

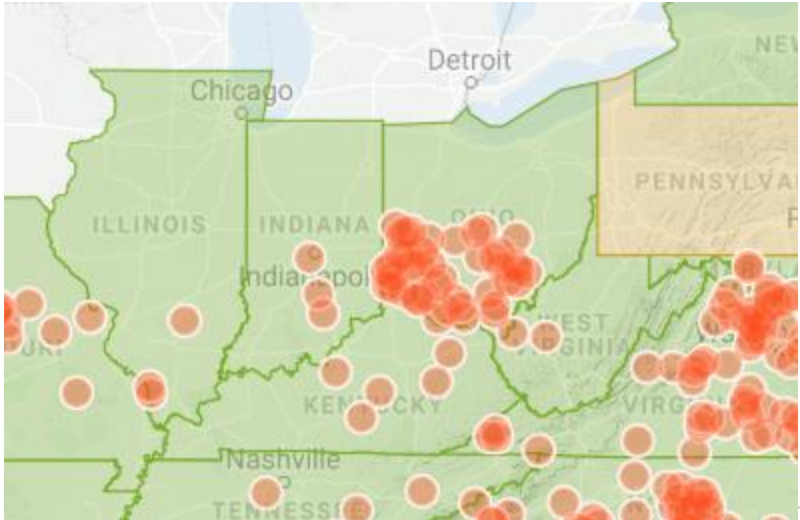
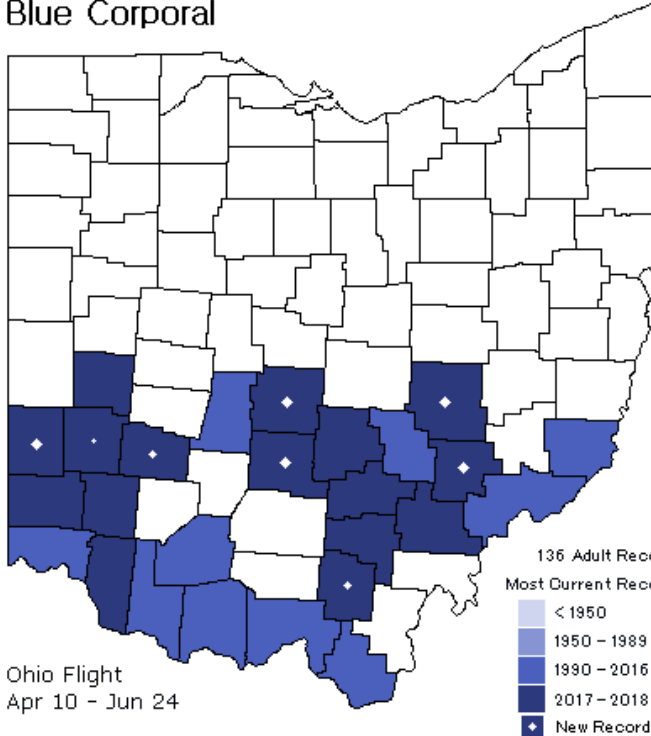
The background features a series of concentric circles in light gray, some solid and some dashed, creating a ripple effect. A large red speech bubble is centered on the page, containing the text.

Fun with Maps!

MaLisa Spring

Map Types

Ladona deplanata **Endangered**





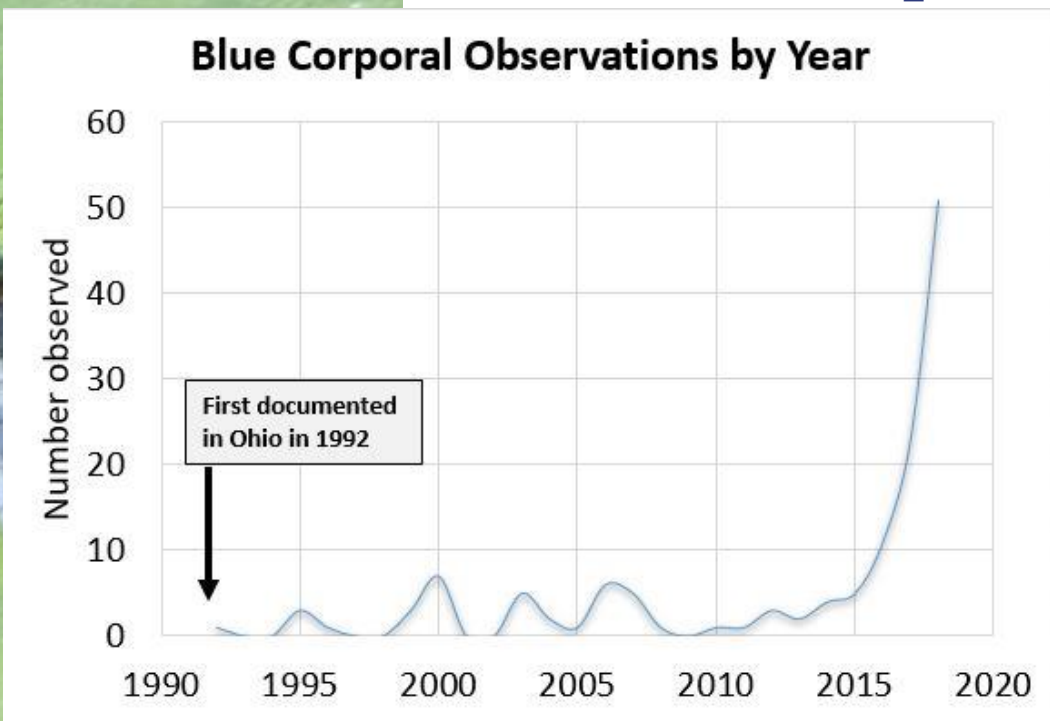
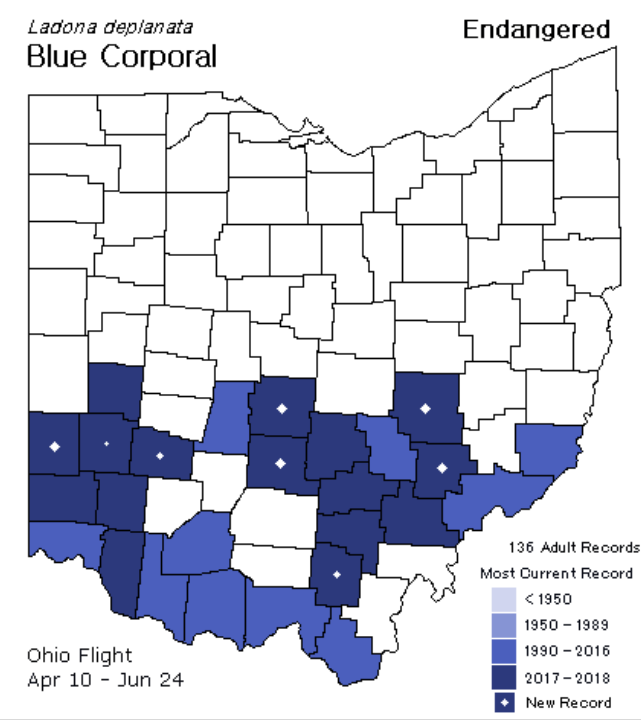
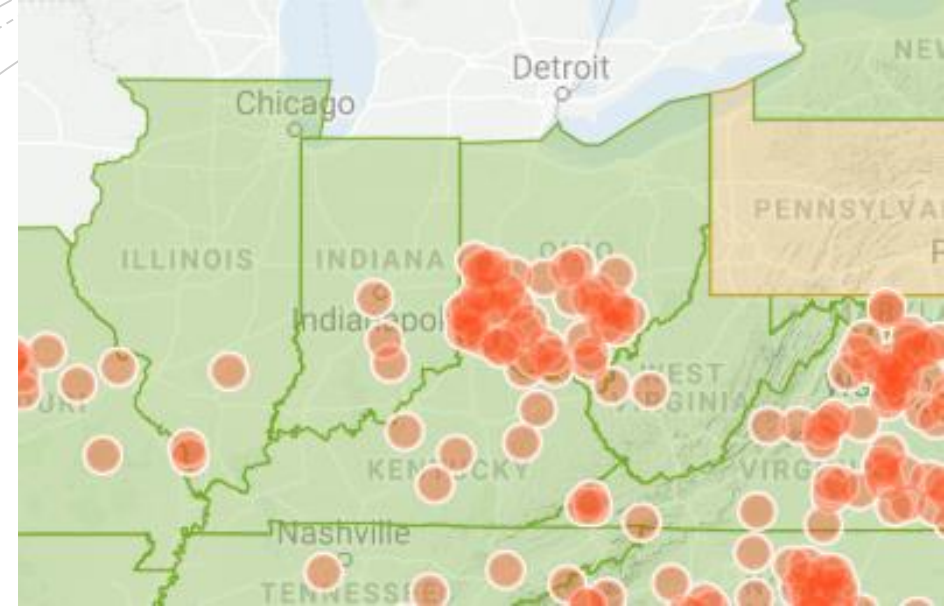
Southern Species?

Family Libellulidae

Southern Species?

Blue Corporal
(*Ladona deplanata*)

Currently State Endangered!



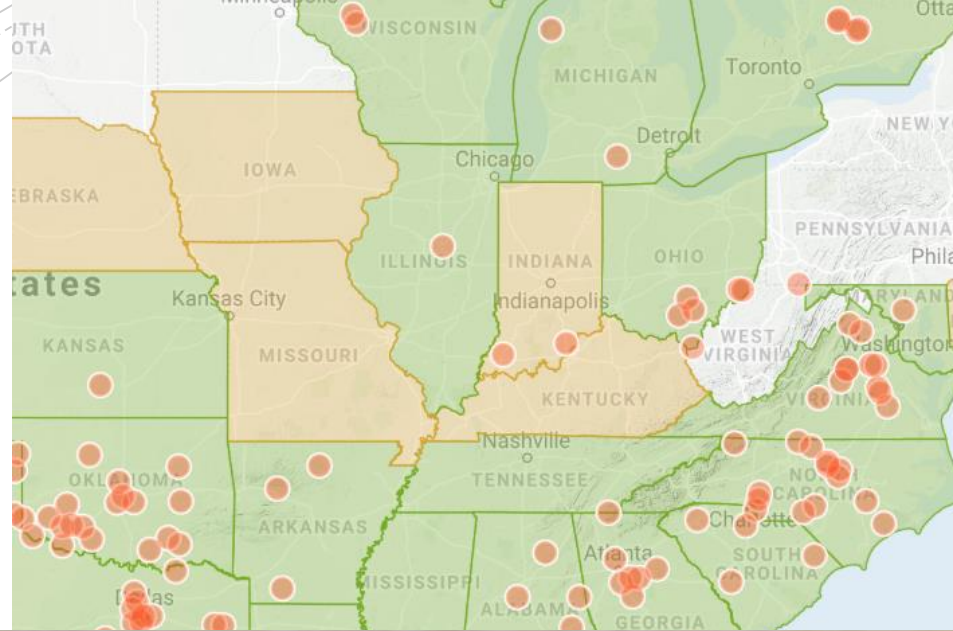
Family Gomphidae

Southern Species?

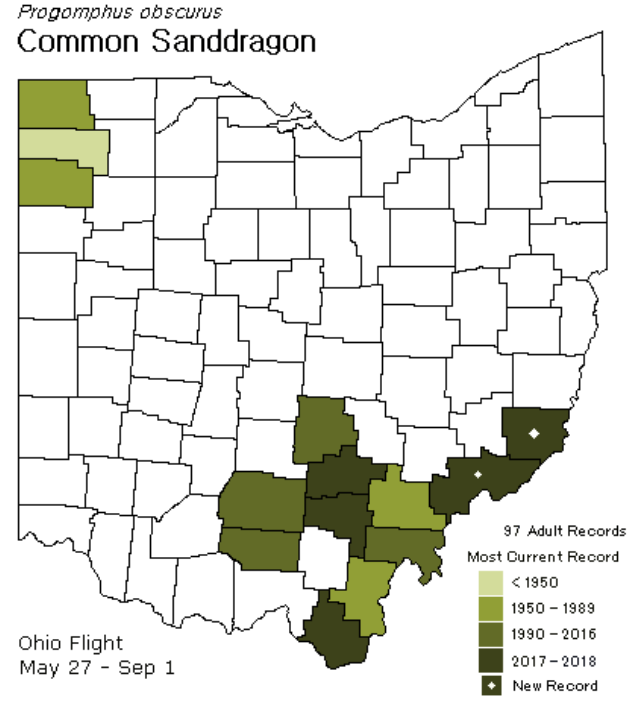
**Common Sanddragon
(*Progomphus obscurus*)**



© Laura Hughes



© Dave McShaffrey



Progomphus obscurus
Common Sanddragon

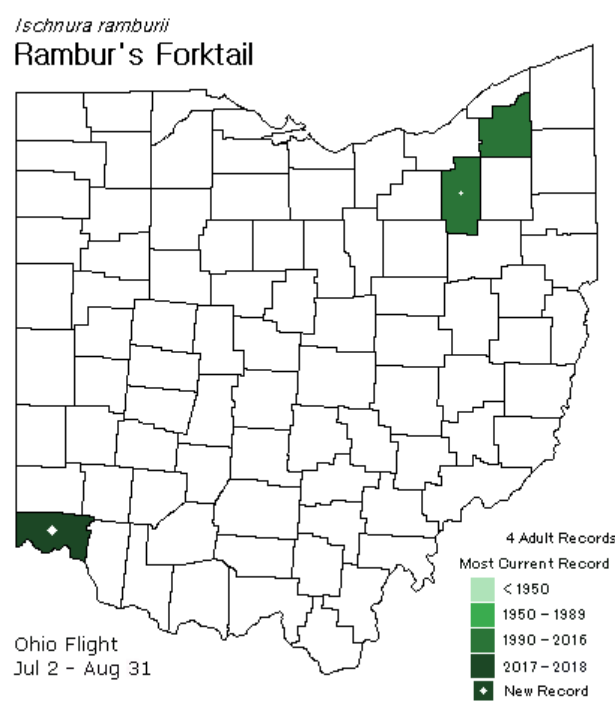
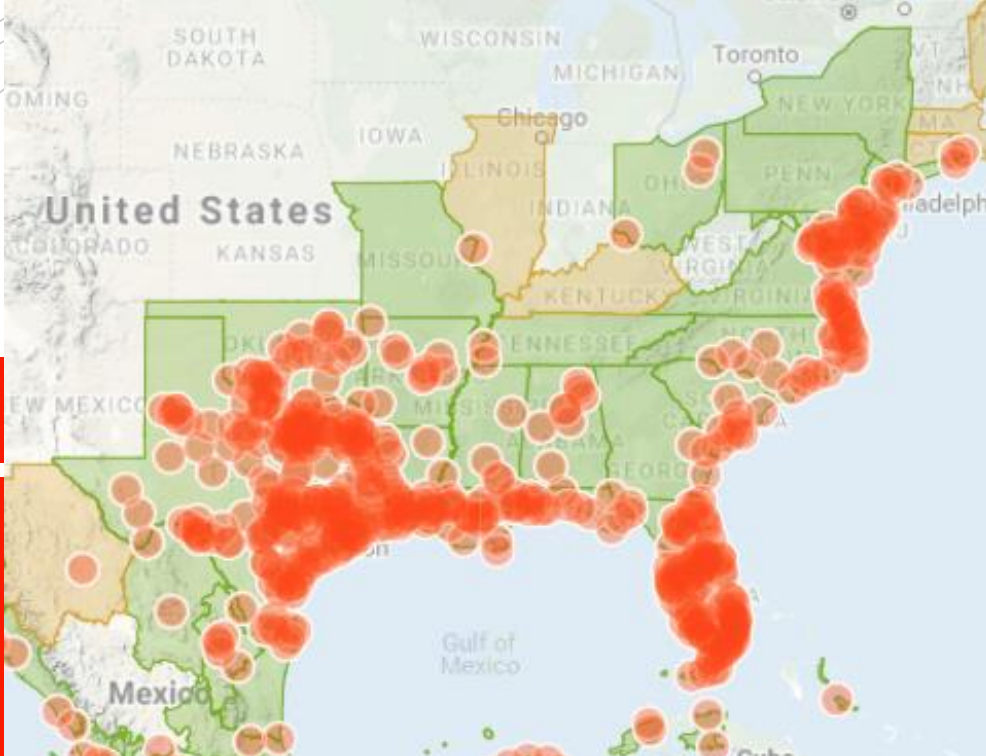
Ohio Flight
May 27 - Sep 1

97 Adult Records
Most Current Record
< 1950
1950 - 1989
1990 - 2016
2017 - 2018
New Record

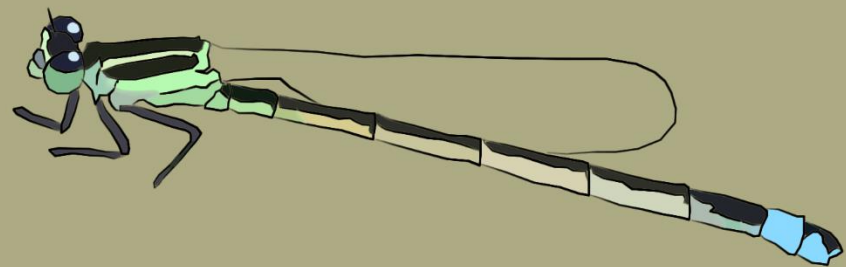
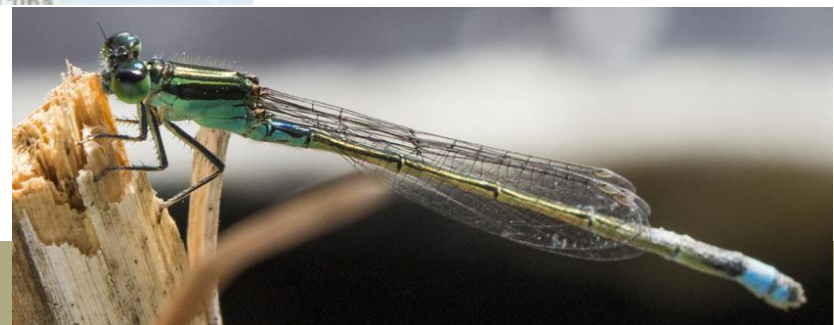
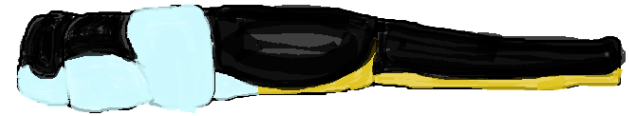
Family Coeneagrionidae

Southern Species?

Ramburs Forktail
(*Ischnura ramburii*)



Eastern Forktail

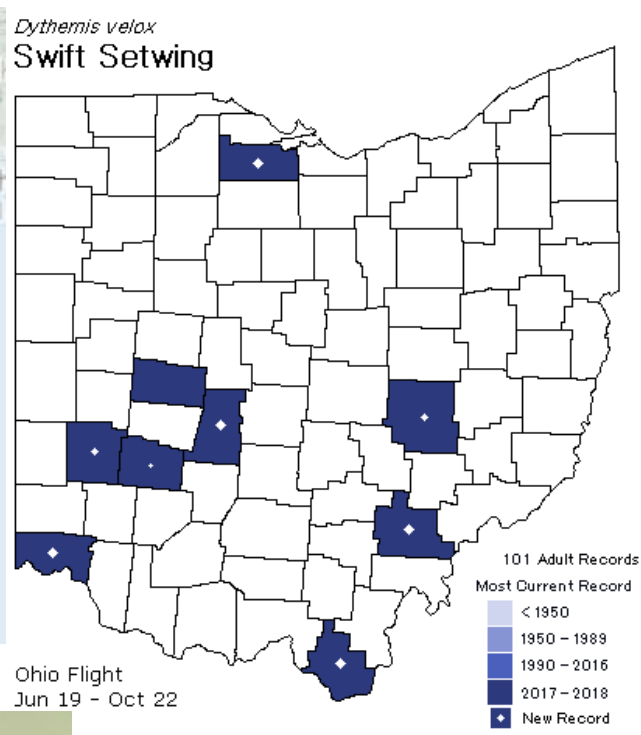
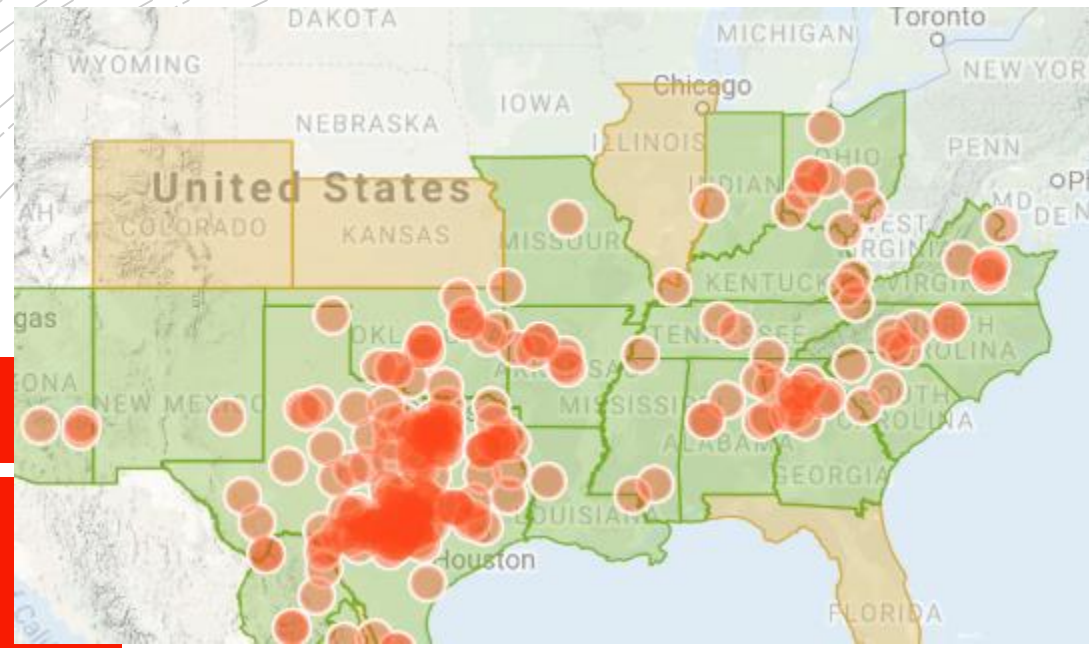


Rambur's Forktail

Family Libellulidae

Southern Species?

Swift Setwing
(*Dythemis velox*)



© Malisa Spring



■ Photos courtesy of Chris Spring



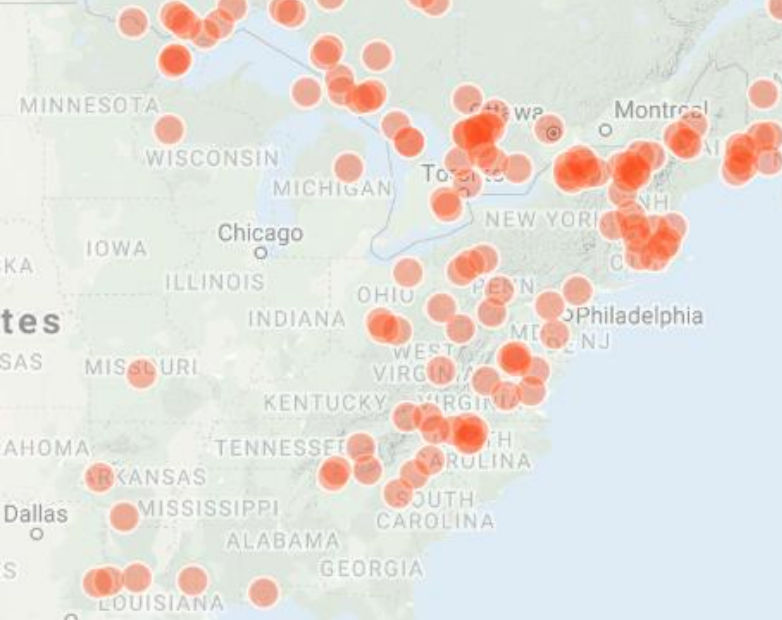


Eastern Species?

Family Cordulegastriidae

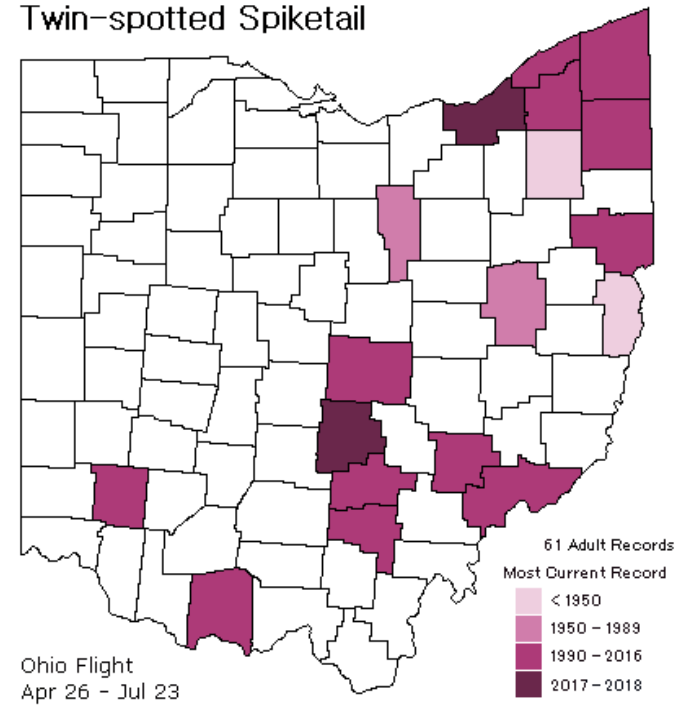
Eastern Species?

Twin Spotted Spiketail
(*Cordulegaster maculata*)



© Malisa Spring

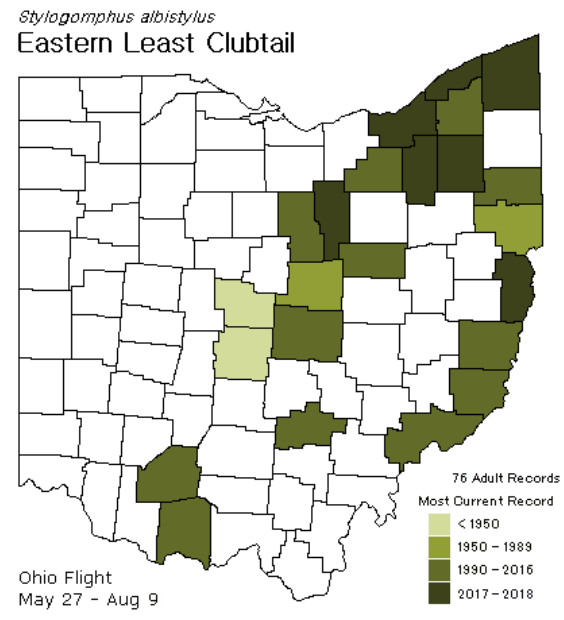
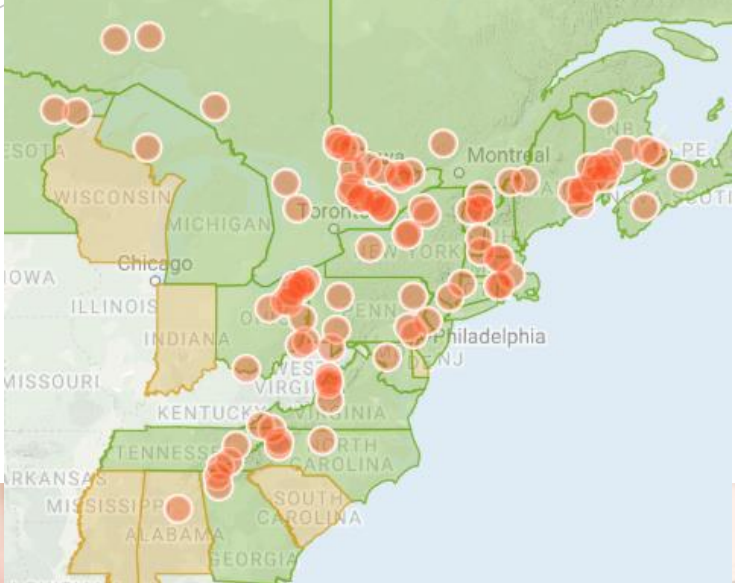
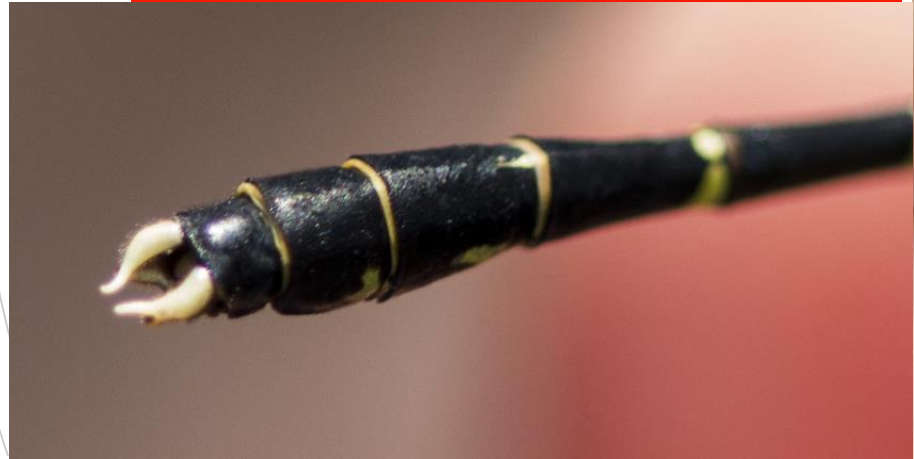
Cordulegaster maculata
Twin-spotted Spiketail



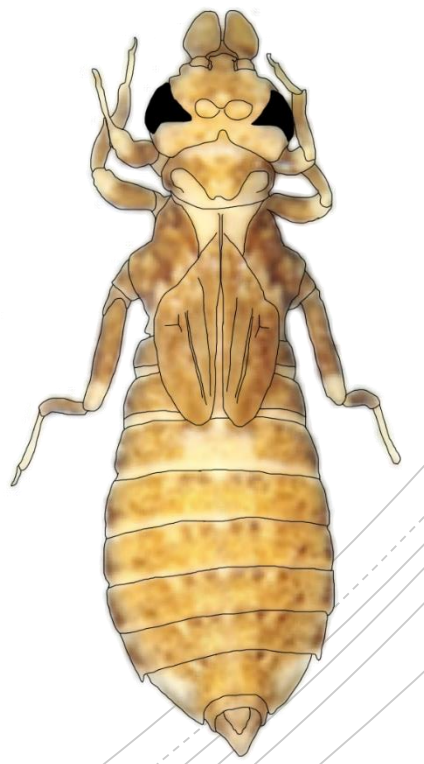
Family Gomphidae

Eastern Species?

Eastern Least Clubtail
(*Stylogomphus albistylus*)



© Malisa Spring



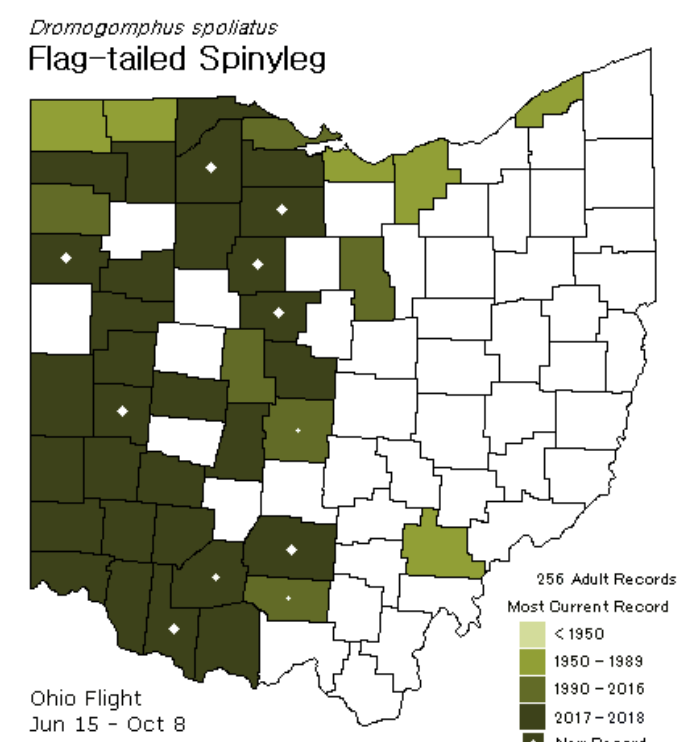
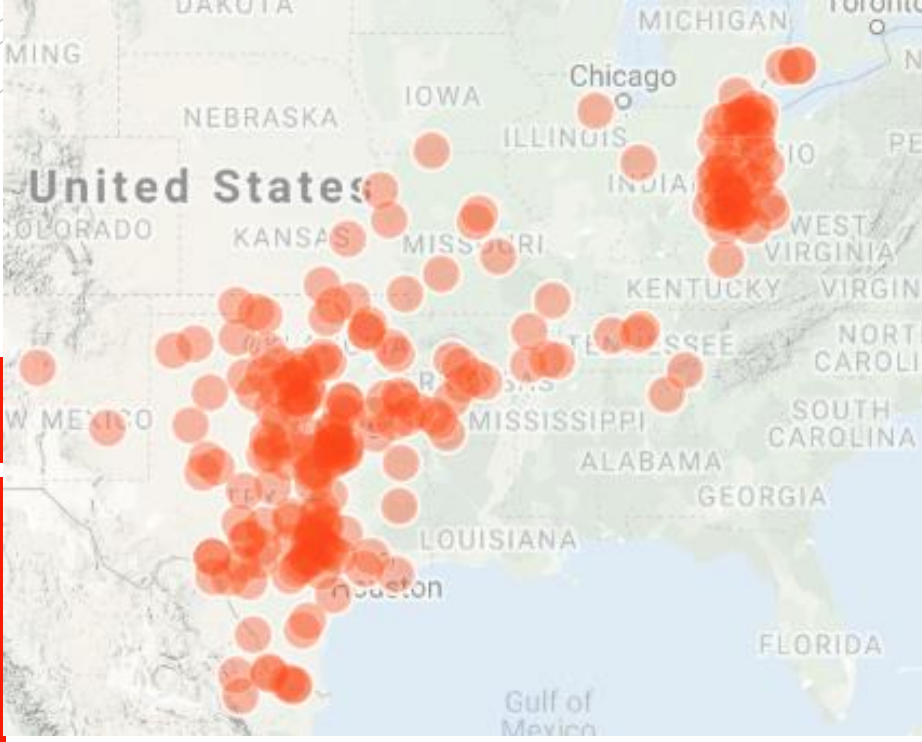


Western Species?

Family Gomphidae

Western Species?

Flag-tailed Spinyleg

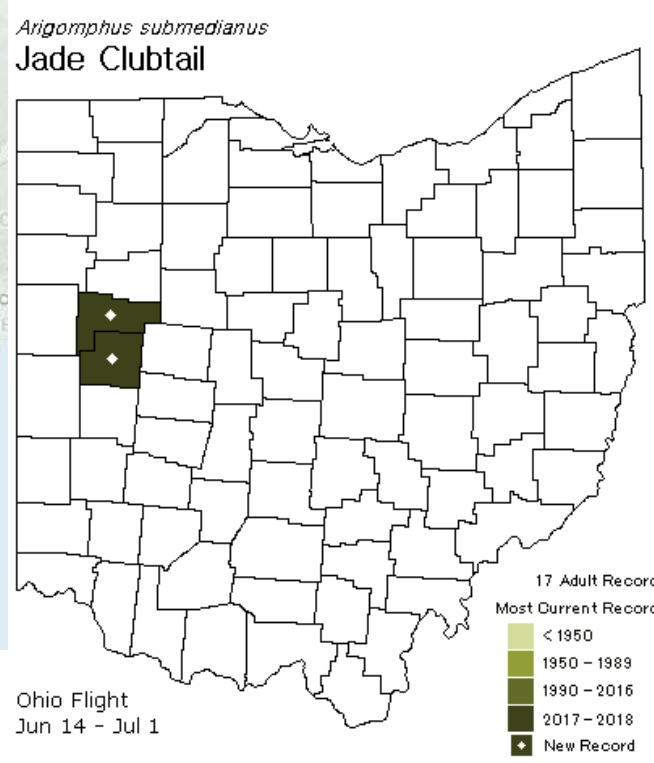
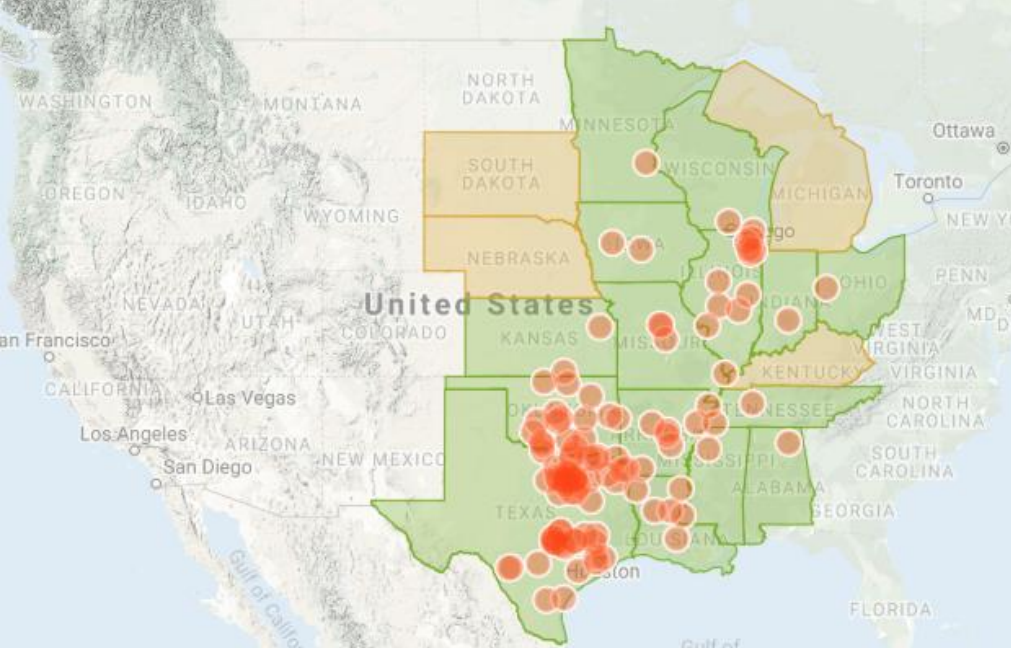


© MaLisa Spring

Family Gomphidae

Western Species?

Jade Clubtail
(*Ariogomphus submedianus*)

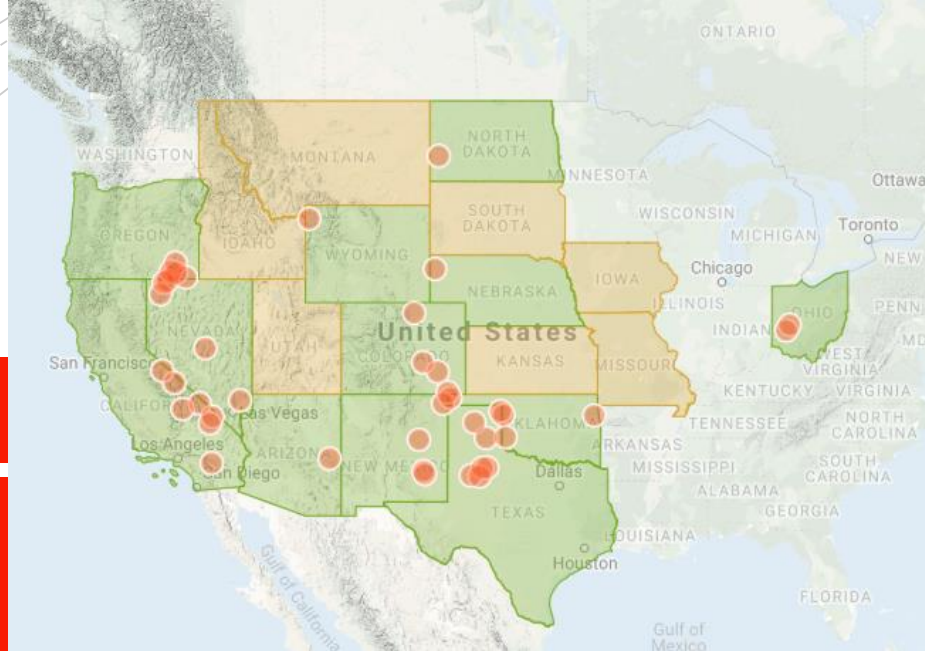


Found at
Lake Loramie

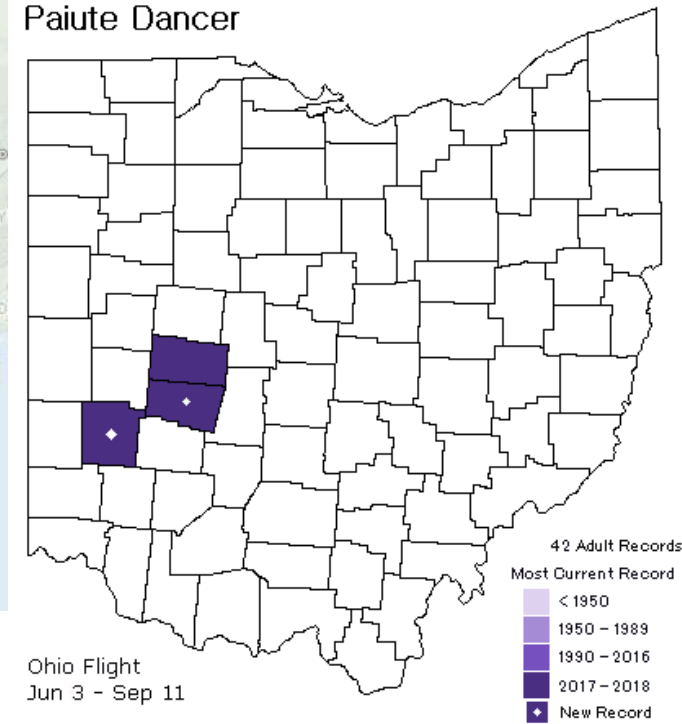
Family Coenagrionidae

Western Species?

Paiute Dancer
(*Argia alberta*)



Argia alberta
Paiute Dancer



Jim Lemon



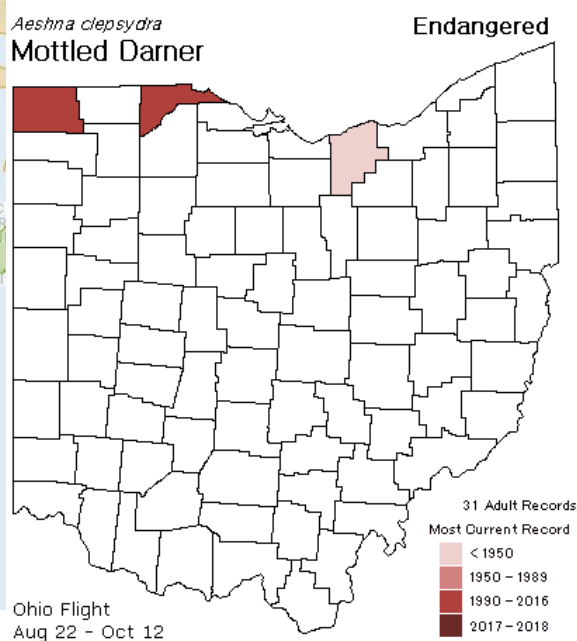
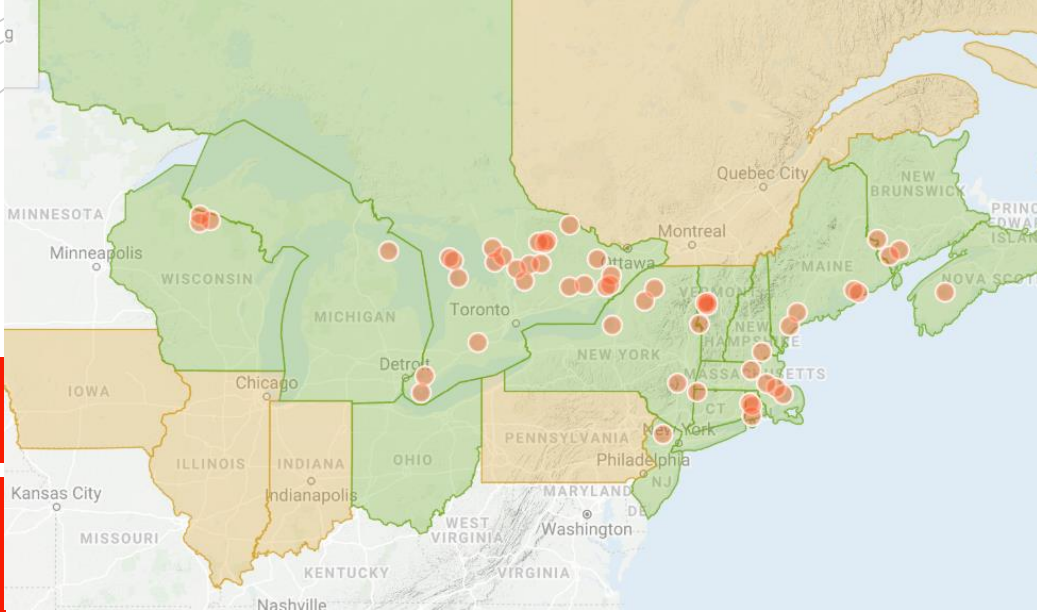
Northern Species?

Family Aesnidae

Northern Species?

Mottled Darner
(*Aeshna clepsydra*)

State Endangered!

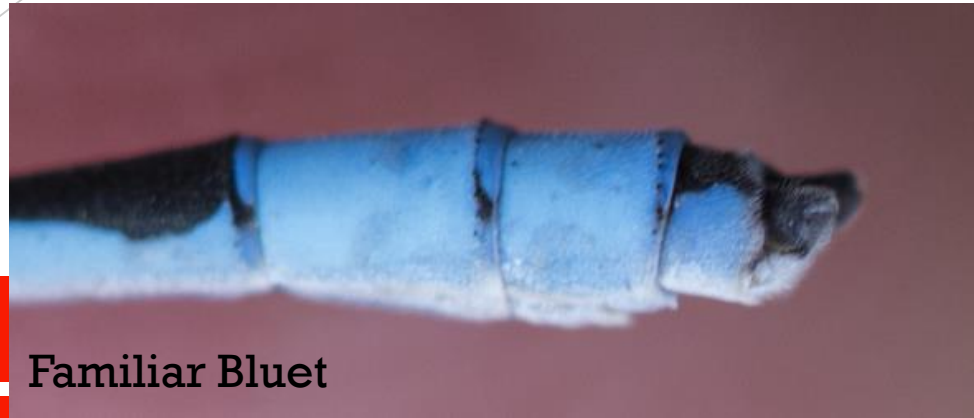


© Joshua Lincoln

Family Coenagrionidae

Northern Species?

Northern Bluet
(*Enallagma annexum*)



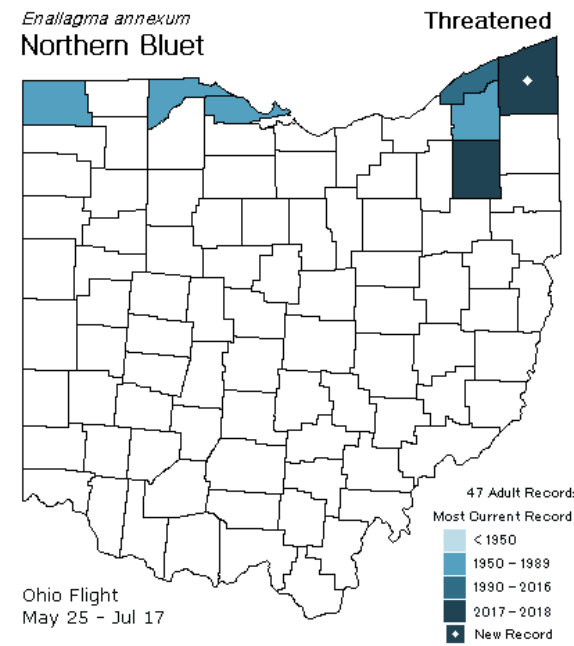
Familiar Bluet



Northern Bluet



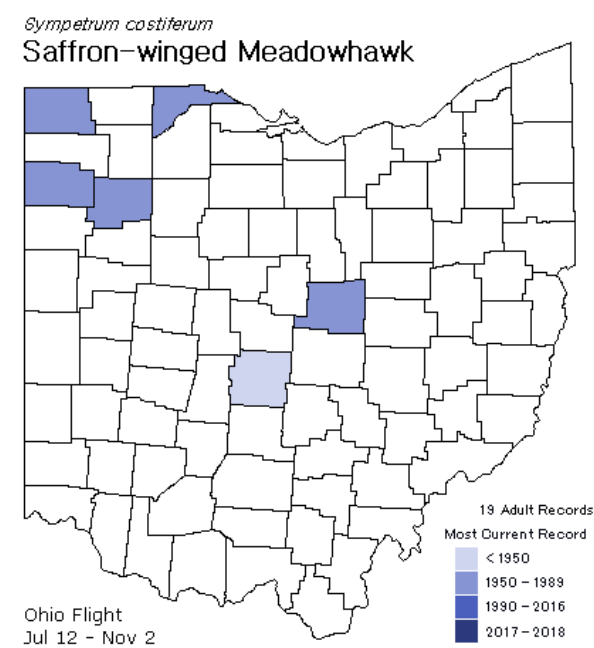
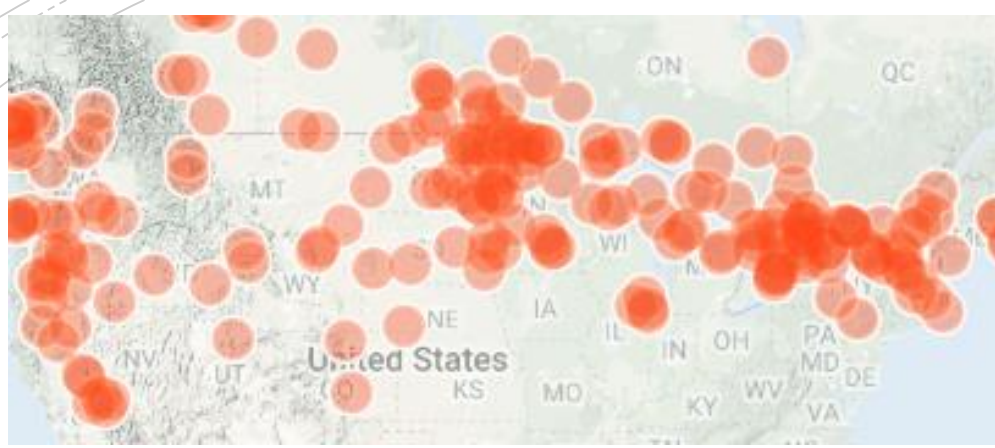
© Carol Blake



Family Libellulidae

Northern Species?

Saffron-winged Meadowhawk
(*Sympetrum costiferum*)



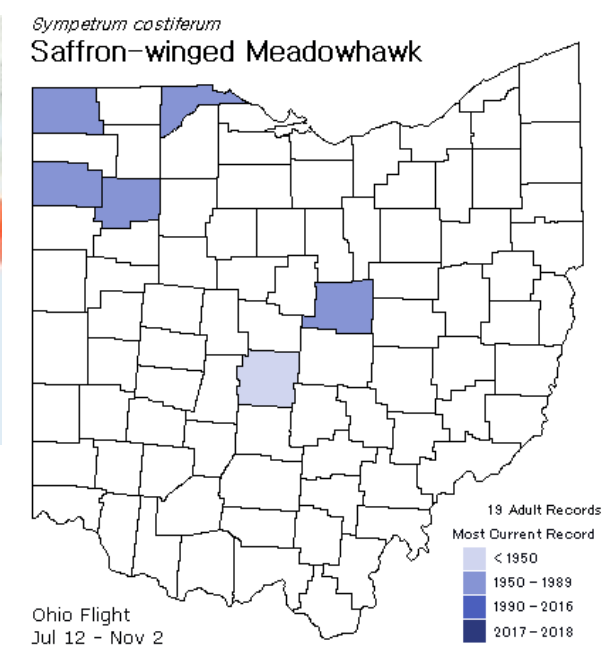
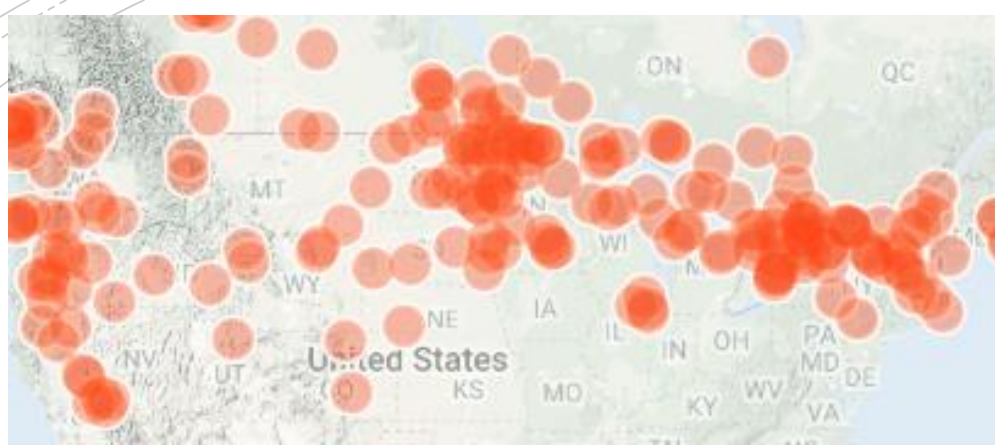
Male

Male

Family Libellulidae

Northern Species?

Saffron-winged Meadowhawk
(*Sympetrum costiferum*)

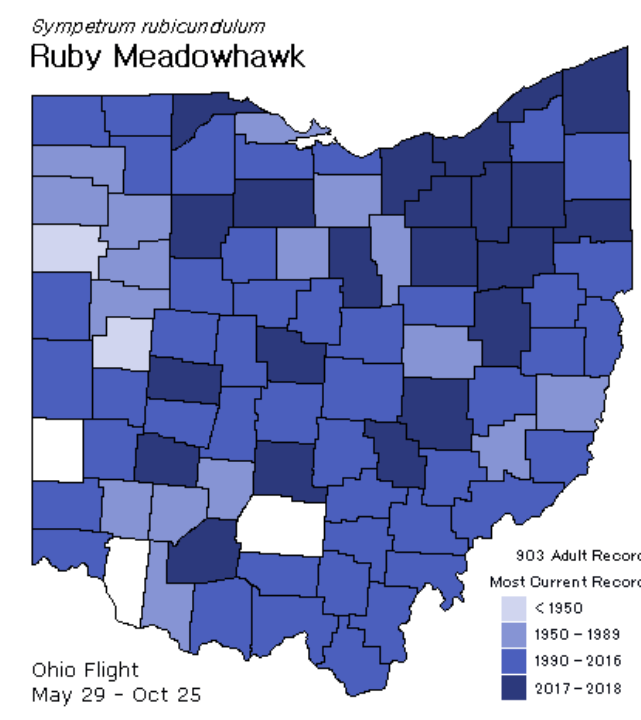


Female



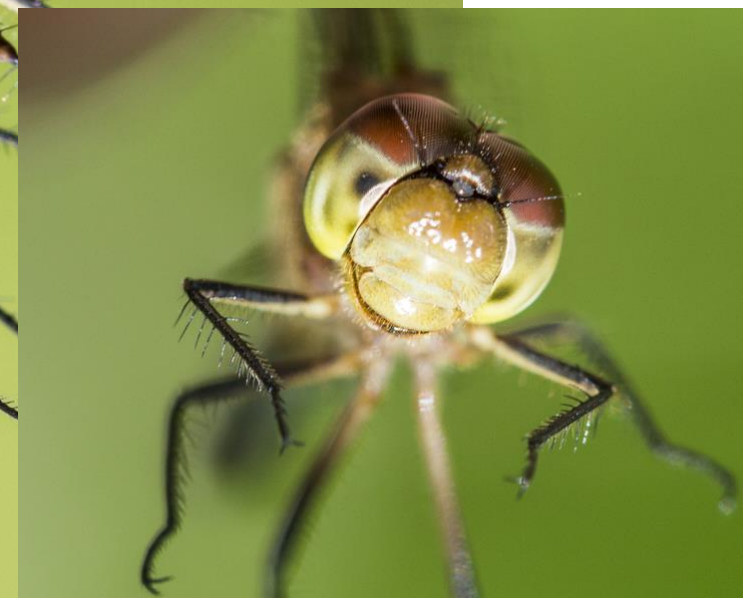
Species that are everywhere*

Family Libellulidae



Ruby Meadowhawk
(*Sympetrum rubicundulum*)

© MaLisa Spring



Family Libellulidae



Ruby Meadowhawk
(*S. rubicundulum*)

Female



White Faced
(*S. obtrusum*)

© Joshua Lincoln



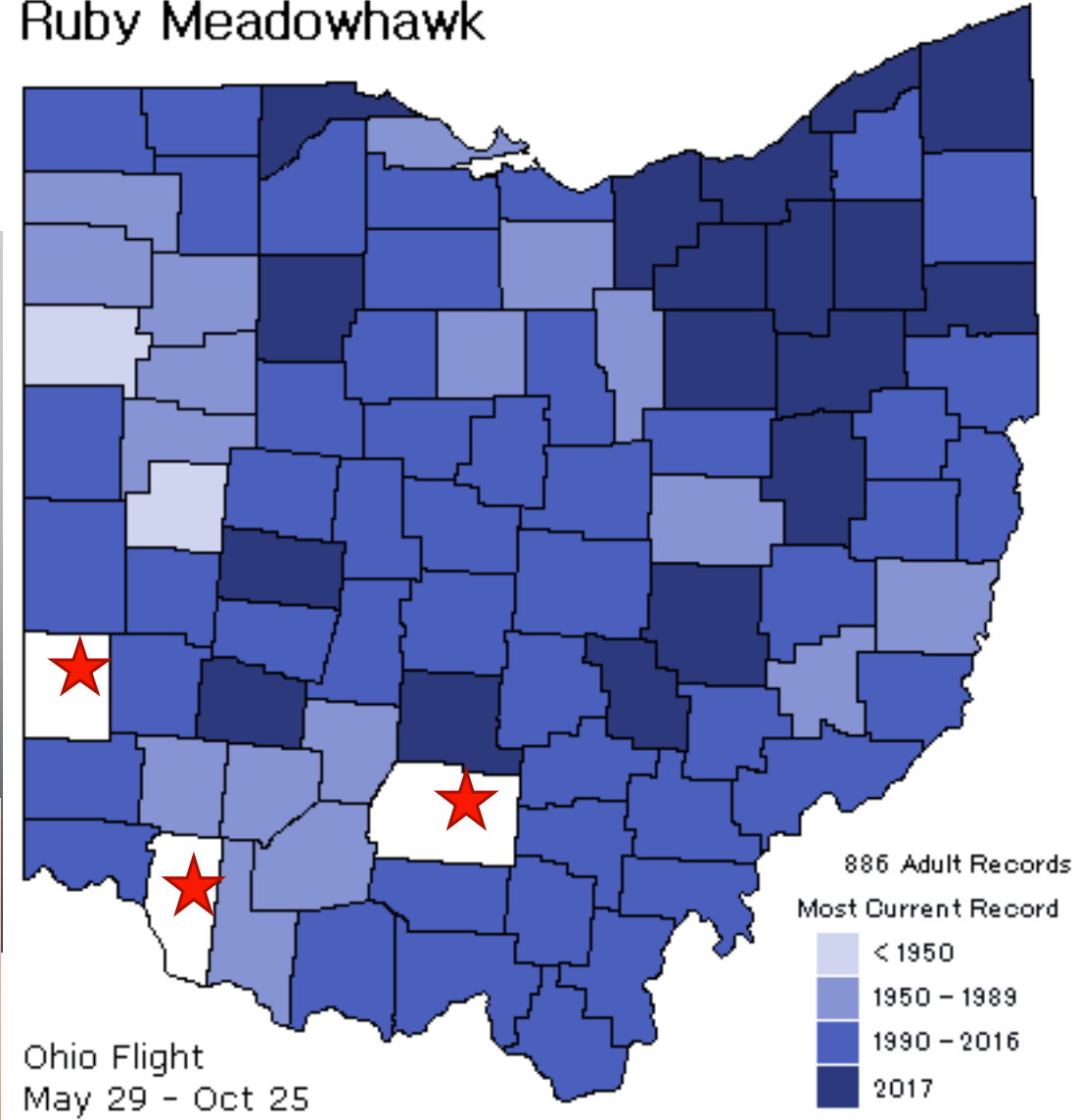
Cherry Faced
(*S. internum*)

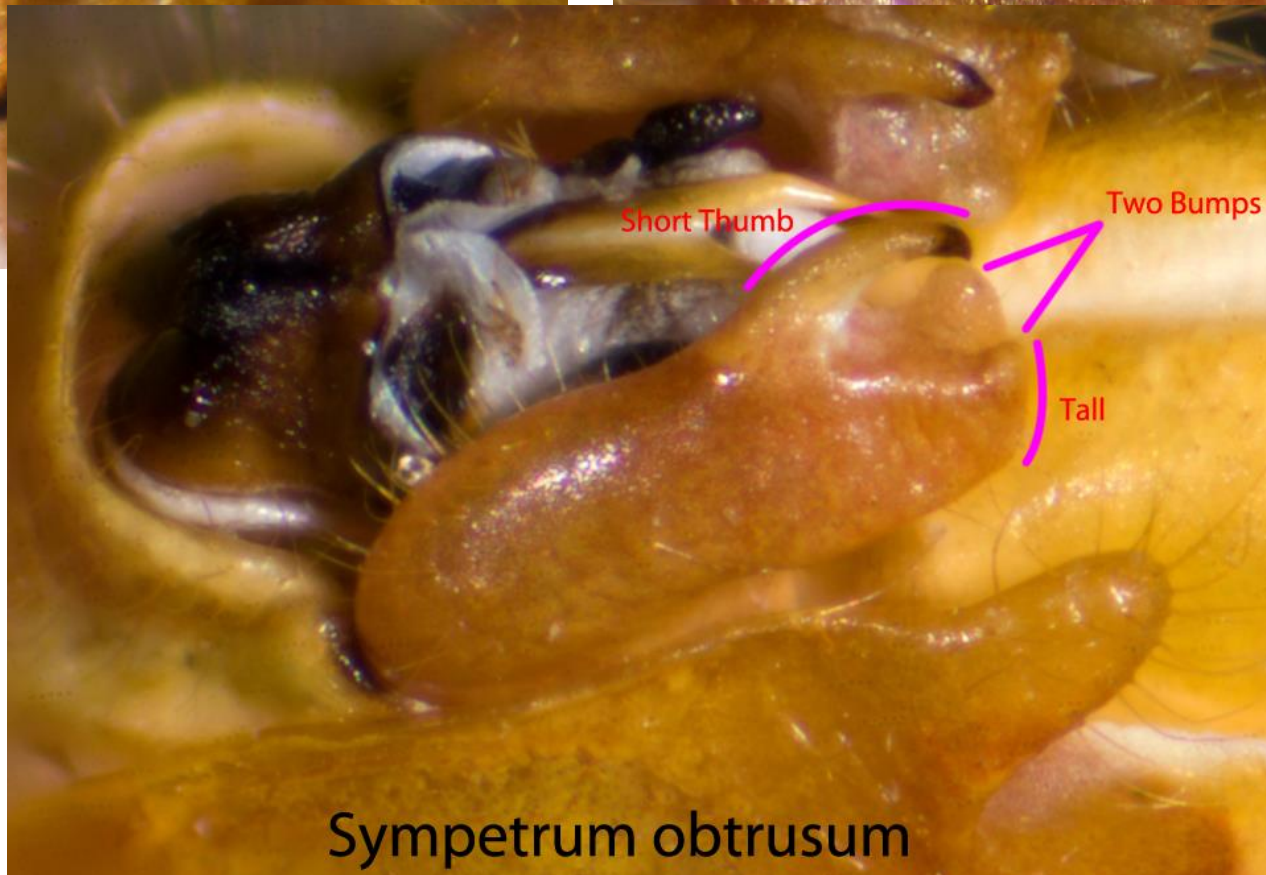
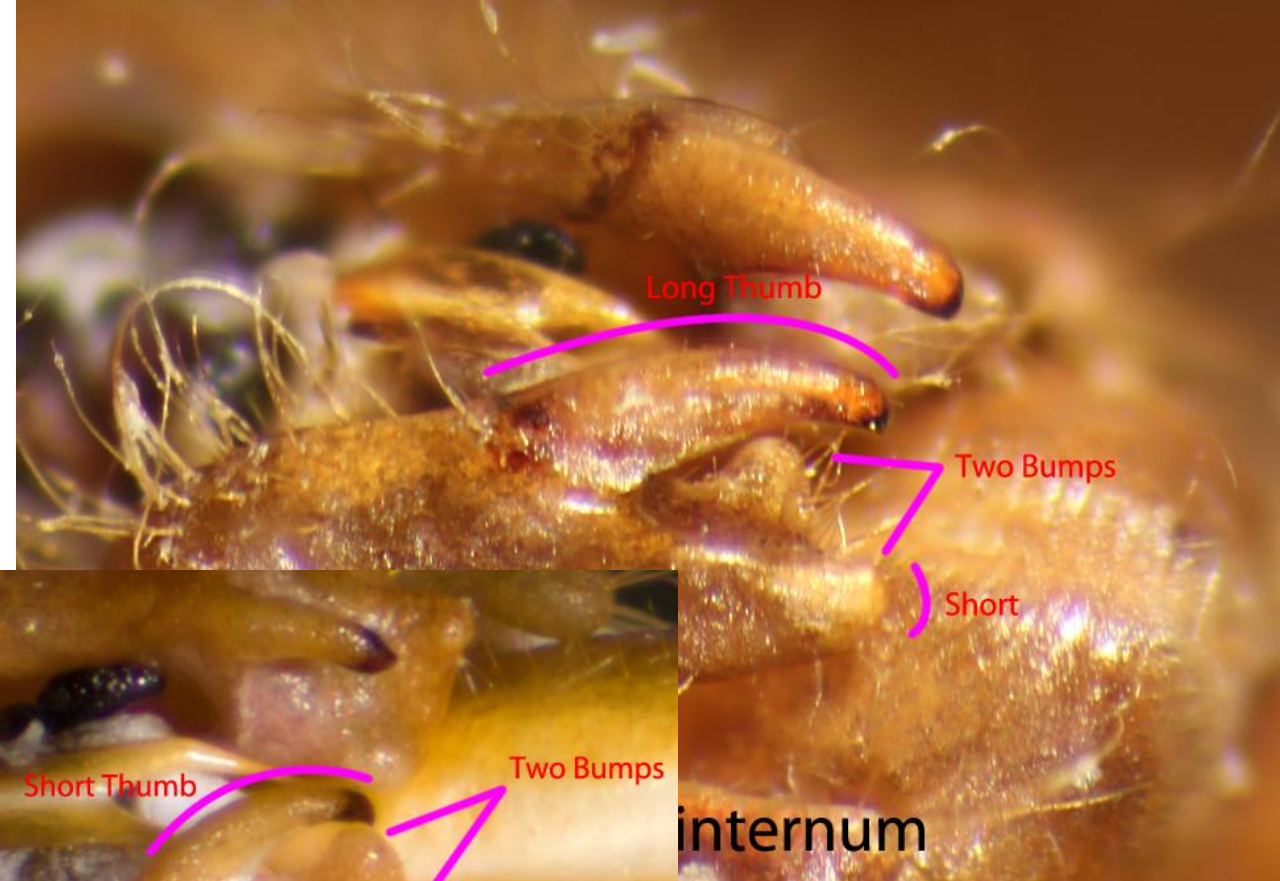
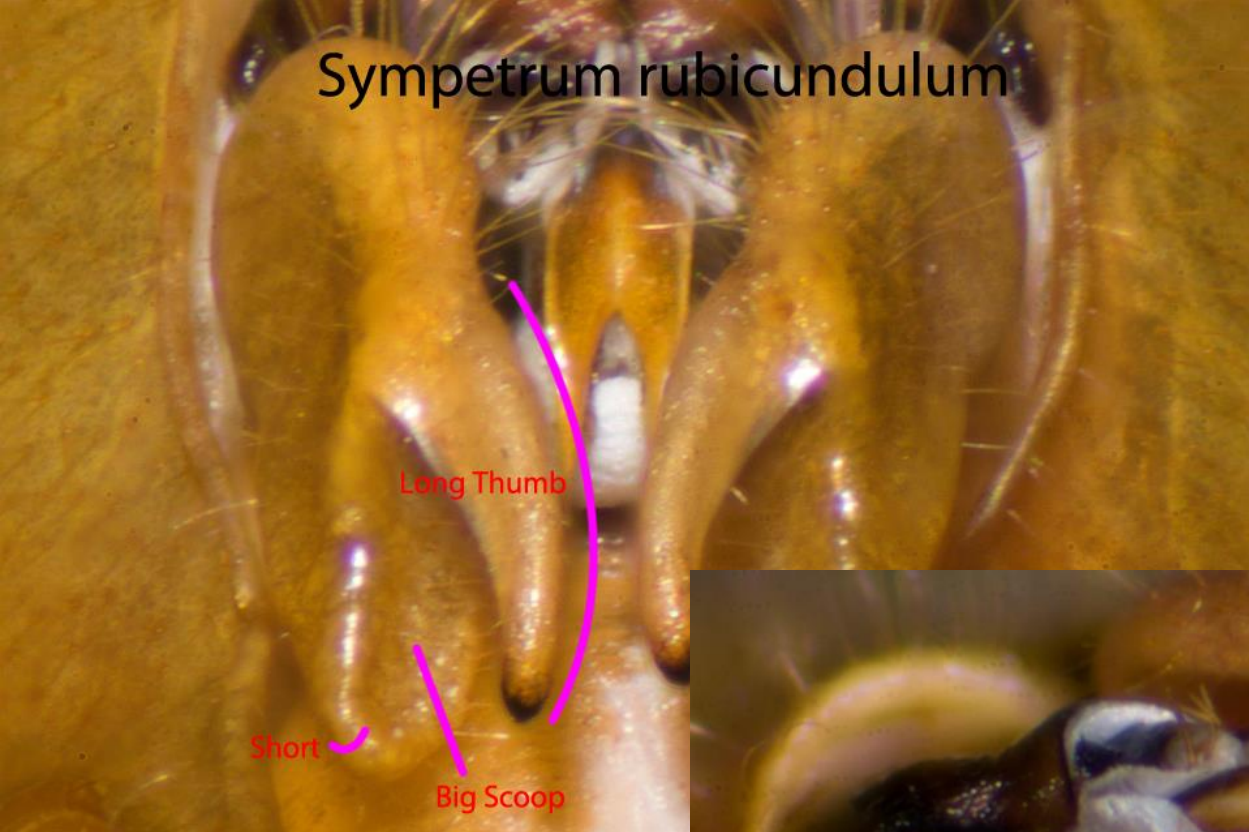
© Joshua Lincoln

Some are everywhere?



Sympetrum rubicundulum
Ruby Meadowhawk





Images and
diagram by
Curt Oien

Note Yellow Legs

Everywhere?

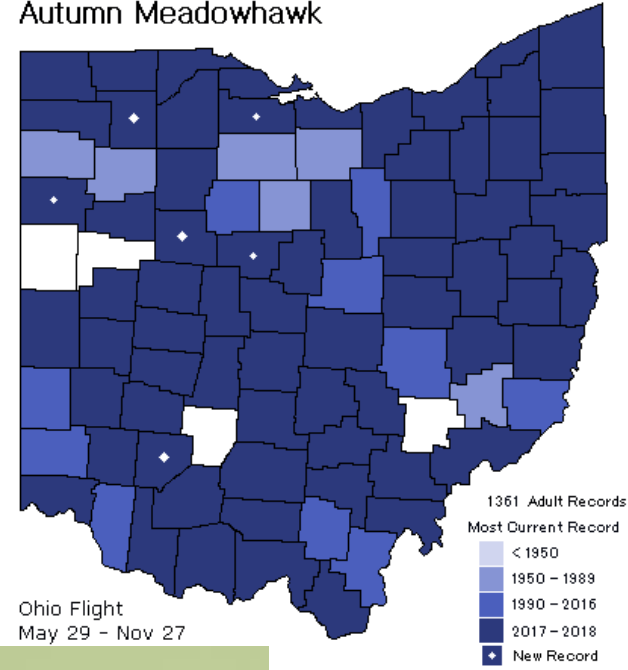
Autumn Meadowhawk
(*Sympetrum vicinum*)

Mercer, Auglaize, Fayette, and Morgan County remain!



© MaLisa Spring

Sympetrum vicinum
Autumn Meadowhawk



Everywhere?

Halloween Pennant (*Celithemis eponina*)

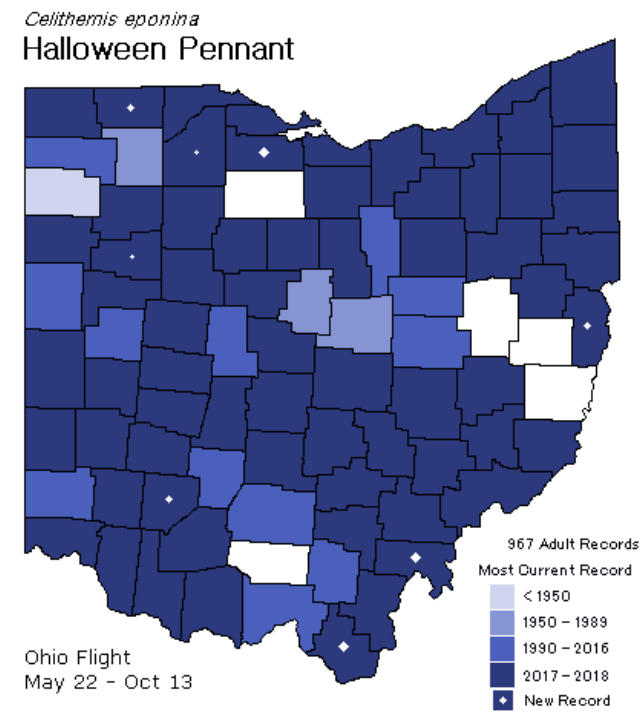
Seneca, Tuscarawas, Harrison, Belmont, and Pike County remain!



© MaLisa Spring



© MaLisa Spring



Everywhere?

Calico Pennant
(*Celithemis elisa*)

Harrison County
remains!

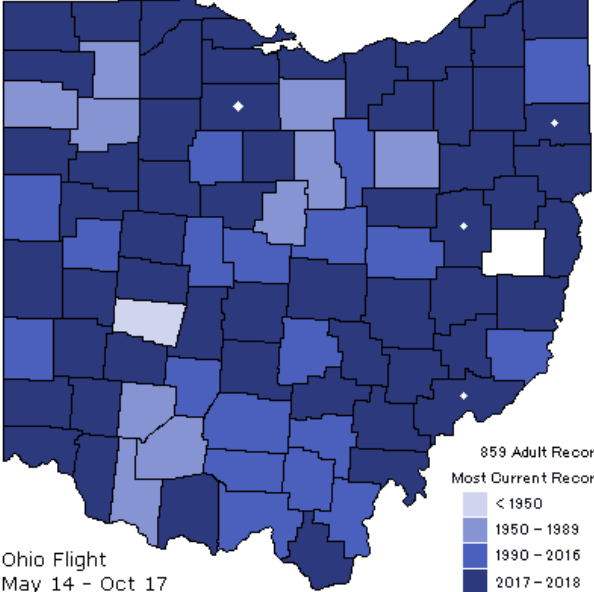


© MaLisa Spring



© MaLisa Spring

Celithemis elisa
Calico Pennant



“The Blueberry Dragon”

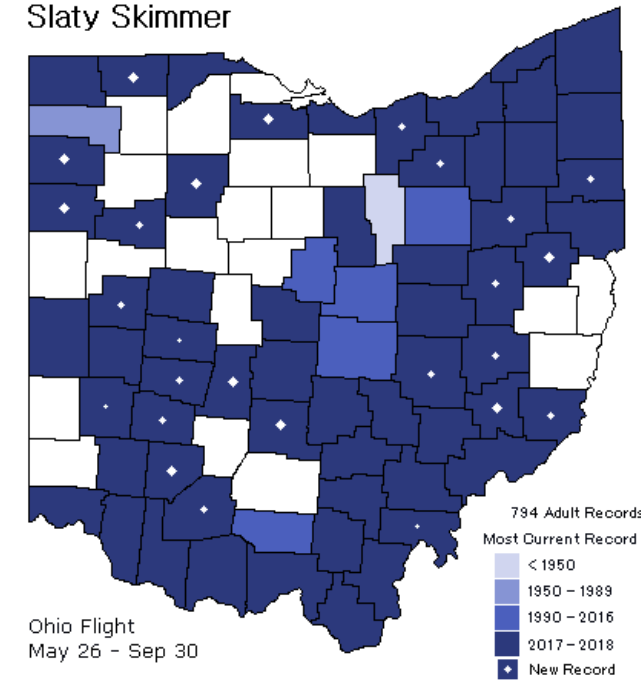
Everywhere?

Slaty Skimmer
(Libellula incesta)



© MaLisa Spring

Libellula incesta
Slaty Skimmer



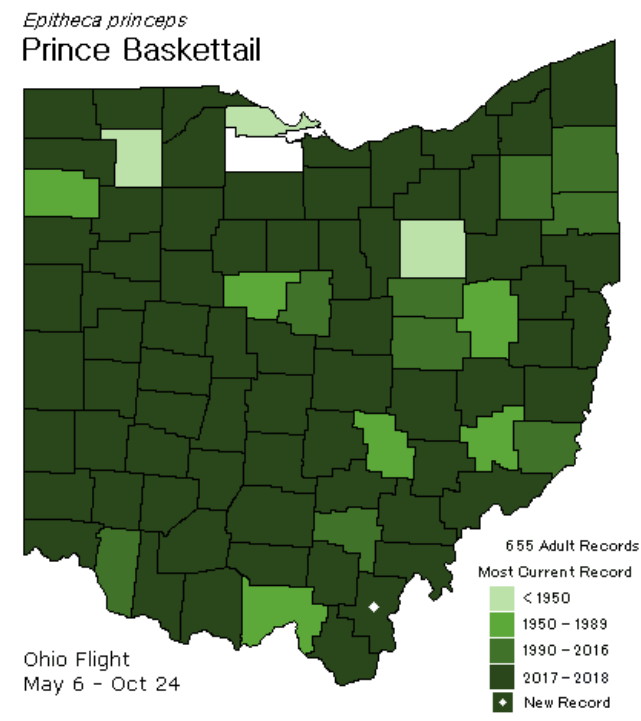
Family Corduliidae

Blurs are ok!

Everywhere?

Prince Baskettail
Epitheca princeps

Sandusky County
remains!



The brown blurs
in the shadows

Everywhere?

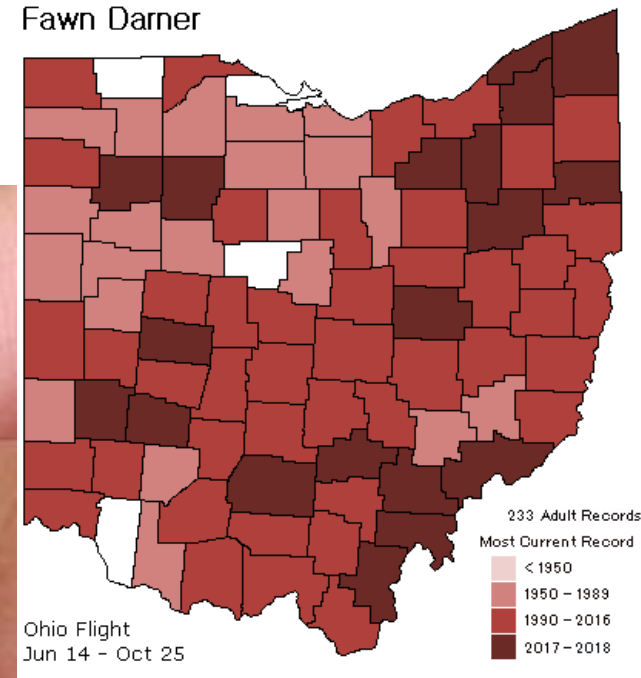
Fawn Darner
(*Boyeria vinosa*)

Fulton, Ottawa, Marion,
and Clermont County
remain!



© MaLisa Spring

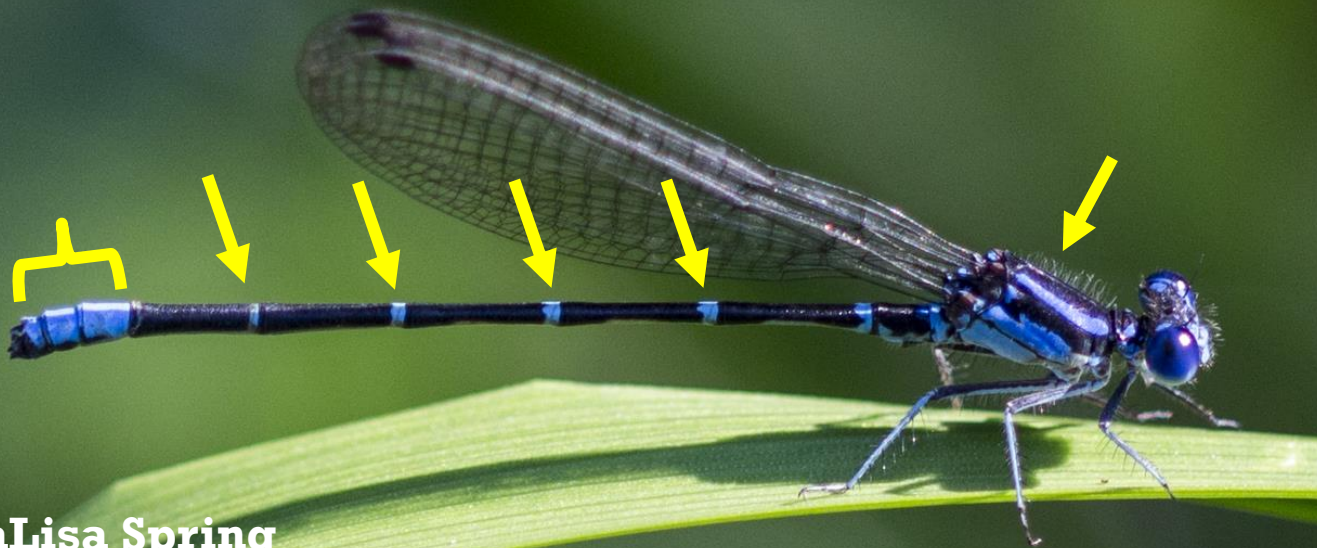
Boyeria vinosa
Fawn Darner



Family Coenagrionidae

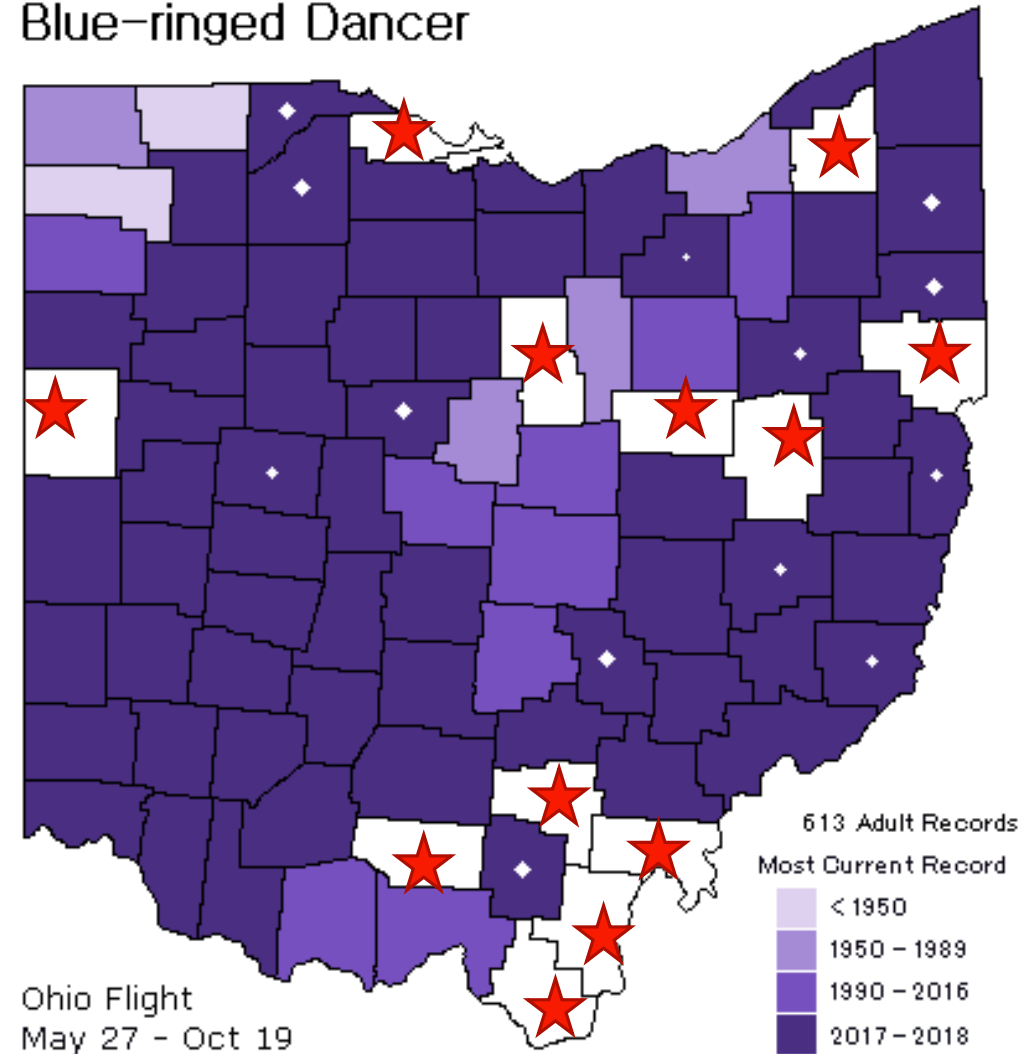
Everywhere?

Blue-ringed
Dancer (*Argia
sedula*)



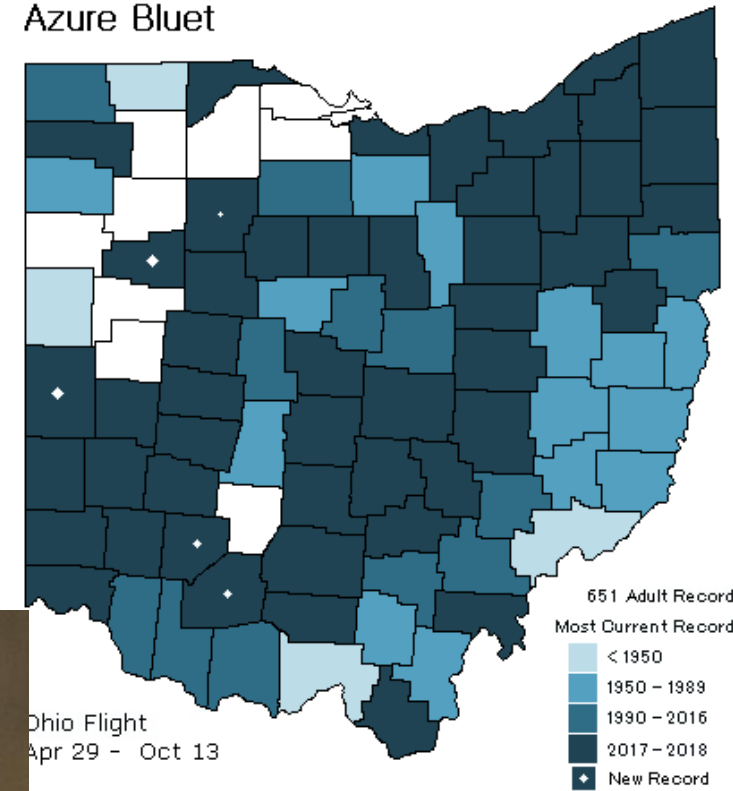
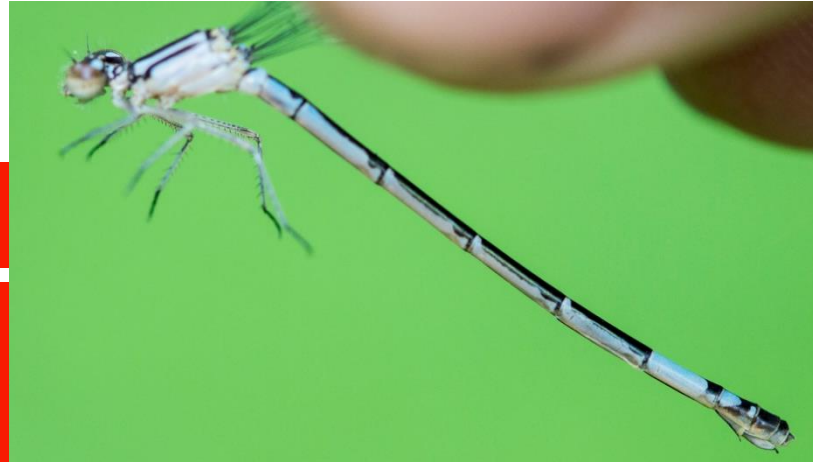
© MaLisa Spring

Argia sedula
Blue-ringed Dancer



Everywhere?

Azure Bluet
(*Enallagma aspersum*)



Everywhere?

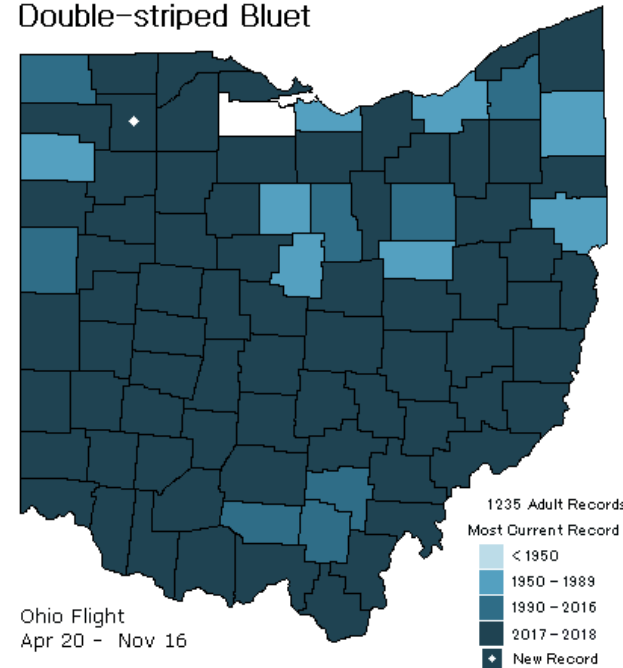
Double-striped
Bluet (*Enallagma
basidens*)

Sandusky County
remains!



© MaLisa Spring

Enallagma basidens
Double-striped Bluet



Family Coenagrionidae

Everywhere?

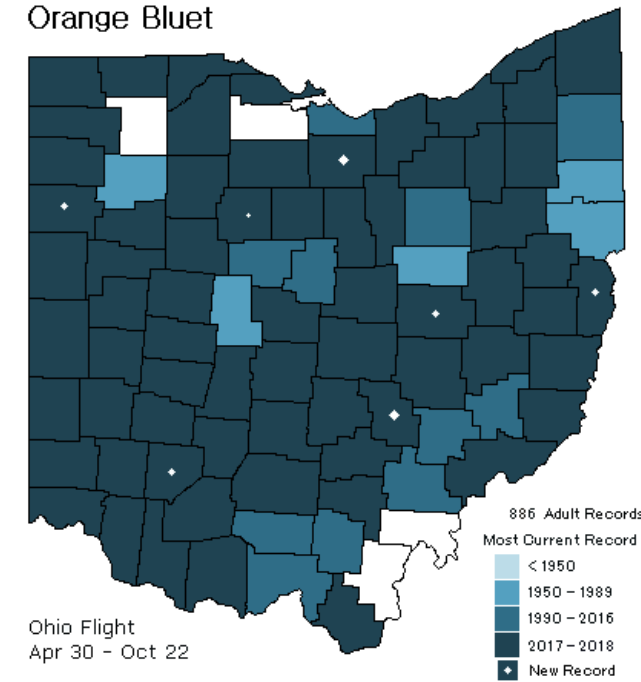
Orange Bluet
(*Enallagma signatum*)



Sandusky, Henry,
Gallia, and Meigs
County remain!



Enallagma signatum
Orange Bluet



Family Calopterygidae

Everywhere?

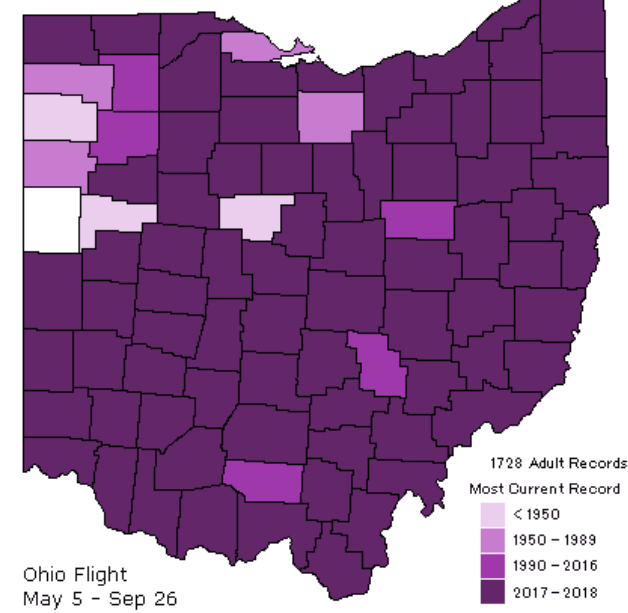
Ebony Jewelwing
(*Calopteryx maculata*)

Mercer
County remains!



© MaLisa Spring

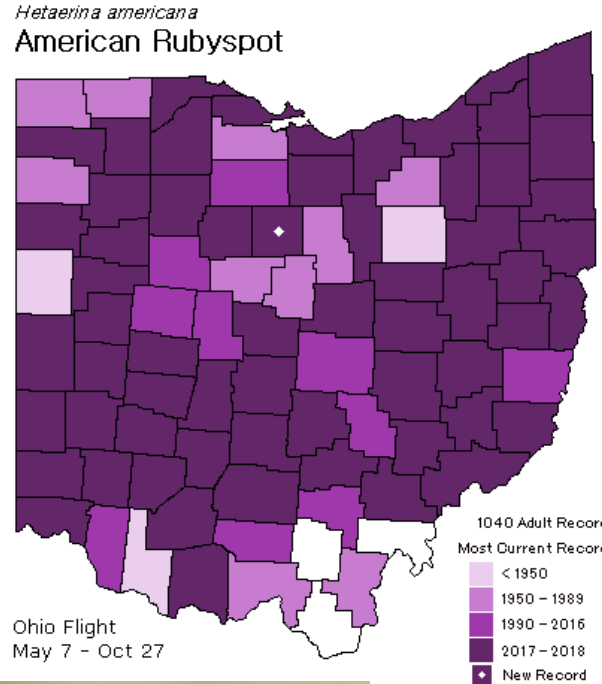
Calopteryx maculata
Ebony Jewelwing



Everywhere?

American
Rubyspot
(*Hetaerina
americana*)

Lawrence, Jackson, and
Meigs County remain!





Species that are nowhere???

Where did you go?

Yellow-sided Skimmer (*Libellula flavida*)





Yellow-sided Skimmer
© Greg Lasley

Untitled Map

Write a description for your map.

Legend

-  Southern Ohio Sand
-  Yellow-sided Skimmer



Yellow-sided Skimmer

521

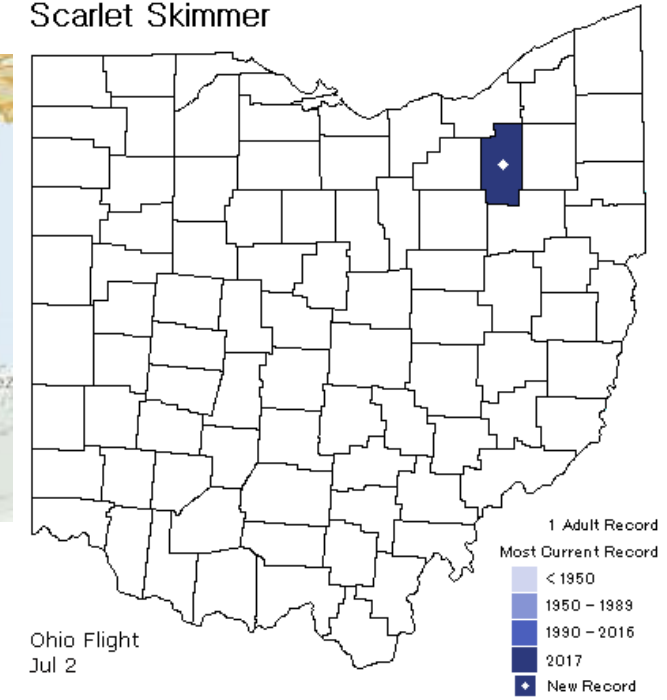
Overly Rd



1000 ft

Family Libellulidae

Crocothemis servilia
Scarlet Skimmer



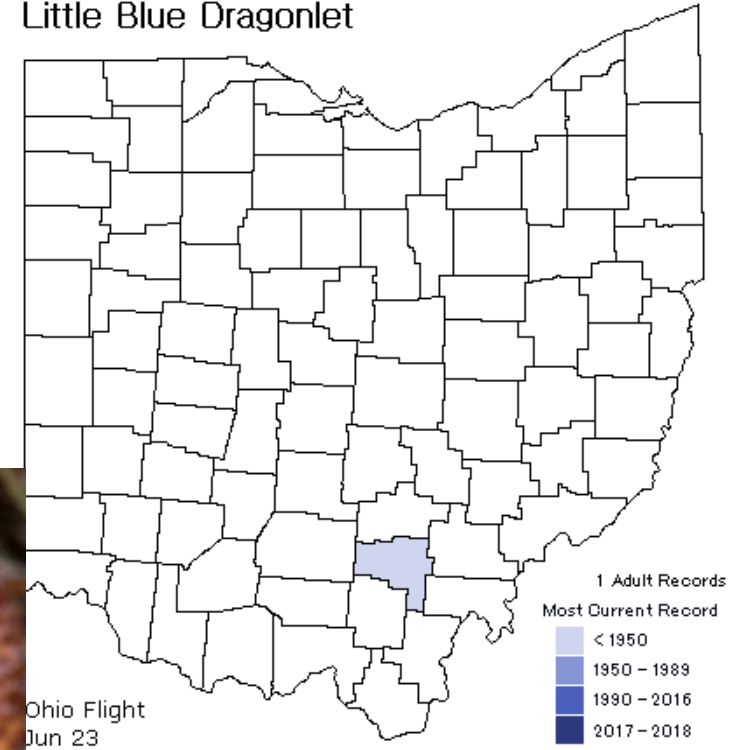
Scarlet Skimmer
(*Crocothemis servilia*)



© MaLisa Spring

A single record from Vinton Co
Reported by Borrer in 1933

Erythrodiplax minuscula
Little Blue Dragonlet



Where did you go?

Little Blue
Dragonlet
(*Erythrodiplax
minuscula*)



© Joshua Lincoln



© Joshua Lincoln

Family Corduliidae

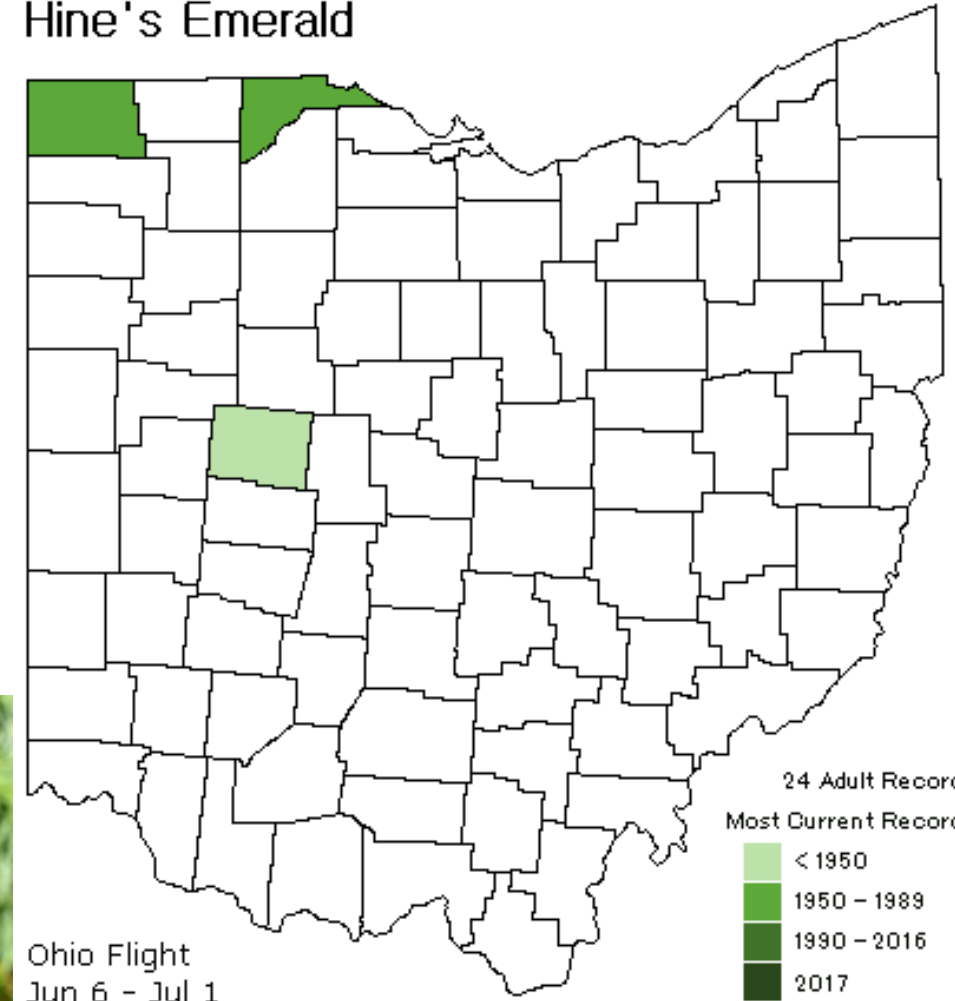
Hine's Emerald (*Somatochlora hineana*)



© Jim McCormac

Somatochlora hineana
Hine's Emerald

Endangered



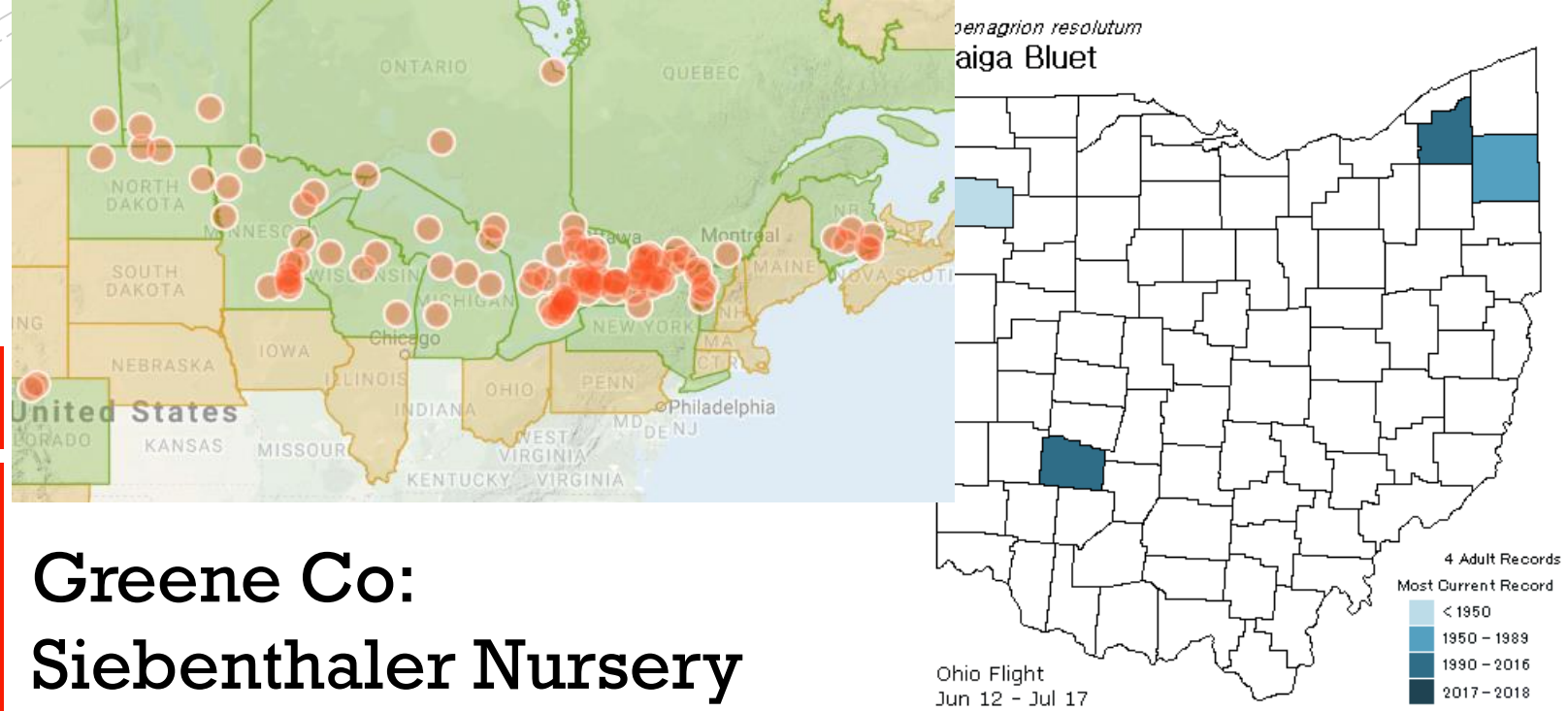
Family Coenagrionidae

Last seen in 1993

Where did you go?

Taiga Bluet
(*Coenagrion resolutum*)

Lots of black on abdomen
U black mark on s2



Greene Co:
Siebenthaler Nursery
→ Beaver Creek Wetlands
Geauga Co: Cuyahoga River

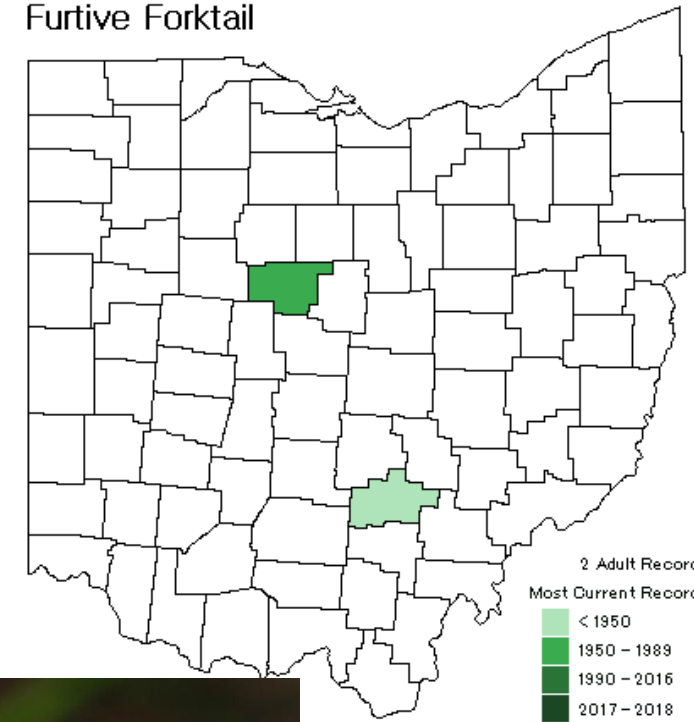


© Joshua Lincoln

Reported via
publications in
Ohio
in 1930 and 1959

Where did you go?

Furtive Forktail
(*Ischnura prognata*)

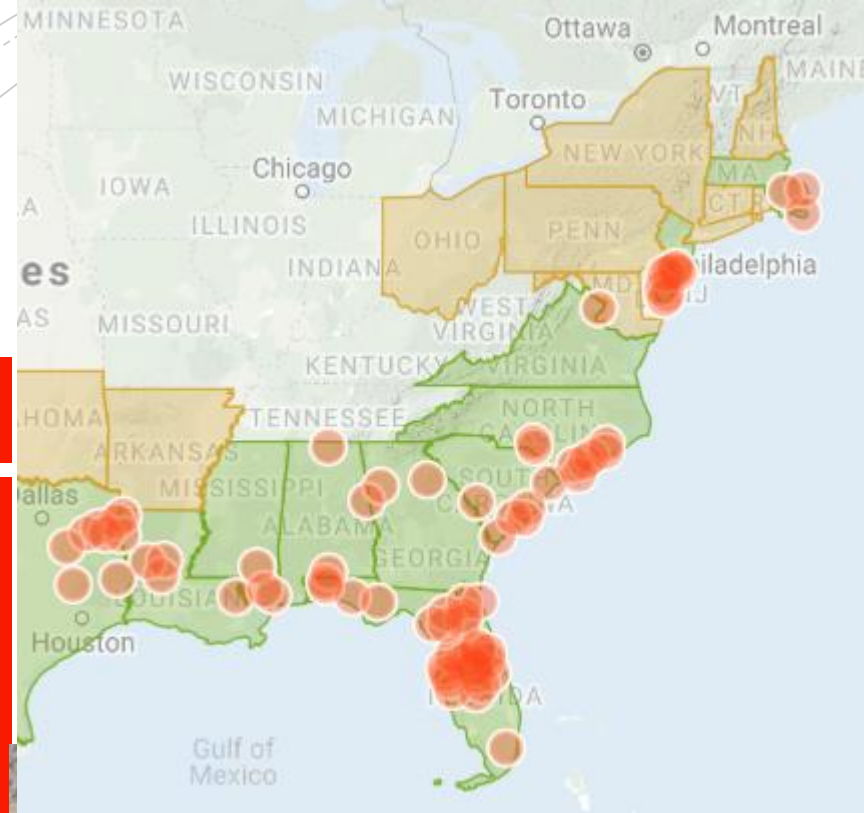


Family Coenagrionidae

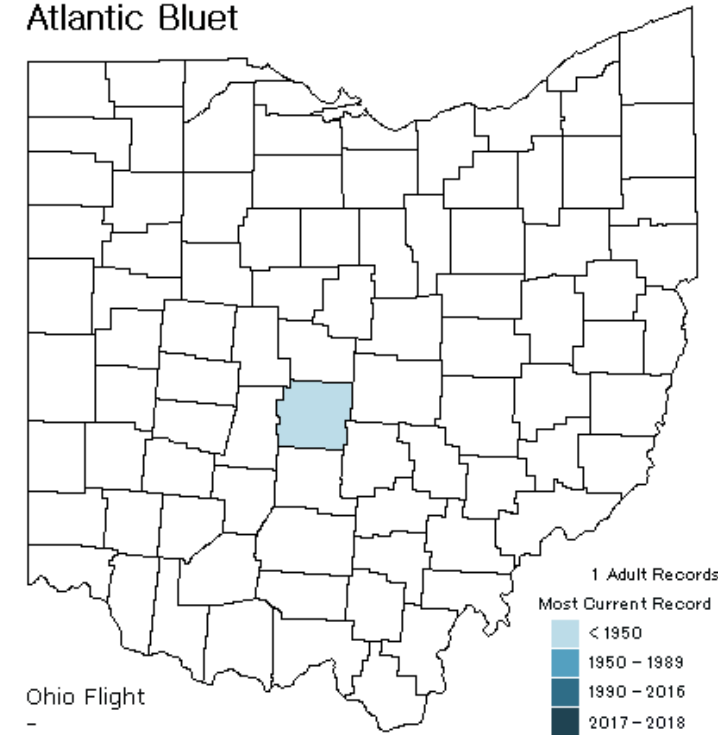
Last seen in 1897?

Where did you go?

Atlantic Bluet
(*Enallagma doubledayi*)



Enallagma doubledayi
Atlantic Bluet



© Joshua Lincoln



© Joshua Lincoln



Mid April 2019
Carriage Hill Metro Park
Dayton Area
Sheree Cyra Moorman



THE OHIO STATE UNIVERSITY



Questions?

MaLisa Spring

spring.99@osu.edu

All photos used with permission
or by the author



Dragonfly & Damselfly
Records from Ohio!

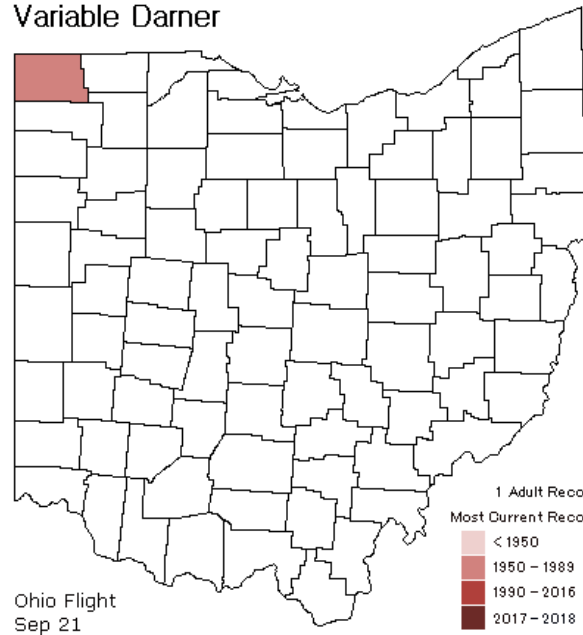


Submit photos
to [iNaturalist.org](https://www.inaturalist.org)

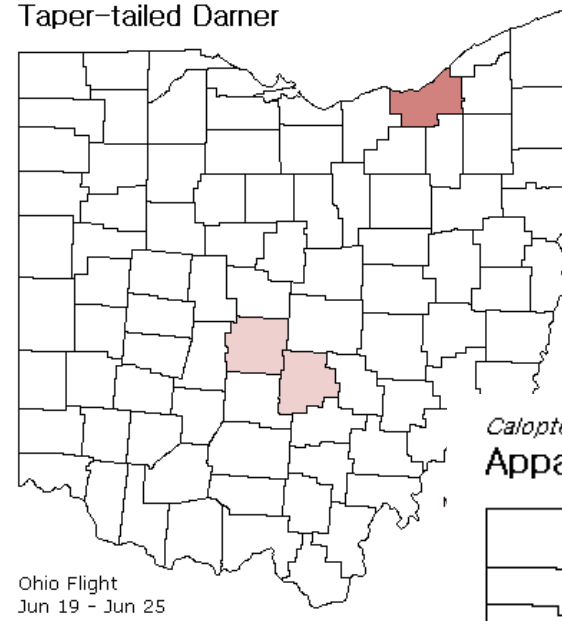


Naturalist

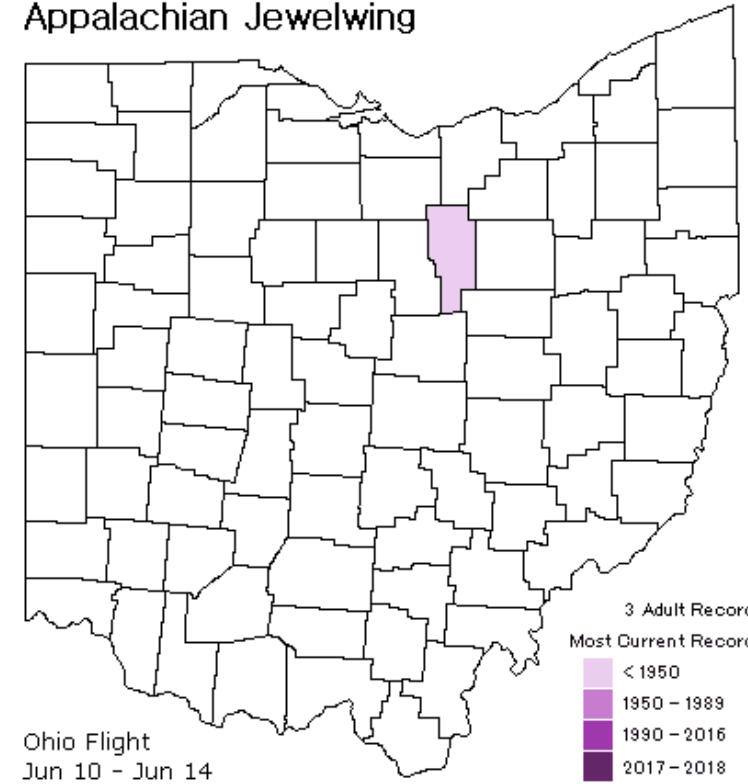
Aeshna interrupta
Variable Darner



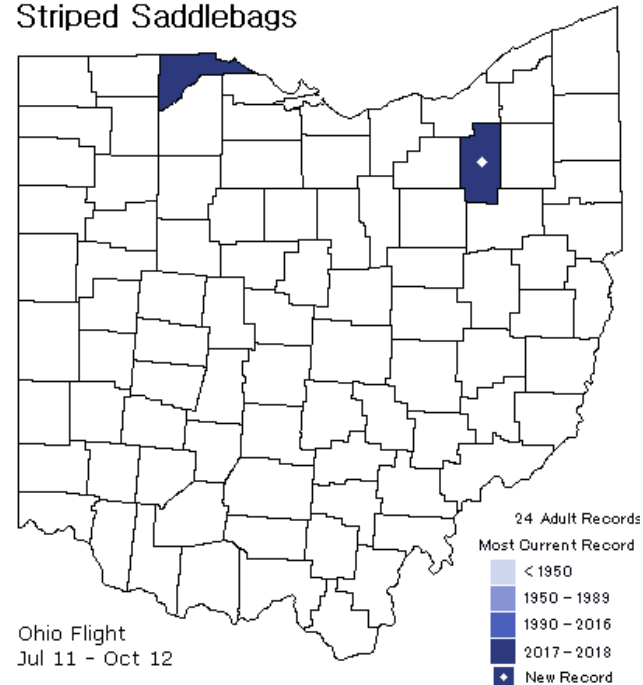
Gomphaeschna antilope
Taper-tailed Darner



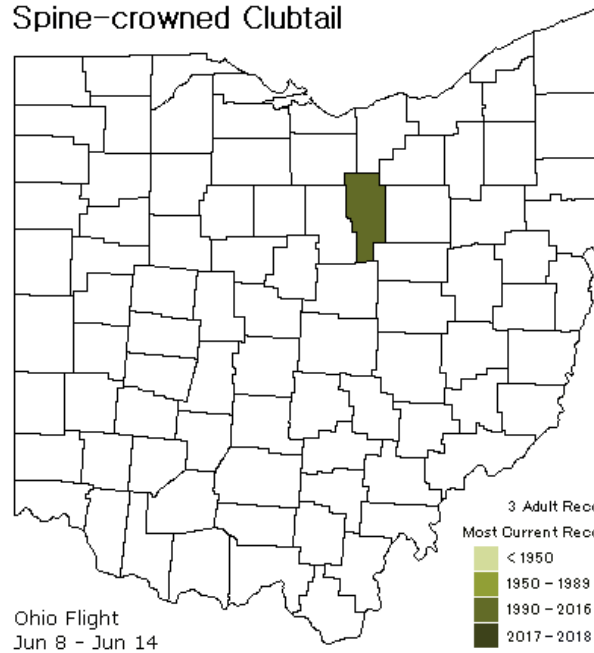
Calopteryx angustipennis
Appalachian Jewelwing



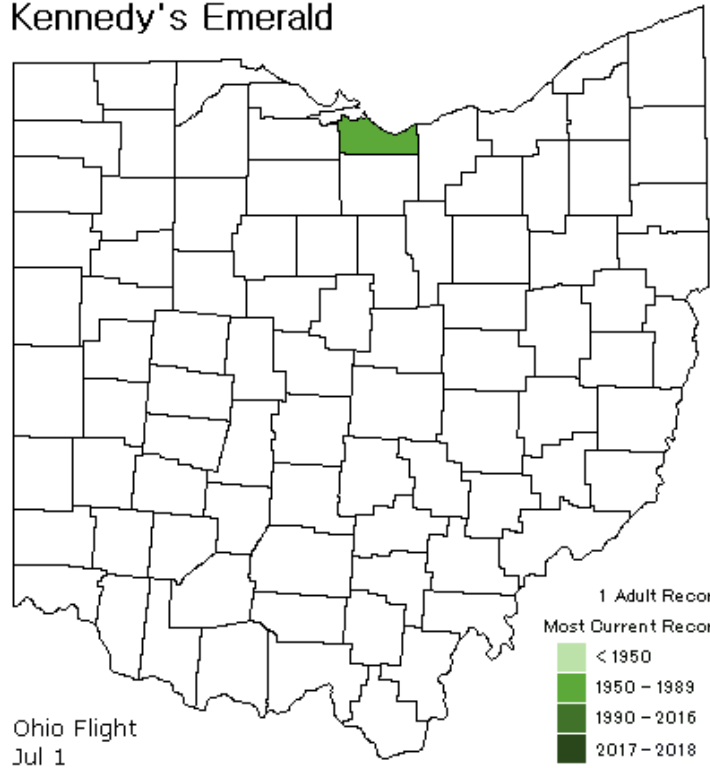
Tramea calverti
Striped Saddlebags



Hylogomphus abbreviatus
Spine-crowned Clubtail

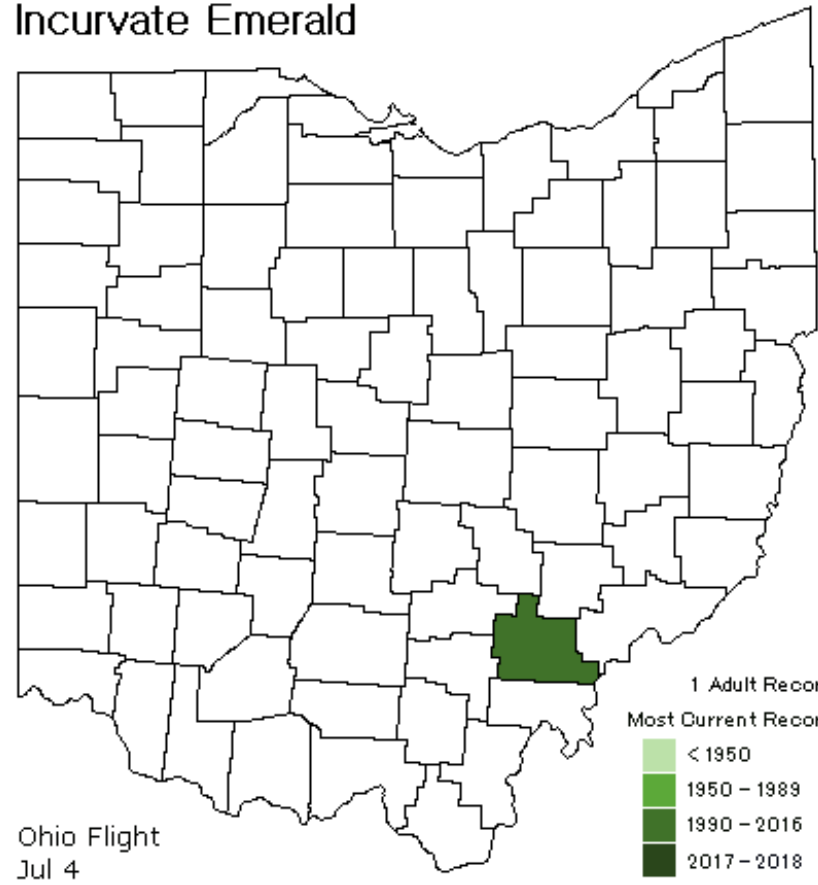


Somatochlora kennedyi
Kennedy's Emerald



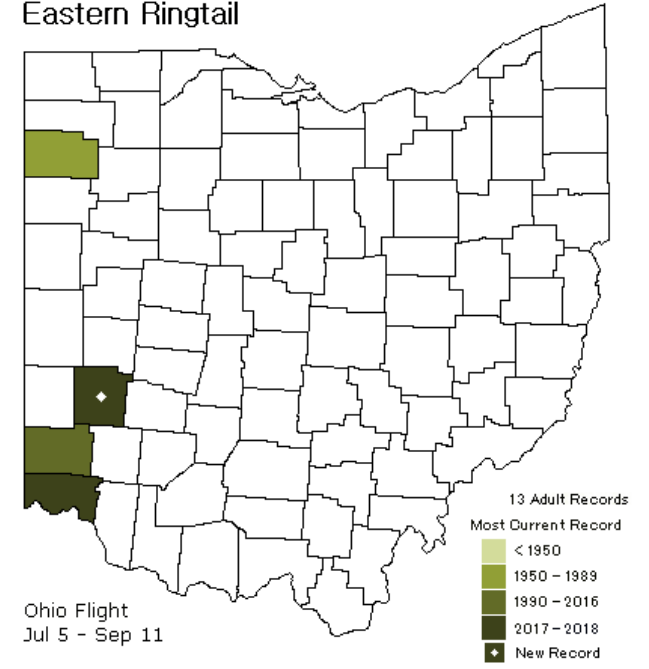
Ohio Flight
Jul 1

Somatochlora incurvata
Incurvate Emerald



Ohio Flight
Jul 4

Erpetogomphus designatus
Eastern Ringtail



Ohio Flight
Jul 5 - Sep 11

