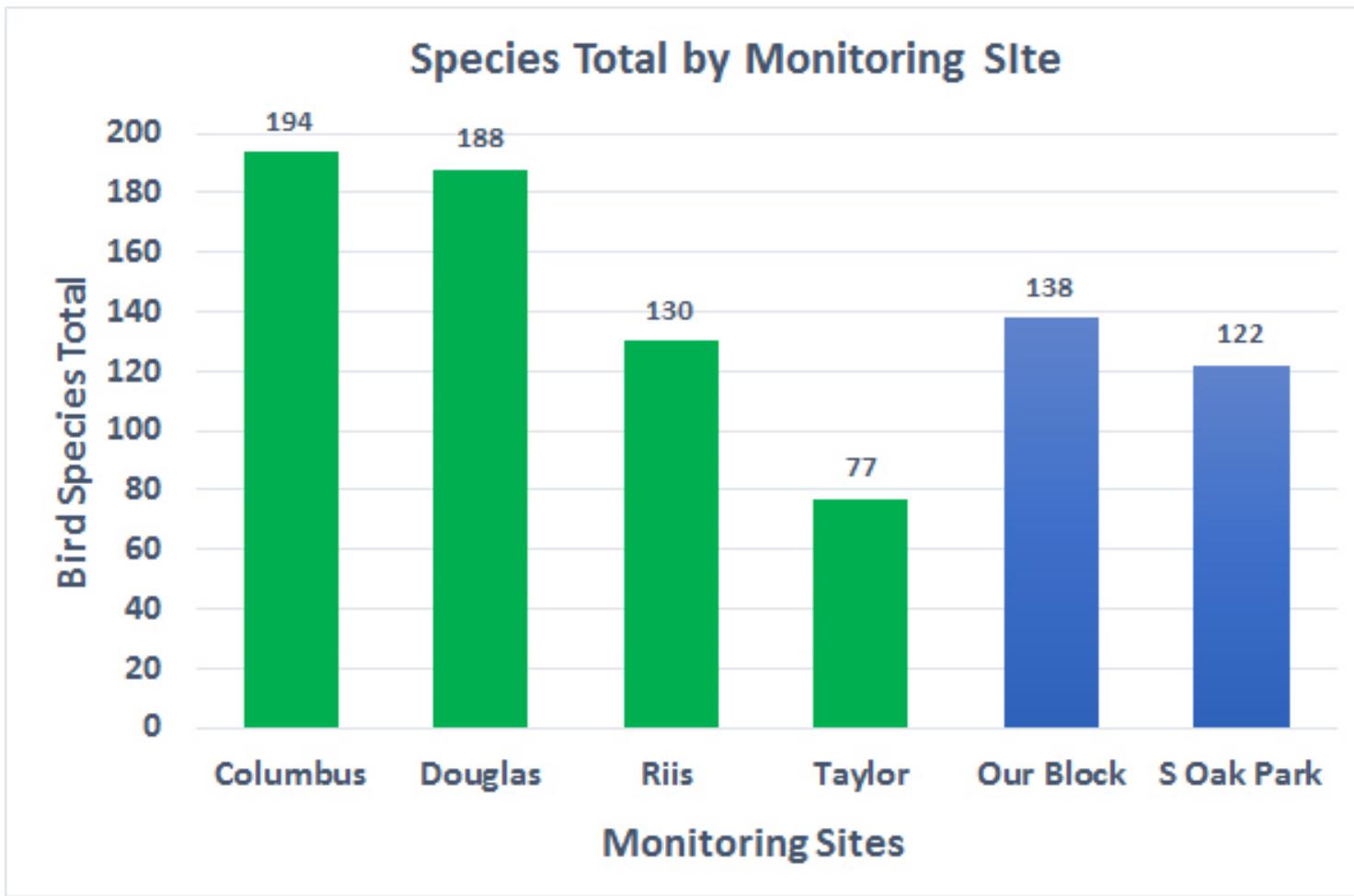
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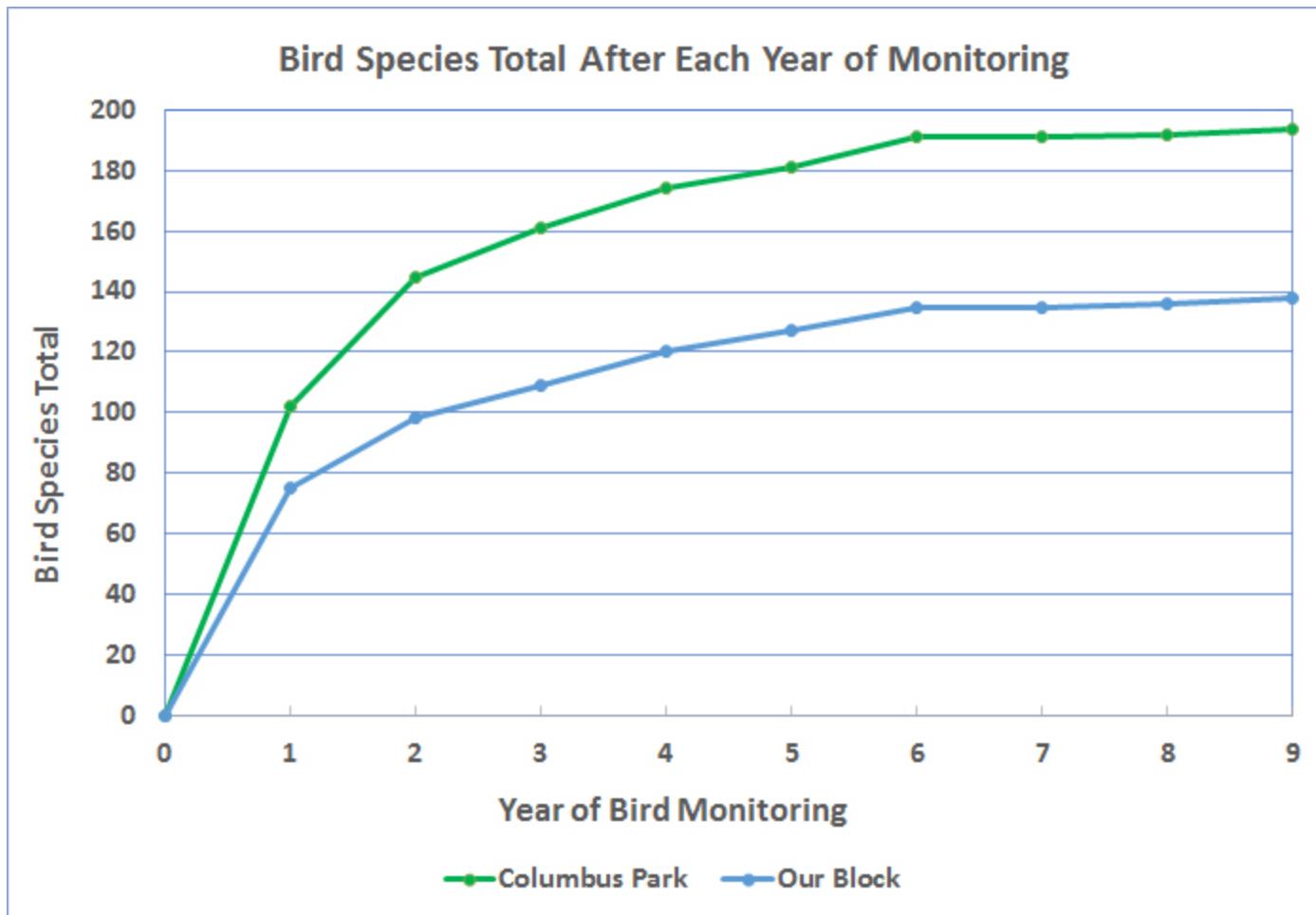
Breeding Code: S7 Probable--Singing male Present 7+ days

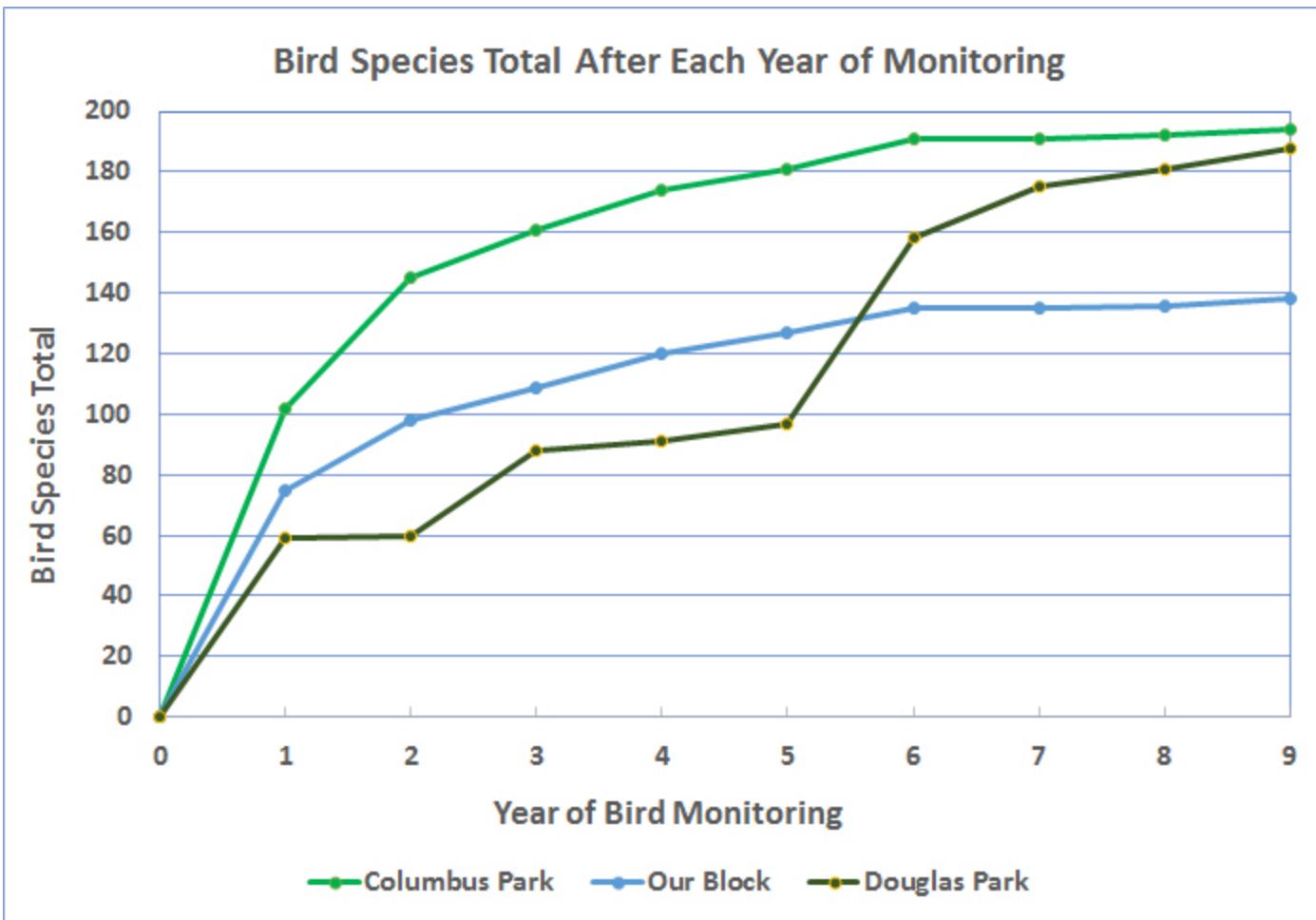
Tell the story of the visit, but in taxonomic order

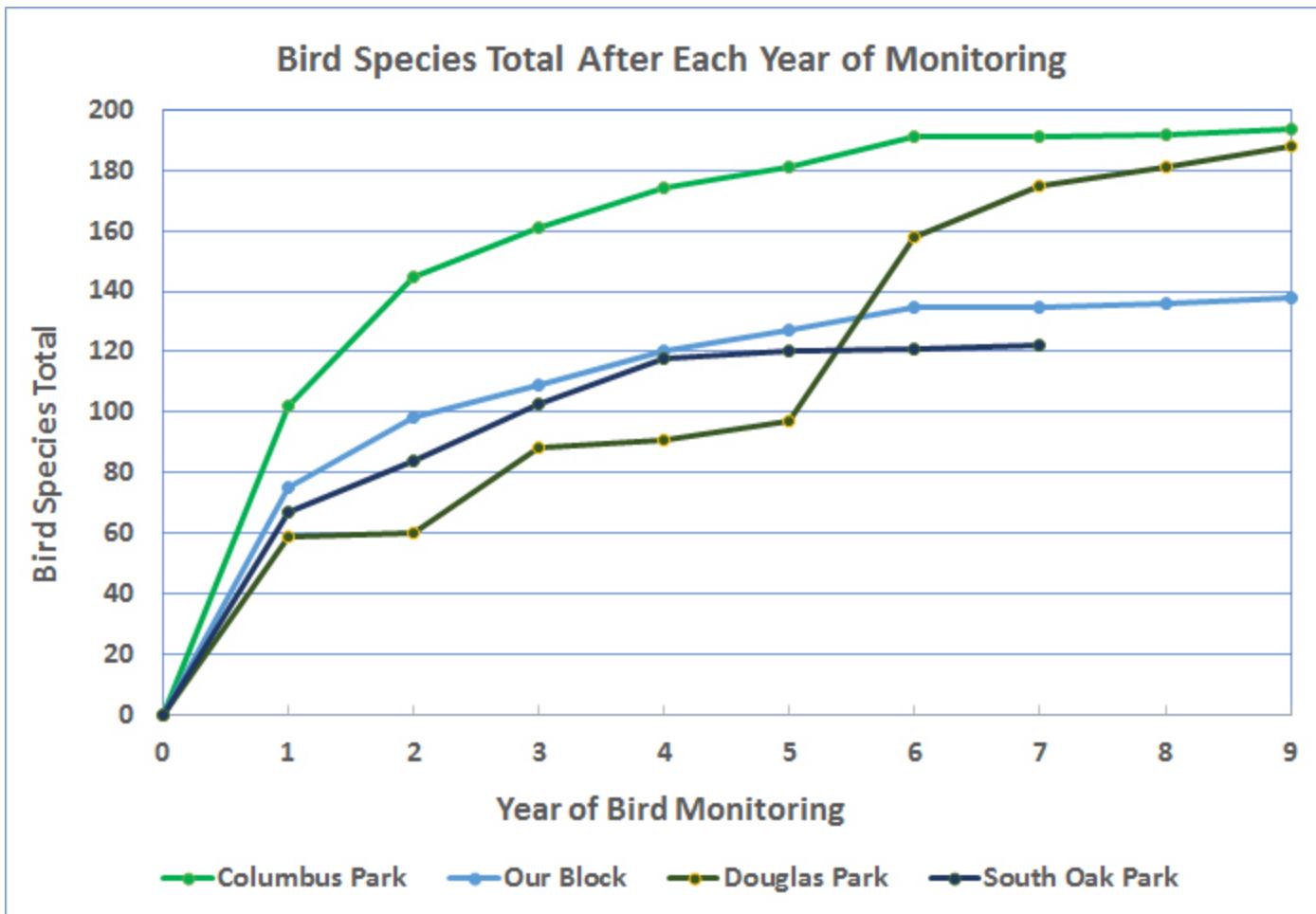
How Can We Analyze
the Data?

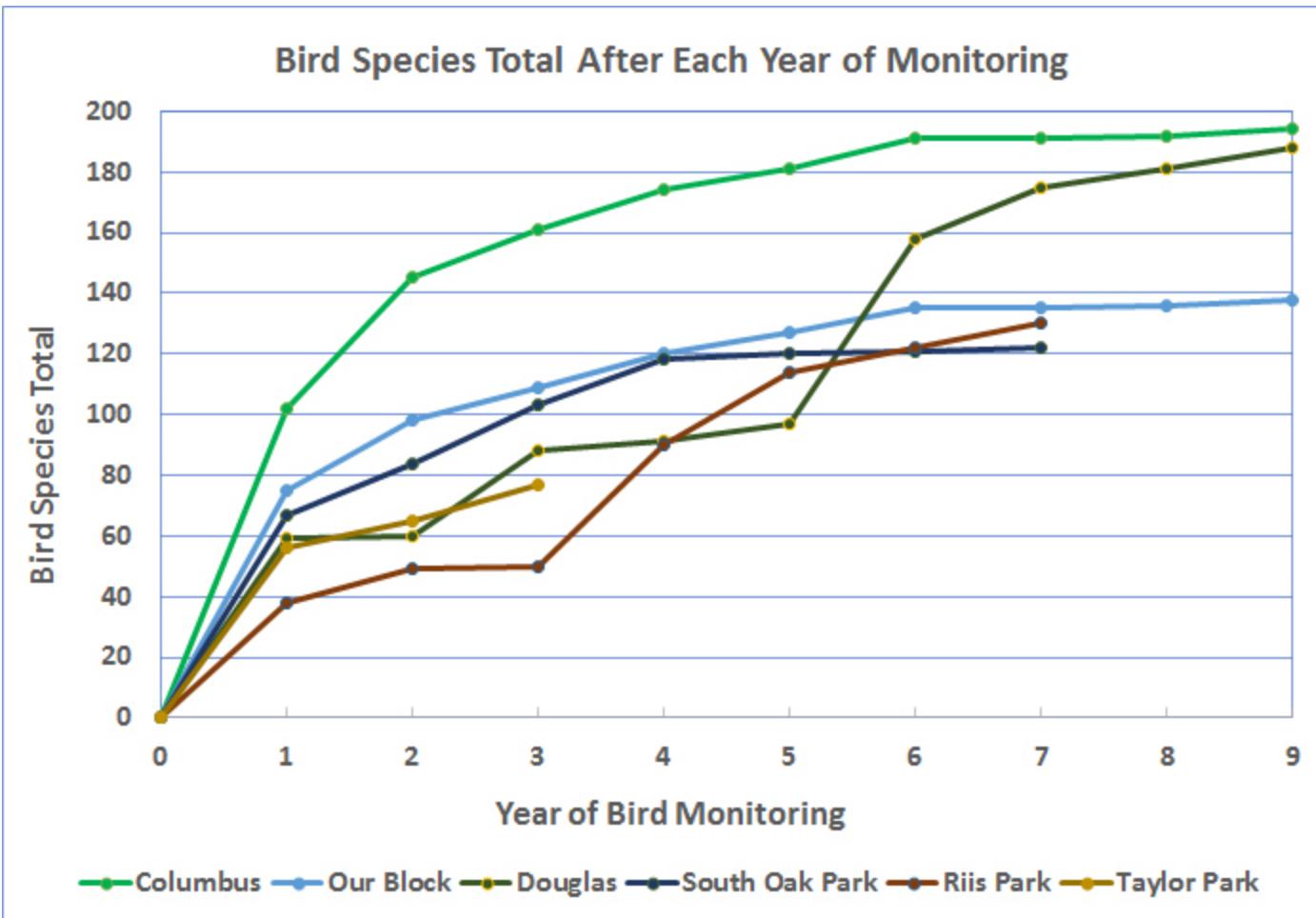
Total Bird Species Seen at Each Monitoring Locality







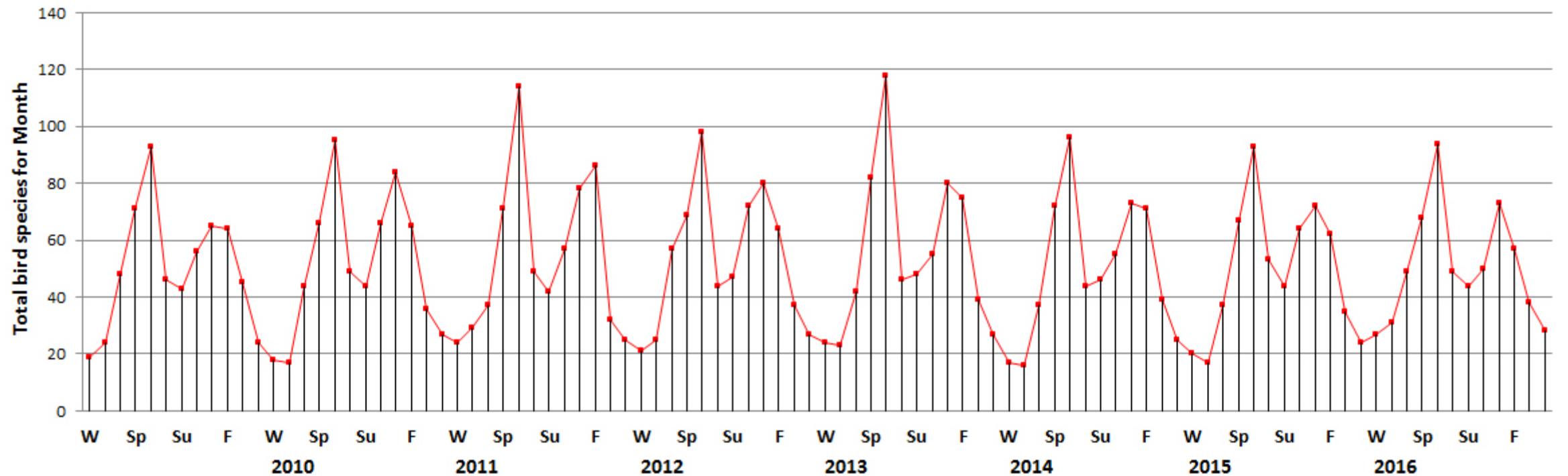




Total Bird Species Each Month

Bird Species at Columbus Park

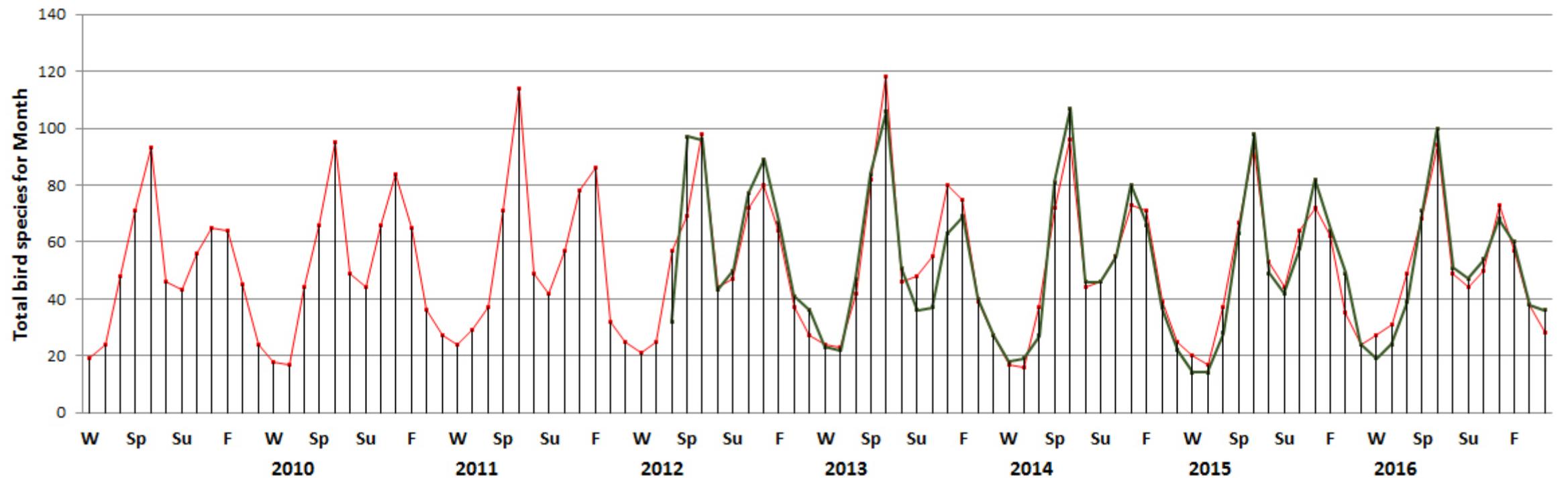
(Total bird species for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Bird Species at Columbus Park and Douglas Park

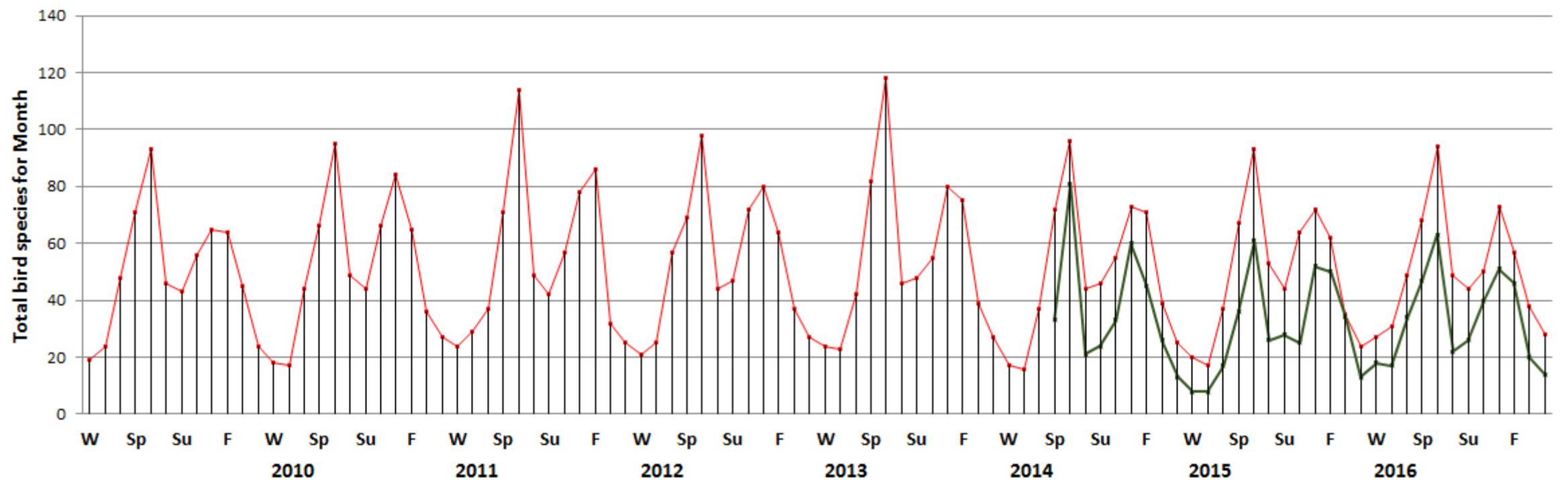
(Total bird species for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Bird Species at Columbus Park and Riis Park

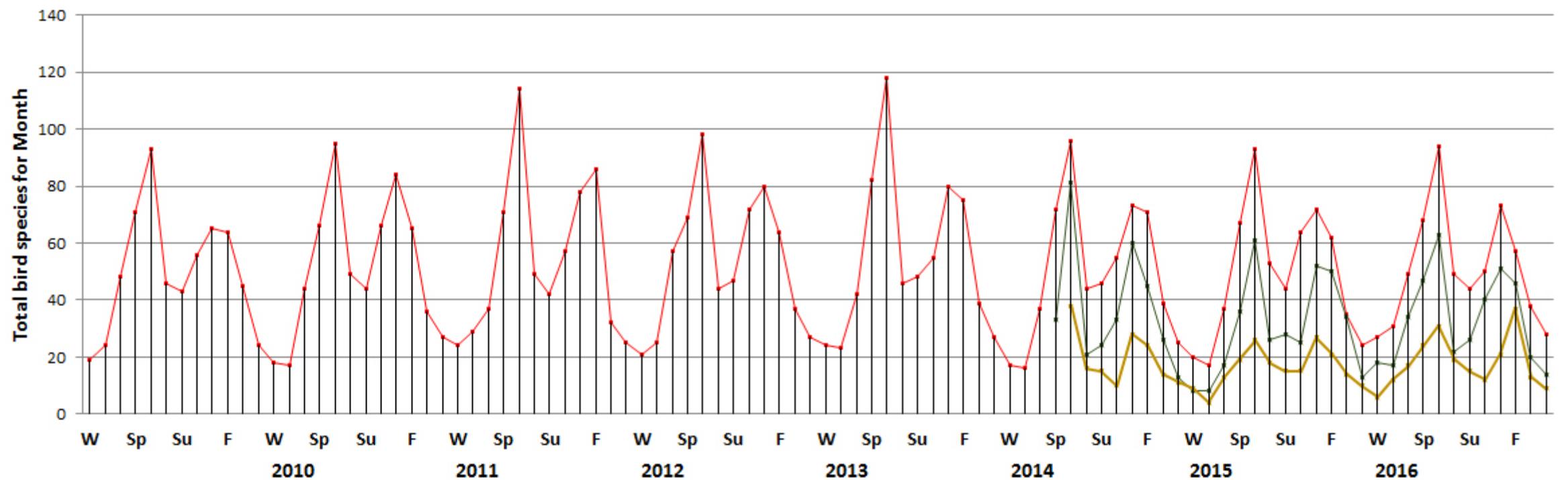
(Total bird species for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Bird Species at Columbus Park, Riis Park, and Taylor Park

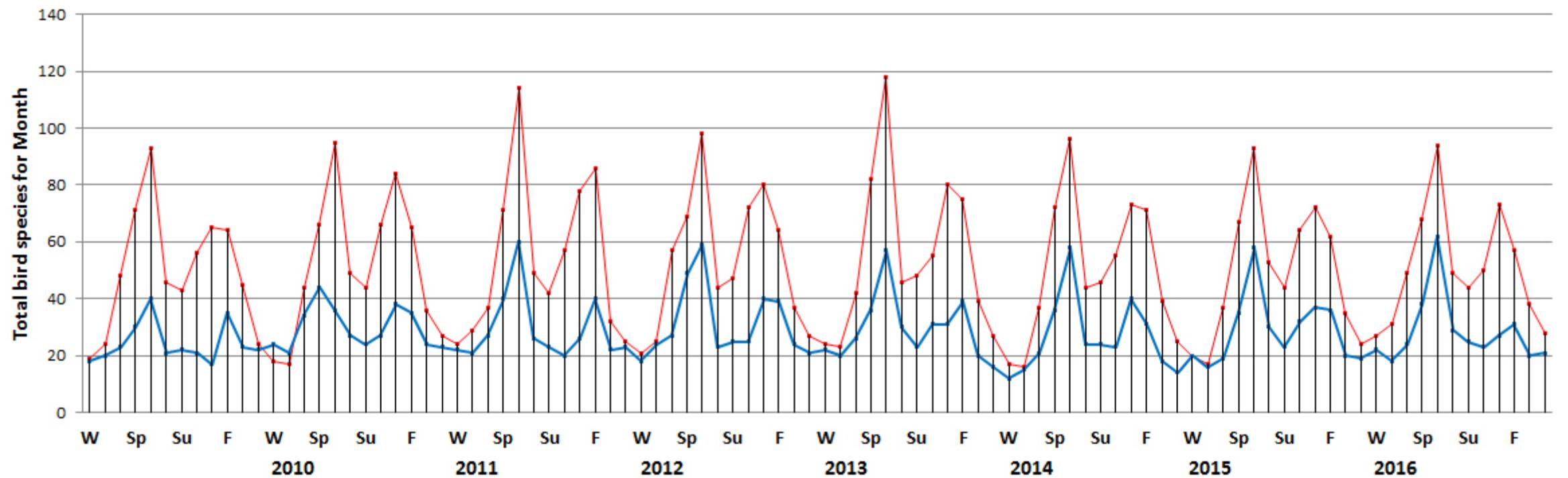
(Total bird species for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Bird Species at Columbus Park and South Oak Park

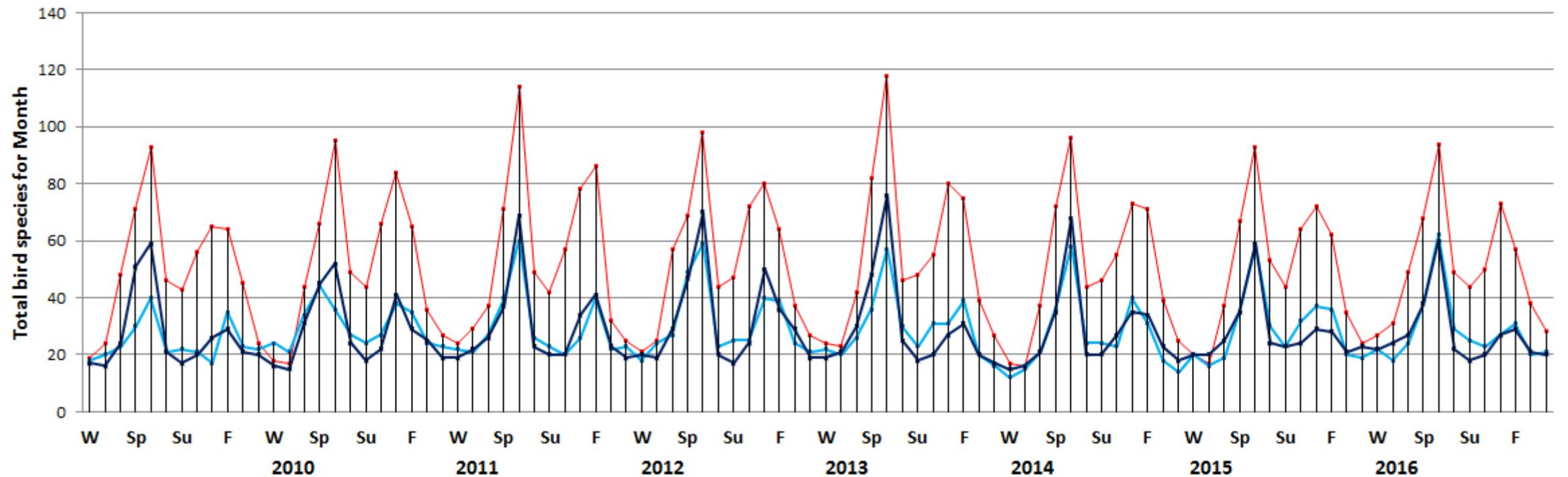
(Total bird species for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Bird Species at **Columbus Park**, **South Oak Park**, and **Our Block**

(Total bird species for each month, 2009-2016)

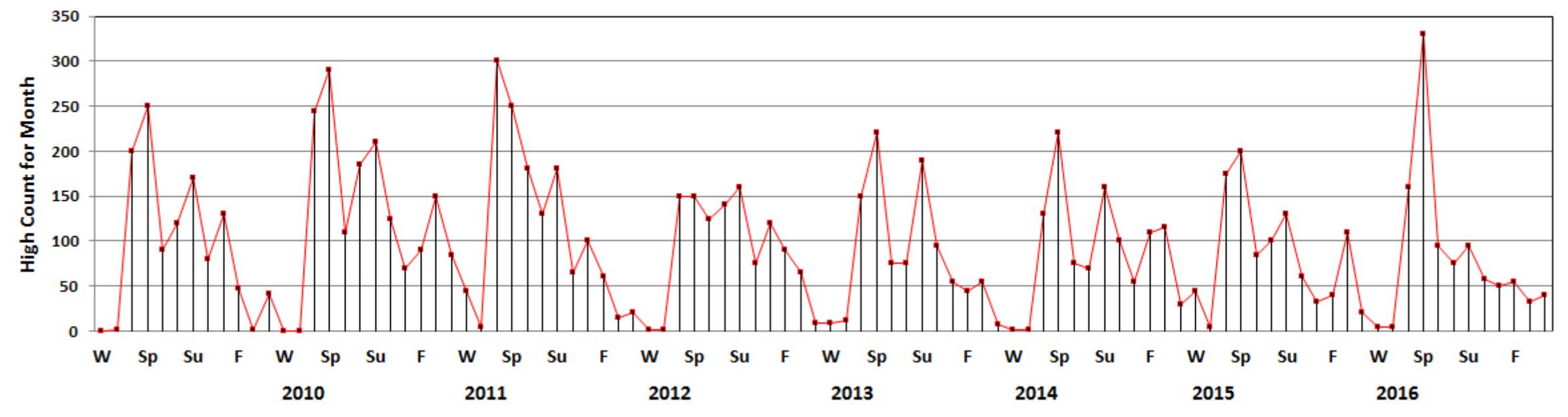


KEY: W - Jan Sp - Apr Su - Jul F - Oct

High Counts by Month for Individual Species

American Robin at Columbus Park

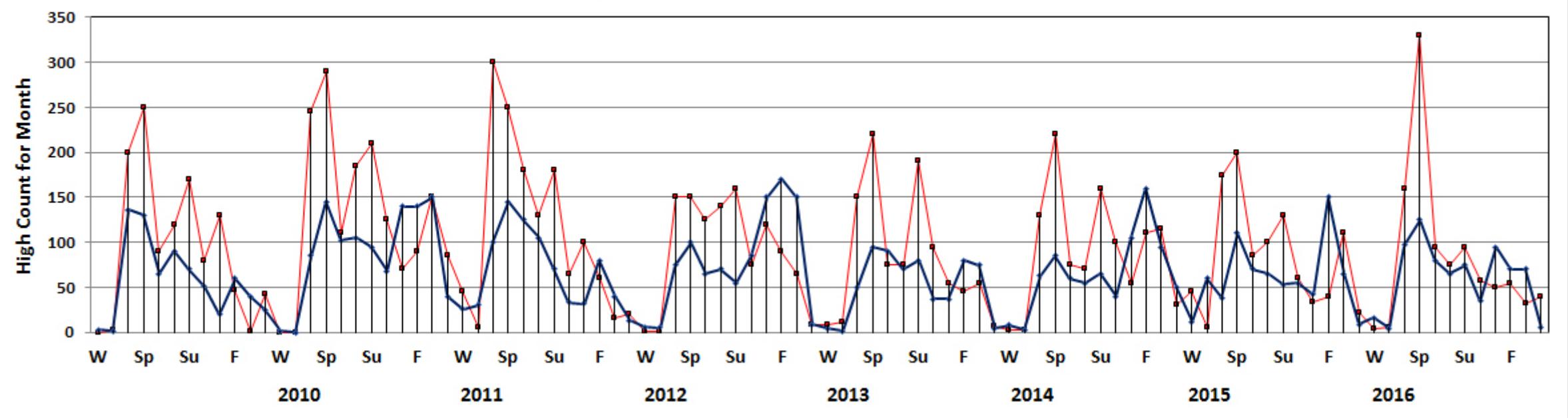
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

American Robin at **Columbus Park** and **South Oak Park**

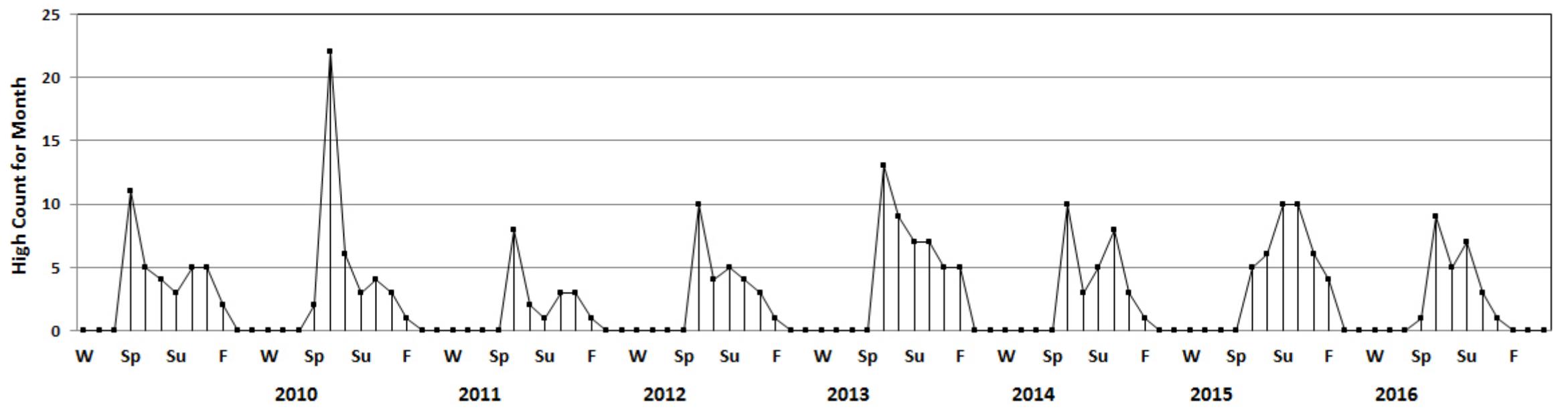
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Gray Catbird at Columbus Park

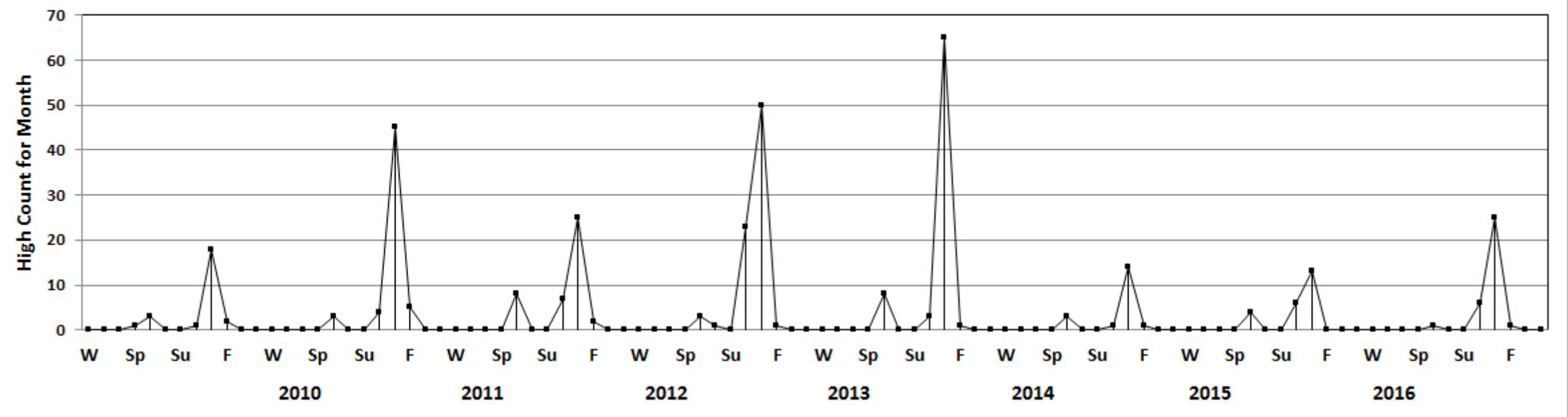
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Swainson's Thrush at Columbus Park

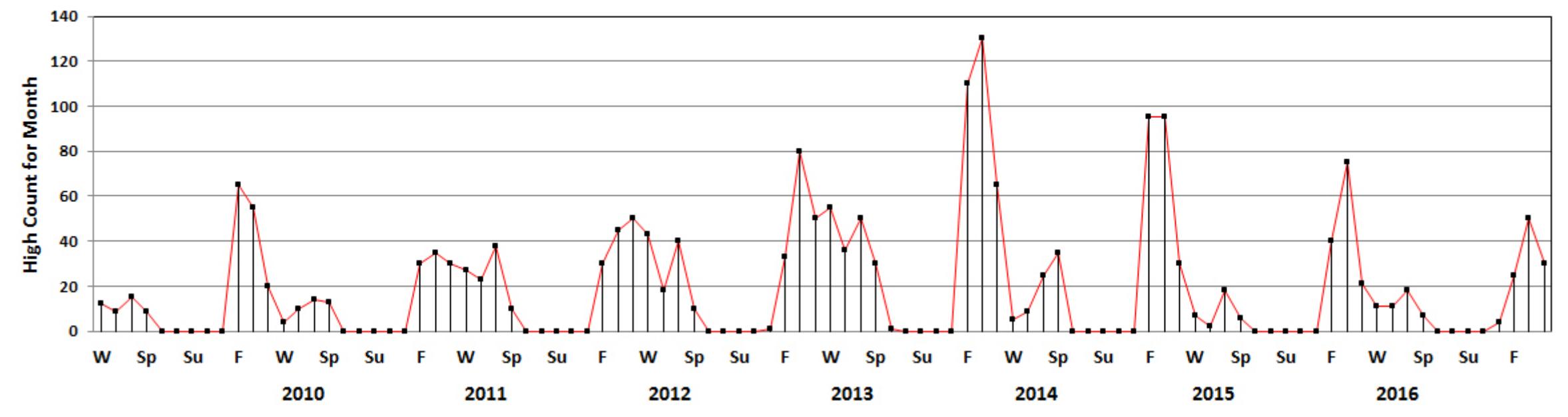
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Dark-eyed Junco at Columbus Park

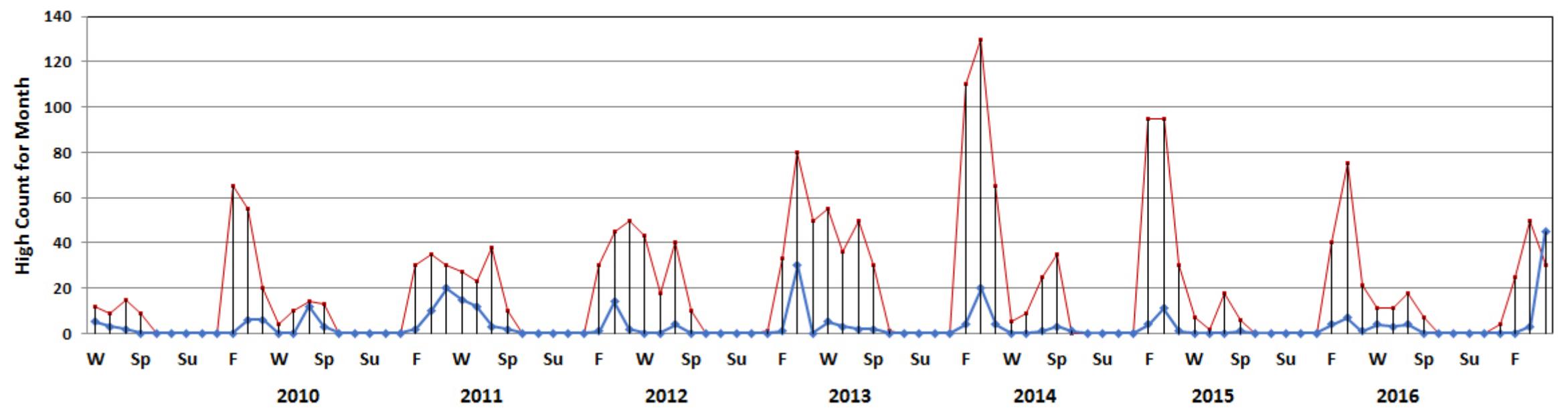
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Dark-eyed Junco and American Tree Sparrow at Columbus Park

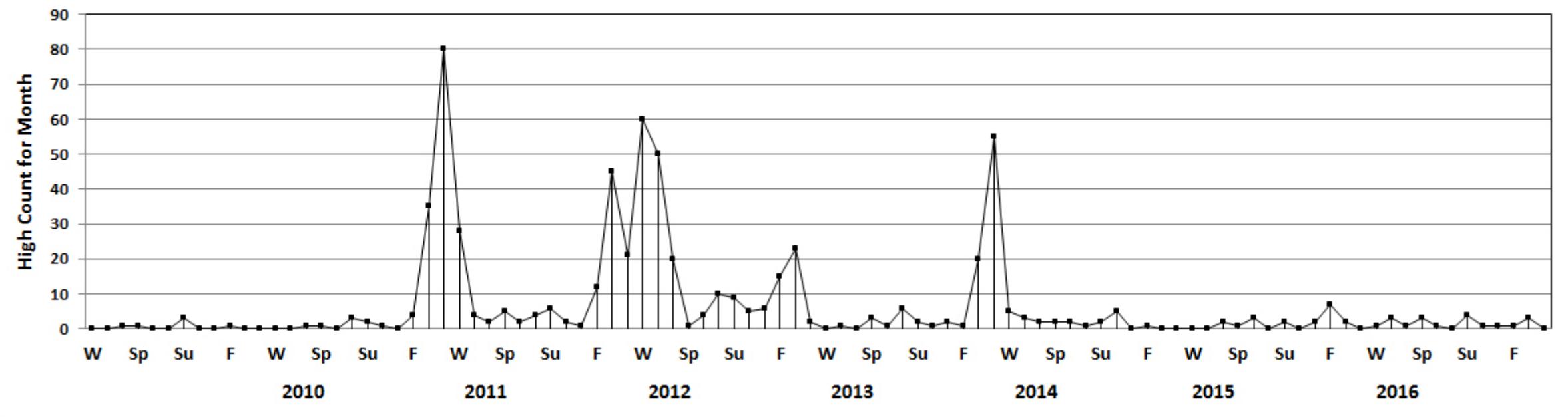
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

House Finch at Columbus Park

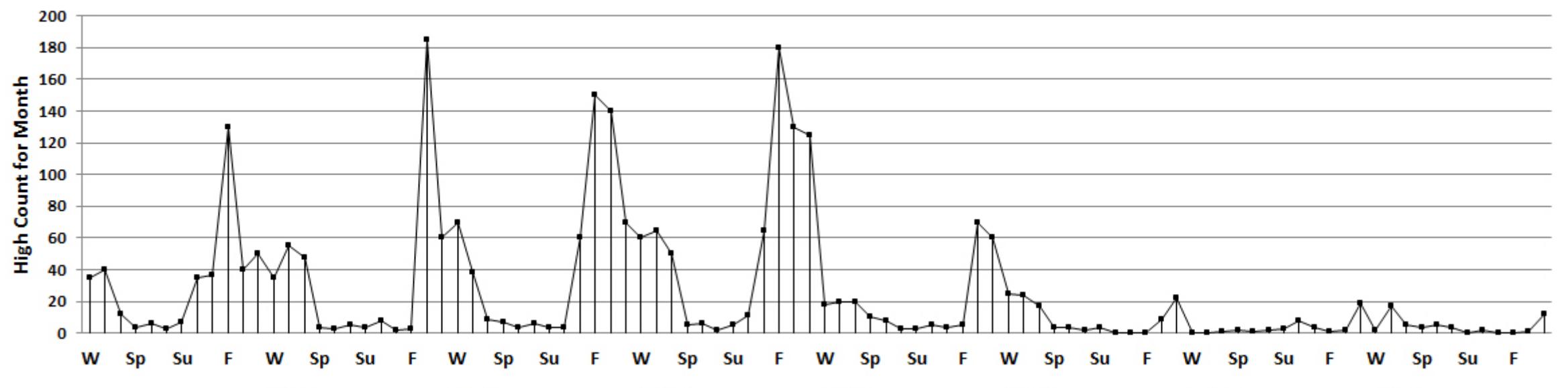
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Mourning Dove at Columbus Park

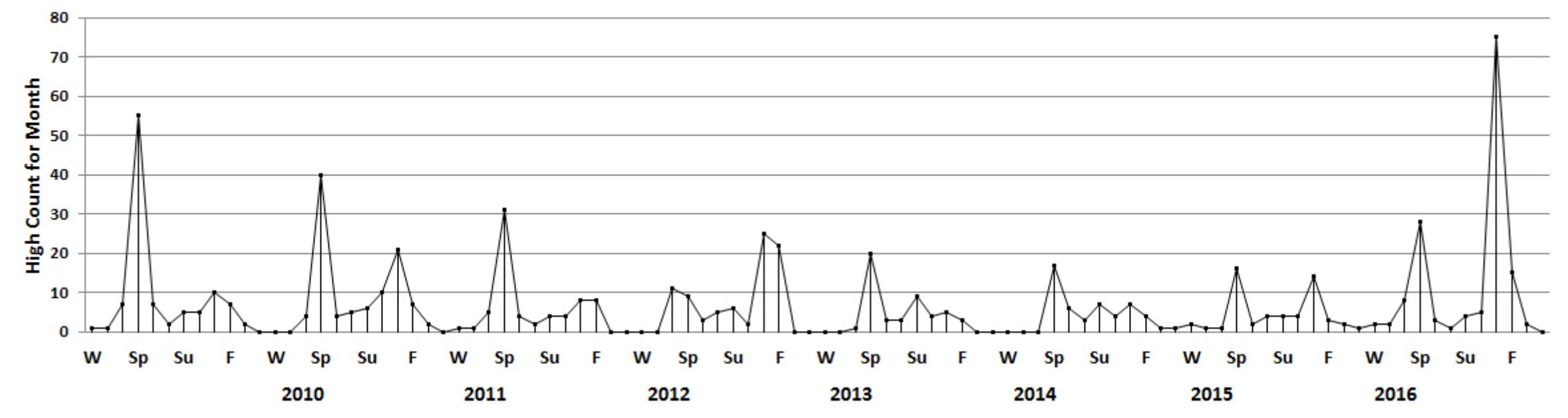
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Northern Flicker at Columbus Park

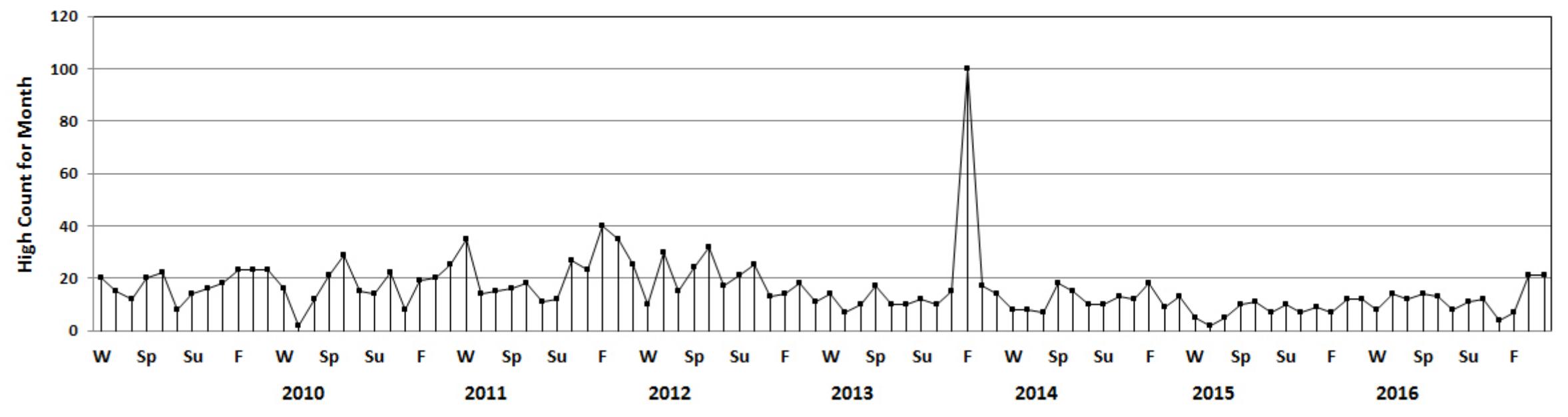
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

American Goldfinch at Columbus Park

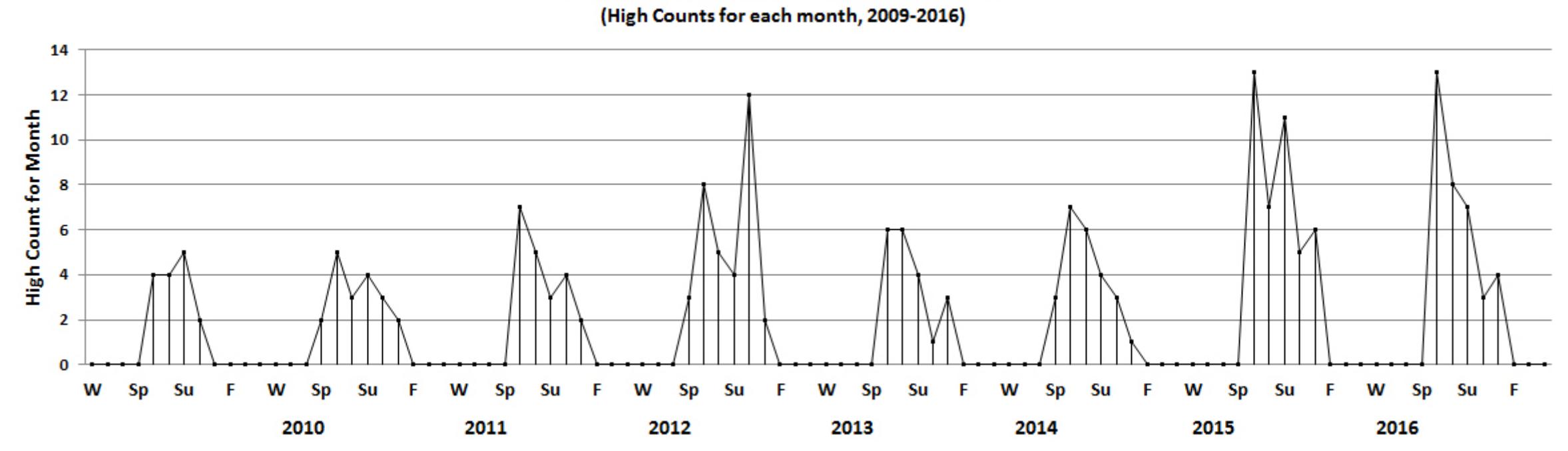
(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

Warbling Vireo at Columbus Park

(High Counts for each month, 2009-2016)



KEY: W - Jan Sp - Apr Su - Jul F - Oct

200+ bird species

6 sites

That's a lot of graphs

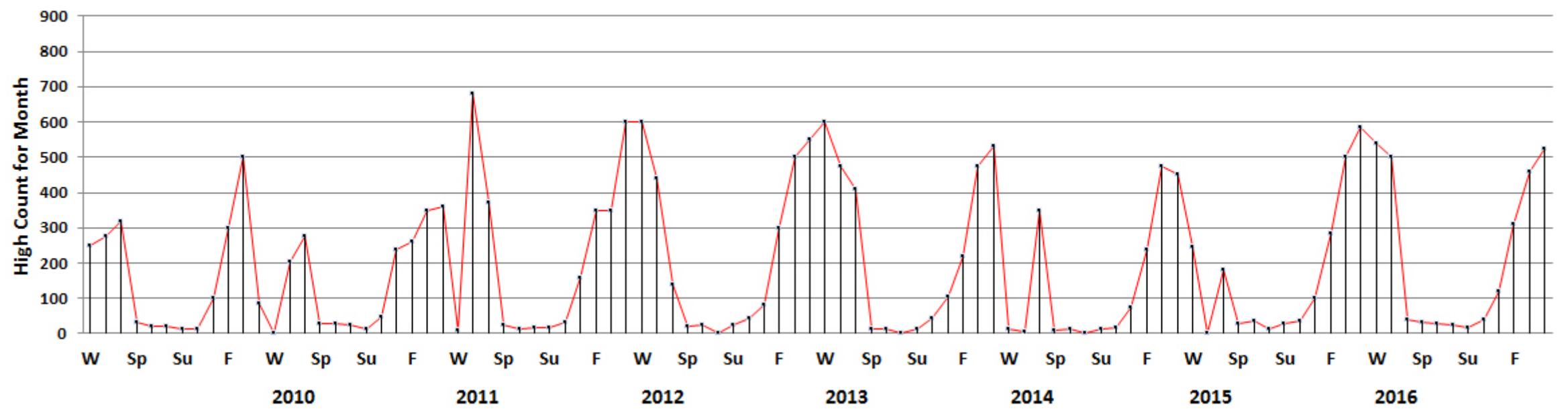
<https://urbanbirdmonitor.org/data-analysis/abundance/>

Goose Marker Data



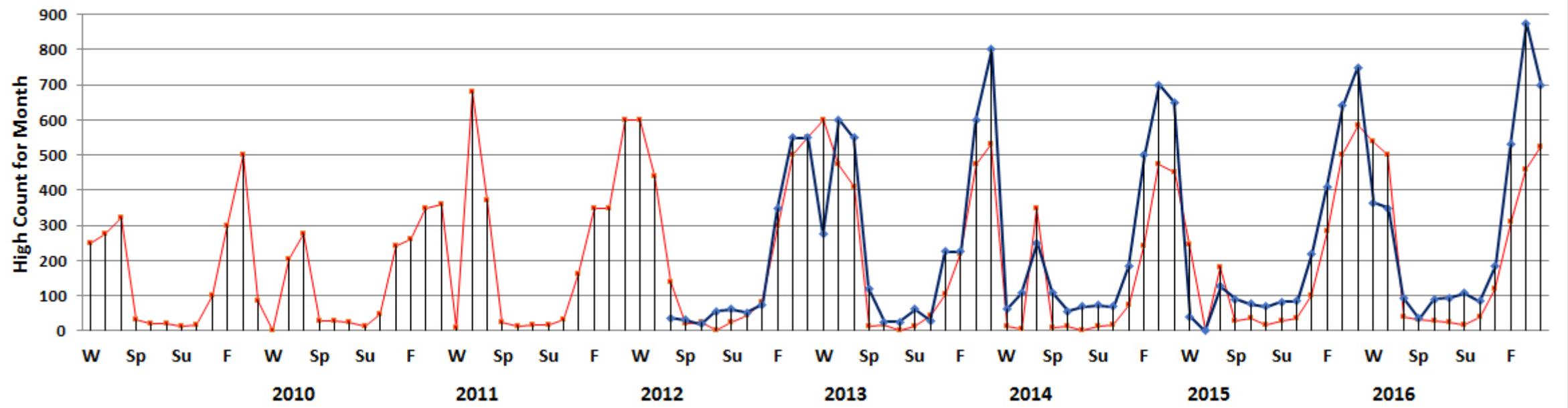
Canada Goose at Columbus Park

(High Counts for each month, 2009-2016)



Canada Goose at Columbus Park and Douglas Park

(High Counts for each month, 2009-2016)



Breeding Birds

Choose the highest possible code...

- NY Confirmed--Nest with Young
- NE Confirmed--Nest with Eggs
- ON Confirmed--Occupied Nest
- FL Confirmed--Recently Fledged Young
- FY Confirmed--Feeding Young
- FS Confirmed--Carrying Fecal Sac
- CF Confirmed--Carrying Food
- DD Confirmed--Distraction Display
- PE Confirmed--Brood Patch and Physiological Evidence
- NB Confirmed--Nest Building
- CN Confirmed--Carrying Nesting Material
- T Probable--Territory Held for 7+ Days
- C Probable--Courtship, Display or Copulation
- N Probable--Visiting Probable Nest site
- A Probable--Agitated Behavior
- P Probable--Pair in Suitable Habitat
- M Probable--Multiple (7+) Singing Males
- S Possible--Singing male
- H Possible--In appropriate habitat
- F Flyover

Breeding Birds at Columbus Park		Dark blue = CONFIRMED breeder for that year				
		Medium blue = PROBABLE breeder for that year				
		Light blue = POSSIBLE breeder for that year				
	2011	2012	2013	2014	2015	
# Confirmed Breeders	17	20	19	19	20	
# Probable Breeders	8	6	7	8	6	
# Possible Breeders	3	5	8	7	7	
Highest breeding code for year:	2011	2012	2013	2014	2015	
Canada Goose						Goslings
Wood Duck		Ducklings	Ducklings	Ducklings	Ducklings	
Mallard	Ducklings	Ducklings	Ducklings	Ducklings	Ducklings	
Green Heron		Recently Fledged		Agitated Behavior		
Mourning Dove	Occupied Nest	Recently Fledged	Pair in Habitat	Recently Fledged		Singing Male
Red-bellied Woodpecker						In Appropriate Habitat
Downy Woodpecker	In Appropriate Habitat	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	
Hairy Woodpecker	In Appropriate Habitat	In Appropriate Habitat	In Appropriate Habitat	In Appropriate Habitat	In Appropriate Habitat	
Northern Flicker	In Appropriate Habitat	Recently Fledged	In Appropriate Habitat	Courtship		Probable Nest Site
Eastern Wood-Pewee	Singing Male	Singing Male	Singing Male	Singing Male		Singing Male 7+ Days
Eastern Phoebe		Singing Male				Singing Male
Great Crested Flycatcher	Singing Male	Singing Male		Singing Male		Feeding Young
Eastern Kingbird	Recently Fledged	Recently Fledged	Recently Fledged	Agitated Behavior		Recently Fledged
Warbling Vireo	Singing Male 7+ Days	Recently Fledged	Singing Male 7+ Days	Singing Male 7+ Days		Recently Fledged
Red-eyed Vireo	Recently Fledged	Singing Male 7+ Days	Singing Male 7+ Days	Singing Male 7+ Days		Singing Male 7+ Days

Highest breeding code for year:	2011	2012	2013	2014	2015
Blue Jay		In Appropriate Habitat	Recently Fledged	Carrying Food	Nest with Young
American Crow	In Appropriate Habitat		Nest Building	Carrying Food	
Northern Rough-winged Swallow	In Appropriate Habitat	In Appropriate Habitat	Probable Nest Site	Recently Fledged	Feeding Young
Black-capped Chickadee	Recently Fledged	Recently Fledged	Singing Male	Singing Male 7+ Days	Singing Male
House Wren	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	Singing Male 7+ Days
Blue-gray Gnatcatcher	Agitated Behavior	Appropriate Habitat	Carry Nest Material	Appropriate Habitat	Appropriate Habitat
American Robin	Recently Fledged	Occupied Nest	Occupied Nest	Occupied Nest	Feeding Young
Gray Catbird	Singing Male 7+ Days	Courtship	Recently Fledged	Recently Fledged	Recently Fledged
European Starling	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged
Cedar Waxwing	Appropriate Habitat	Appropriate Habitat	Recently Fledged	Appropriate Habitat	Feeding Young
Common Yellowthroat	Singing Male 7+ Days	Singing Male 7+ Days	Singing Male	Singing Male	Singing Male
Yellow Warbler	Singing Male (June)		Singing Male (June)		Singing Male 7+ Days
Chipping Sparrow	Singing Male 7+ Days				Singing Male 7+ Days
Song Sparrow	Recently Fledged	Singing Male 7+ Days	Recently Fledged	Recently Fledged	Recently Fledged
Northern Cardinal	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged
Indigo Bunting	Singing Male 7+ Days	Singing Male 7+ Days	Singing Male 7+ Days		Singing Male
Red-winged Blackbird	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged
Common Grackle	Recently Fledged	Recently Fledged	Recently Fledged	Occupied Nest	Recently Fledged
Brown-headed Cowbird	Recently Fledged	Recently Fledged	Courtship	Confirmed	Singing Male 7+ Days
Orchard Oriole		Singing Male 7+ Days	Singing Male 7+ Days	Singing Male 7+ Days	
Baltimore Oriole	Nest with Young	Nest with Young	Singing Male 7+ Days	Recently Fledged	Feeding Young
House Finch	Singing Male 7+ Days	Recently Fledged	Recently Fledged	Singing Male	
American Goldfinch	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged	Recently Fledged
House Sparrow	Occupied Nest	Carry Nest Material	Recently Fledged	Recently Fledged	Recently Fledged

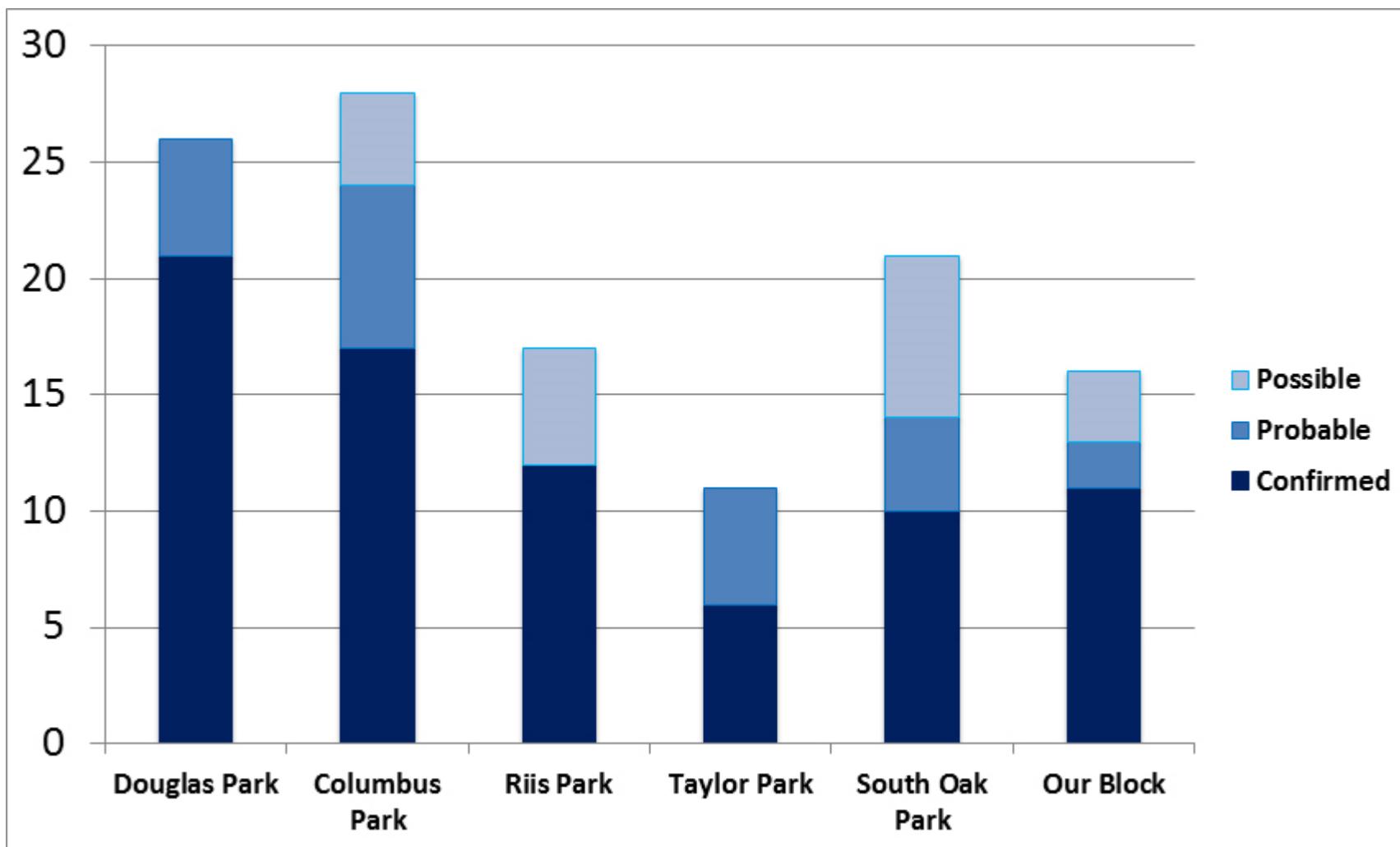
**Breeding birds that nest elsewhere,
but still use the park's resources
(Off-site Breeders):**

- Great Blue Herons
- Red-tailed Hawks
- Caspian Terns
- Chimney Swifts

Location:	Douglas Park	Columbus Park	Riis Park	South Oak Park	Our Block
# Confirmed Breeders	21	17	12	10	11
# Probable Breeders	5	7	0	4	2
# Possible Breeders	0	4	5	7	3
# Off-Site	3	3	1	0	1
Species (highest breeding code for 2014):					
Canada Goose	Confirmed		Confirmed		
Wood Duck		Confirmed			
Mallard	Confirmed	Confirmed	Confirmed		
Green Heron	Confirmed				
Cooper's Hawk				Confirmed	
Rock Pigeon (Feral Pigeon)	Confirmed			Probable	Probable
Mourning Dove		Confirmed	Confirmed	Possible	Confirmed
Chimney Swift	(drink)	(drink)	(drink)	Probable	Probable
Ruby-throated Hummingbird				Probable	
Downy Woodpecker	Confirmed	Confirmed	Confirmed	Confirmed	Confirmed
Northern Flicker		Probable			
Kestrel			Confirmed		
Eastern Phoebe	Confirmed				
Eastern Wood-Pewee			Possible		
Eastern Kingbird	Confirmed	Probable			
Warbling Vireo	Confirmed	Probable			
Red-eyed Vireo	Probable	Probable		Possible	Possible

Location:	Douglas Park	Columbus Park	Riis Park	South Oak Park	Our Block
Blue Jay		Possible		Possible	Confirmed
American Crow	Confirmed			Possible	Possible
Northern Rough-winged Swallow		Confirmed			
Tree Swallow	Possible				
Barn Swallow	Confirmed				
Black-capped Chickadee	Probable	Probable	Possible	Confirmed	Confirmed
House Wren		Confirmed		Confirmed	
Blue-gray Gnatcatcher		Possible			
American Robin	Confirmed	Confirmed	Confirmed	Confirmed	Confirmed
Gray Catbird	Confirmed	Confirmed		Probable	
European Starling	Confirmed	Confirmed	Confirmed	Confirmed	Confirmed
Cedar Waxwing	Probable	Possible	Confirmed		Confirmed
Common Yellowthroat	Probable		Possible		
Yellow Warbler	Confirmed				
Chipping Sparrow				Possible	
Song Sparrow	Probable	Confirmed			
Northern Cardinal	Confirmed	Confirmed	Confirmed	Confirmed	Confirmed
Indigo Bunting	Confirmed				
Red-winged Blackbird	Confirmed	Confirmed	Confirmed		
Common Grackle	Confirmed	Confirmed	Confirmed	Possible	Possible
Brown-headed Cowbird	Confirmed	Confirmed	Possible	Possible	
Orchard Oriole		Probable			
Baltimore Oriole	Confirmed	Confirmed			
House Finch		Possible	Possible	Confirmed	Confirmed
American Goldfinch	Confirmed	Confirmed		Confirmed	Confirmed
House Sparrow		Confirmed	Confirmed	Confirmed	Confirmed

Breeding Birds 2014



What Have We Learned?

(more questions than answers...)

These urban parks and neighborhoods
are used by birds in all seasons:

- Migration / stopover
- Breeding
- Wintering

Migrants stop over everywhere...

...so every scrap of green matters.



**Patch size matters for
breeding birds...**



**...but more so for some
than for others.**



How can we make areas of mowed lawn even more valuable for migrating and wintering birds?



Who Should See
the Data?

Take Our Data, Please!



The screenshot shows the BCN Survey website. The header is red with white text: 'BCN' on the left, and 'ABOUT US', 'MONITOR', 'DATA & RESULTS', 'CONSERVE & MANAGE', 'BIRD HERE', 'E-NEWS', 'DONATE', 'CONTACT' in the center, and a small bird icon on the right. Below the header is a large image of a green field with trees in the background. Overlaid on the image is the text 'BCN Survey' in large, yellow, serif capital letters. Below the image is a white banner with the text 'The BCN Survey: Monitoring Chicagoland's Birds' in blue, bold, sans-serif capital letters. To the left of this banner is a red box containing 'New Monitors' in red, bold, sans-serif capital letters, with two links: 'Monitoring is Easy!' and 'Training & Resources' in red, regular, sans-serif text. To the right of the banner is a yellow box containing 'Birds of Concern' in red, bold, sans-serif capital letters, with the text 'View the updated 2014 list of Birds of Concern in' in black, regular, sans-serif text. To the right of the yellow box is a red box containing 'Support the BCN Survey' in white, bold, sans-serif capital letters, with a green button below it labeled 'DONATE TODAY' in white, bold, sans-serif capital letters. Further down the page, there are sections for 'CURRENT MONITORS', 'LAND MANAGERS', and 'BIRD HERE' with their respective sub-links.

BCN

ABOUT US MONITOR DATA & RESULTS CONSERVE & MANAGE BIRD HERE E-NEWS DONATE CONTACT

BCN Survey

The BCN Survey: Monitoring Chicagoland's Birds

New Monitors

[Monitoring is Easy!](#)

[Training & Resources](#)

Birds of Concern

View the updated 2014 list of Birds of Concern in

Support the BCN Survey

[DONATE TODAY](#)

CURRENT MONITORS

[Monitoring Protocol](#)

[How to Use eBird](#)

LAND MANAGERS

[Request Bird Data from Your Site](#)

- Researchers
- Land Managers
- Regulators
- Conservation Groups
- Bird Monitors
- Stewards

Wow, look what we found in your park!



- Walkers/Dog Walkers
- Activists
- Fisherfolk
- Reporters
- Golfers
- Educators
- Artists
- Parents
- Aldermen
- Police Officers
- Hospital Folk
- ...and many more

talk

talk

talk

COS bird walks



stewardship days

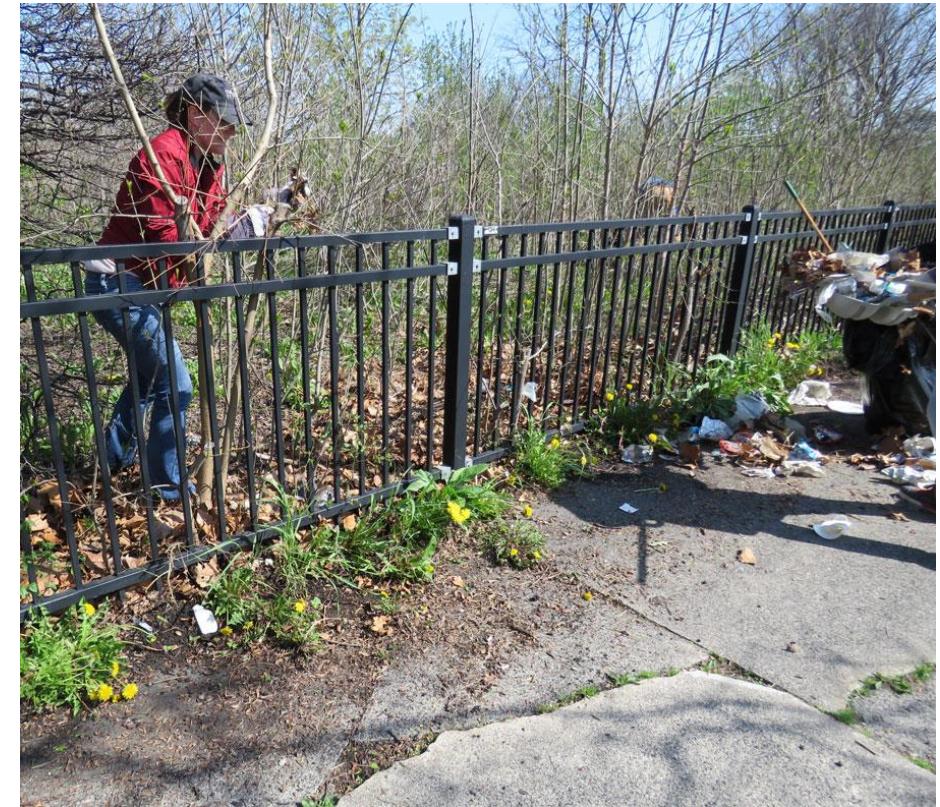


meetings



Copyright Chicago Sun-Times

events



Facebook



Nature in Douglas Park (Chicago)
Public Group

Joined Share Notifications ...

Discussion Members Events Photos Search this group

Write Post **Add Photo/Video** **Create Poll** **More**

Write something...

RECENT ACTIVITY

Lupe Garcia and Eric Gyllenhaal commented on this photo.

Eric Gyllenhaal
February 8 at 7:43am

Here's your reminder that summer is only a few months away. It's the egg case of a praying mantis, which I found in a patch of goldenrod at the edge of the north lagoon.



<https://www.facebook.com/groups/DouglasParkNature/>



Nature in Columbus Park (Chicago)
Public Group

Joined Share Notifications ...

Discussion Members Events Videos Photos Search this group

Rakesh Kalsi with Kamal Gupta at Columbus Park - Chicago Park District.
January 7 - Chicago

An entomological day at the Columbus Park on 8/26/16



<https://www.facebook.com/groups/233989470332311/>

website / blog

Nature in Douglas Park

A closer look at the animals and plants that live in Douglas Park on Chicago's Westside



Home About Douglas Park Birds Mammals Amphibians and Reptiles Fish Insects Wildflowers For Educators and Parents

Search ...

Search

July in February

Posted on February 5, 2017 by sathesandoo

Edit

What Lives in Douglas Park?

About Douglas Park

Birds

Birds in Summer
Birds in Fall
Birds in Winter
Birds in Spring

Mammals

Amphibians and Reptiles
Fish

Insects

Wildflowers

For Educators and Parents

Recent Posts

July in February
January Birds in Douglas Park

About this Blog

This blog is a photographic record of the animals and plants that Eric Gyllenhaal has found while monitoring birds in Douglas Park. You can also follow Nature in



Learn more information about the features in the slide show

Nature in Douglas Park

A closer look at the animals and plants that live in Douglas Park on Chicago's Westside



Home About Douglas Park Birds Mammals Amphibians and Reptiles Fish Insects Wildflowers For Educators and Parents

Search ...

Search

Birds in Summer

Summer is breeding season for the birds of Douglas Park. Males sing, females lay eggs, eggs hatch, often both parents feed and watch over the young. Then, within a couple of months, the young birds are on their own.



What Lives in Douglas Park?

About Douglas Park

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<https://douglasparknature.org/>

paper things

Douglas Park
Birds of the Week: Mid March, 2016
SPARROWS



Song Sparrow



Fox Sparrow

Learn more with the **Nature in Douglas Park** Facebook group:
<https://www.facebook.com/groups/DouglasParkNature/>



publication

The Birds of Humboldt Park by Sam Burckhardt (2010)

The Habitat Project website:

http://www.habitatproject.org/CMBA/webdocs/Birds_of_Humboldt_Park-Burckhardt.pdf

BIRDS OF HUMBOLDT PARK



A REPORT BY SAM BURCKHARDT

Birds of Humboldt Park
A report by Sam Burckhardt
Compiled January 1 – December 31, 2009



Immature Red-tailed Hawk, Humboldt Park, Chicago, 11-20-09

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all photographs taken in Humboldt Park by Samuel B. Burckhardt

Sam Burckhardt
Chicago, Illinois, USA
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Title page: Canada Geese in front of Humboldt Park Boat House, 9-1-09
Back page: Canada Goose, 2-15-10

time capsule



<https://urbanbirdmonitor.org/>