

Newsletter of the Ohio Odonata Society

# Ohio Dragon Flyer



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## Ohio Odonata Society Board

*President* – Kyle Bailey  
k47bailey@gmail.com

*Vice President* – Dave McShaffrey  
mcshaffd@marietta.edu

*Past-President* – MaLisa Spring  
spring.99@osu.edu

*Member-at-Large* – Chelsea Gottfried  
chelsea.gottfried@gmail.com

*Treasurer* – Sherree Cyra  
bluebell101sc@gmail.com

*Data Manager* – Jim Lemon  
jlem@woh.rr.com

*Newsletter Editor* – Jim Lundberg  
lundbergj@hotmail.com

## In This Issue

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Survey Corner – Hawthorne Crossing. Jim Lundberg

The 2022 Season – Jim Lemon

2022 Ohio Odonata Survey – Counties and Species.  
Jim Lemon

## Cover Photo

### **Spattercock Darner** (*Rhionaeschna mutata*)

Champaign County, OH. 9 November 2022. Terri Norris  
OM-1, Olympus 100-400mm @ 400mm, 1/800, f/13, ISO 8000

My default dragonfly settings use an aperture of F8, but I bumped it to F13 to make sure and get adequate depth of field for this dragon. This Spatterdock was a new dragonfly for me! *Terri Norris.*

## Vice President – Dave McShaffrey



Dave McShaffrey is Professor of Biology, Environmental Science and Leadership at Marietta College. He completed his BS and MS at the University of Akron and his PhD in Entomology at Purdue.

Since joining Marietta College in 1989, Dave has worked with the Ohio Odonata Survey (later to become the Ohio Odonata Society); he did field work and museum research as well as writing 5 chapters and co-editing the 2002 book “Dragonflies and Damselflies of Ohio” published by the Ohio Biological Survey and wrote portions of the ODNR pamphlet on Odonata. He has been on both the advisory board and the board of trustees of the OBS and was part of the early discussions with the creators of iNaturalist about how it could be used for community science.

Dave’s photographs have appeared in journal articles, magazines, textbooks and field guides. He has also been working on the current survey, contributing more than 5,000 observations. He has attended several Dragonfly Society of the Americas (DSA) meetings and helped organize the 2002 DSA meeting in West Virginia.

Current plans are to hold the 2024 Dragonfly Society of America in Marietta concurrently with the Ohio Odonata Society meeting.

**Field Guide to Ohio Odonata:** Dave is currently working on the field guide to Ohio Odonata with Jim McCormac and MaLisa Spring (who coordinated the current survey); after covid and other health-related delays, it is anticipated that the book will be available before the 2024 meeting. The book will cover all species of Odonata known to occur in the state with mention of a few likely to be found here in the near future and will be illustrated with color photos by the authors and a host of OOS members who have donated their images to the cause. Distribution data for the state will combine the data from the 2002 book (which has records going back to the 1800’s) as well as all the new data (combined over 165,000 records from OOS members and other enthusiasts) all curated into a single database by Jim Lemon. The book will be published by the Ohio Biological Survey and will be designed by Jesse Smith who also designed the recent OBS publication on the natural history of Ohio fish; the two books will be similar in style.

## Any Ode Question

The knowledge base among our society members covers a wide spectrum. If you have questions or answers, please participate. Answers may be one line up to a full page. All answers submitted by the membership will be published in the following newsletter. Recurrent series. Submit questions or answers to [lundbergj@hotmail.com](mailto:lundbergj@hotmail.com)

**Q.** *Are the number of instars and seasons before emergence as adults entirely species-dependent, or do they also depend on environmental factors? Also, what changes other than size occurs molt to molt? Thank you in advance, Jim Lundberg.*

## Subject Series Managers – Seeking Volunteers

As of yet, no one has stepped forward to suggest subject series or to claim management of one of the subject series suggested below. Newsletter content is a reflection of Ohio Odonata Society members and their Ode-related pursuits. Help direct the course of the Ohio Odonata Society!

### Conservation Corner

Backyard habitat improvement. Wetland restoration projects. Regional habitat loss. Regional habitat protection measures. Environmental change affecting Odes. Etc. Photos may accompany articles in this series. Series managers will determine the scope, direction, frequency and termination of the series.

### Survey Corner

Maintaining data collection accuracy. Property permissions. Frequency. Times of day. Expectations versus results. Survey reports of any size – backyard, park, county or statewide. Series managers should have some background in this discipline (Ohio Biological Survey members and etc.). Series managers will determine the scope, direction, frequency and termination of the series.

### Any Ode Question

Any question Ode. Responses may be one-line answers or full-page explanations. The knowledge base among our society members covers a wide spectrum. Volunteer experts, please contact the editor with your area(s) of expertise/interest. In the absence of volunteer experts, questions shall be published in one month's newsletter, and all answers submitted by the membership will be published in the following month's newsletter. Monthly recurrent series.

### Field Trip

Providing more detail than can be found on iNaturalist, field trip reports connect us with Society members from across the state. Whether covering a new destination or a favorite site, by an individual or group, articles will provide elements of human-interest. Photos will accompany most articles in this

series. Series managers will be the point of contact for submissions. In the absence of submissions, the managers will review iNaturalist observations and Odonata Ohio posts for interesting outings from which to solicit submissions. Monthly recurrent series through the flight season.

### Observation of the Month

Observation of the Month is not, necessarily, a stunning image suitable for the Newsletter cover but is significant in other ways – early or late flight date, county record, uncommon species, difficult ID, interesting behavior and etc. Observation of the Month is, probably, best managed by the group of individuals most involved with iNaturalist observation ID. Monthly recurrent series through the flight season.

There are no long-term commitments for the managing volunteers – it is understood that life happens. The subject series manager can be a single individual or a group. Article submissions require a week minimum before end-of-month publishing. This allows time for edit, layout, obtaining observation permissions and return for review.

To volunteer as a subject series manager or offer suggestions for additional series articles, contact Jim Lundberg. [lundbergj@hotmail.com](mailto:lundbergj@hotmail.com)

## Ode Lang Syne 2022

Many thanks to Sarah White, Mike Abel, Cathy Lundberg, Jim Lundberg, Dave Hochadel, Jim Lemon, Linda Gilbert, Jon Cefus, Rick Nirschl, Tami Gingrich, Jacki Riley, Sally Isacco, Jim Heflich, Katie Barricklow, Rick Barricklow, Larry Rosche, Jay Heiser, Dennis Meyers, Shane Myers and Dave Tibbetts for sharing a few of their favorite Ode photos from the Ohio 2022 flight season. Photographers retain full copyright over their images.

Sarah White



**Dragonhunter** (*Hagenius brevistylu*)  
June 8, 2022. Montgomery County, OH. Sarah White.



**Cobra Clubtail** (*Gomus vastus*)  
June 1, 2022. Montgomery County, OH. Sarah White.



**Handsome Clubtail** (*Gomphus crassus*)  
June 4, 2022. Montgomery County, OH. Sarah White.



**Flag-tailed Spinyleg** (*Dromogomphus spoliatus*)  
Sept. 21, 2022. Greene County, OH. Sarah White.

Cathy Lundberg



**Halloween Pennant** (*Celithemis eponia*)  
13 July 2022. Clermont County, OH. Cathy Lundberg.



**Slaty Skimmer** (*Libellula incesta*)  
7 July 2022. Adams County, OH. Cathy Lundberg.



**Eastern Ringtail** (*Erpetogomphus designates*)  
2 Aug 2022. Hamilton County, OH. Cathy Lundberg.



**Comet Darner** (*Anax longipes*)  
13 June 2022. Clermont County, OH. Cathy Lundberg.



**Twelve-spotted Skimmer** (*Libellula pulchella*)  
20 July 2022. Clermont County, OH. Cathy Lundberg



**Carolina Saddlebags** (*Tamea Carolina*)  
7 July 2022. Hamilton County, OH. Cathy Lundberg

Mike Abel



**Unicorn Clubtail** (*Arigomphus villosipes*)  
3 June 2022. Miami County, OH. Mike Abel.



**Calico Pennant** (*Celithemis elisa*)  
3 June 2022. Miami County, OH. Mike Abel.



**Twelve-spotted Skimmer** *Libellula pulchella*  
12 August 2022. Fayette County, OH. Mike Abel.



**Blue-faced Meadowhawk** (*Sympetrum ambiguum*)  
16 September 2022. Greene County, OH. Mike Abel.



**Halloween Pennant** (*Celithemis eponina*)  
11 July 2022. Warren County, OH. Mike Abel.



**Autumn Meadowhawk** (*Smpetrum vicinum*)  
10 October 2022. Greene County, OH. Mike Abel.

Jim Lundberg



**Eastern Ringtail** (*Erpetogomphus designates*)  
24 August 2022. Hamilton County, OH. Jim Lundberg.



**Midland Clubtail** (*Gomphus fraternus*)  
20 May 2022. Adams County, OH. Jim Lundberg.



**Russet-tipped Clubtail** (*Stylurus plagiatu*s)  
28 August 2022. Hamilton County, OH. Jim Lundberg.



**Swift River Cruiser** (*Macromia illinoiensis*)  
5 June 2022. Adams County, OH. Jim Lundberg.



**Cyrano Darner** (*Nasiaeschna pentacantha*)  
3 June 2022. Hamilton County, OH. Jim Lundberg.



**Great Blue Skimmer** (*Libellula vibrans*)  
4 June 2022. Hamilton County, OH. Jim Lundberg.





**Tiger Spiketail** (*Cordulegaster erronea*)  
28 June 2022. Hamilton County, OH. Dave Hochadel.



**Plains Clubtail** (*Gomphurus externus*)  
June 2022. Ohio. Dave Hochadel.



**Stream Cruiser** (*Didymops transversa*)  
24 May 2022. Medina County, OH. Dave Hochadel.



**Seepage Dancer** (*Argia bipunctulata*)  
11 June 2022. Stark County, OH. Dave Hochadel.



**Southern Pygmy Clubtail** (*Lanthus vernalis*)  
8 June 2022. Ashtubula County, OH. Dave Hochadel.

Jim Lemon



**Furtive Forktail** (*Ischnura prognata*)  
May 2022. Champaign County, OH. Jim Lemon



**Northern Spreadwing** (*Lestes disjunctus*)  
June 2022. Williams County, OH. Jim Lemon.



**Handsome Clubtail** (*Gomphurus crassus*)  
June 2022. Darke County, OH. Jim Lemon.



**Double-ringed Pennant** (*Celithemis verna*)  
21 June 2022. Jackson County, Ohio. Jim Lemon.



**Uhler's Sundragon** (*Helocordulia uhleri*)  
May 2022, Hocking County, OH. Jim Lemon.



**Swift Setwing** (*Dythemis velox*)  
September 2022. Champaign County, OH. Jim Lemon.

Jim Heflich



**Dragonhunter** (*Hagenius brevistylus*)  
10 June 2022. County, OH. Jim Heflich.



**Splendid Clubtail** (*Gomphurus lineatifrons*)  
27 June 2022. Lake County, OH. Jim Heflich



**Green-faced Clubtail** (*Hylgomphus viridifrons*)  
10 June 2022. County, OH. Jim Heflich.



**Yellow-sided Skimmer** (*Libellula flavida*)  
15 June 2022. Pike County, OH. Jim Heflich.



**Delta-spotted Spiketail** (*Cordulegaster diastatops*)  
11 June 2022. Ashtabula County, OH. Jim Heflich.



**White-faced Meadowhawk** (*Sympetrum obtrusum*)  
13 August 2022. Geauga County, OH. Jim Heflich.



**Stream Cruiser (*Didymops transversa*)**  
25 May 2022. Medina County, OH. Sally Isacco.



**Harlequin Darner (*Gomphaeschna furcillata*)**  
29 May 2022. Geauga County, OH. Sally Isacco



**Beaverpond Baskettail (*Epietheca canis*)**  
15 May 2022. Lake County, OH. Sally Isacco.



**Tule Bluet (*Enallagma carunculatum*)**  
7 September 2022. Trumbull County, OH. Sally Isacco.



**Black-tipped Darner (*Aeshna tuberculifera*)**  
16 September 2022. Lake County, OH. Sally Isacco.



**Golden-winged Skimmer (*Libellula auripennis*)**  
14 July 2022. Hocking County Lake, OH. Sally Isacco.



**Mocha Emerald** (*Somatochlora linearis*)  
July 2022. Ohio. Rick Nirschl



**Riffle Snaketail** (*Ophiogomphus carolus*)  
19 June 2022. Lake County, OH. Rick Nirschl



**Dragonhunter** (*Hagenius brevistylu*)  
10 July 2022. Hocking County, OH. Rick Nirschl



**Blue Dasher** (*Pachydiplax longipennis*)  
14 June 2022. Lucas County, OH. Rick Nirschl



**Black Saddlebags** (*Tramea lacerata*)  
18 September 2022. Lucas County, OH. Rick Nirschl



**Common Sanddragon** (*Progomphus obscurus*)  
10 July 2022. Pike County, OH. Rick Nirchl.



**Ruby Meadowhawk** (*Sympetrum rubicundulum*)  
14 July 2022. Lucas County, OH. Rick Nirchl.



**Blue-faced Meadowhawk** (*Sympetrum ambiguum*)  
1 October 2022. Lucas County, OH. Rick Nirchl

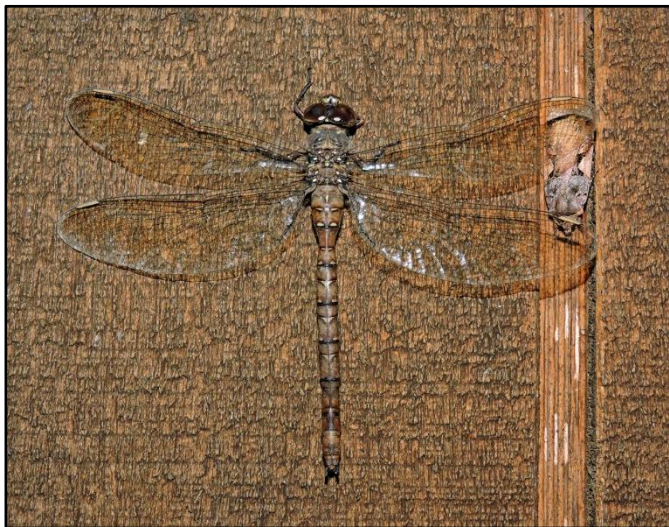


**Royal River Cruiser** (*Macromia taeniolata*)  
24 August 2022. Lucas County, OH. Rick Nirchl.



**Red Saddlebags** (*Tamea onusta*)  
2 August 2022. Lucas County, OH. Rick Nirchl.

Tami Gingrich



**Ocellated Darner** (*Boyeria grafiana*)  
September 2022. Ohio. Tami Gingrich.

Katie Barricklow



**Eastern Amberwing** (*Perithemis tenera*)  
**Margined Calligrapher** (*Toxomerus marginatus*)  
2022. Lake Loramie, OH. Katie Barricklow

Jackie Riley



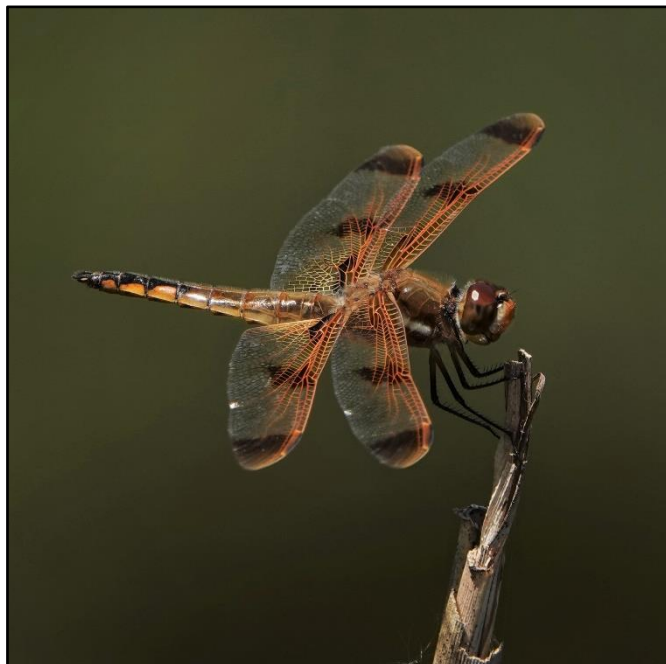
**Little Blue Dragonlet** (*Erythrodiplox miniscula*)  
29 May 2022. Lucas County, OH. Jackie Riley.



**Green-striped Darner** (*Aeshna verticalis*)  
2022. Lucas County, OH. Katie Barricklow.



**Comet Darner** (*Anax longipes*)  
**Familiar Bluet** (*Enallagma civile*)  
2022. Lucas County, OH. Rick Barricklow



**Painted Skimmer** (*Libellula semifasciata*)  
2022. Lucas County, OH. Rick Barricklow



**Comet Darner** (*Anax longipes*) (as predator)  
**Prince Baskettail** (*Epiptera princeps*) (as prey)  
2022. Lucas County, OH. Rick Barricklow.



**Common Green Darner** (*Anax junius*)  
2022. Lucas County, OH. Rick Barricklow.



Larry Rosche



**Splendid Clubtail** (*Gomphurus lineatifrons*)  
June 2022. Portage County, OH. Larry Rosche.

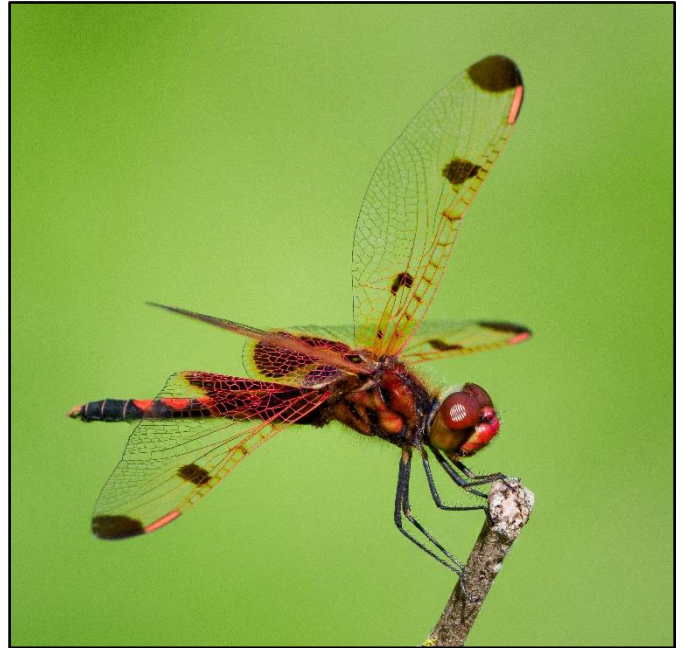
Jay Heiser



**American Rubyspot** (*Hetaerina americana*)  
2022. OH. Jay Heiser



**Blue-fronted Dancer** (*Argia apicalis*)  
2022. OH. Jay Heiser



**Calico Pennant** (*Celithemis elisa*)  
2022. OH. Jay Heiser.



**Double-striped Bluet** (*Enallagma basidens*)  
2022. OH. Jay Heiser



**Unicorn Clubtail** (*Arigomphus villosipes*)  
2022. OH. Jay Heiser



**Stream Bluet** (*Enallagma exsulans*)  
2022. OH. Jay Heiser



**Stream Bluet** (*Enallagma exsulans*)  
2022. OH. Jay Heiser.

Dave Tibbetts



**Banded Pennant** (*Celithemis fasciata*)  
8 June 2022. Clermont County, OH. Dave Tibbetts



**Calico Pennant** (*Celithemis elisa*)  
14 June 2022. Clermont County, OH. Dave Tibbetts.



**Eastern Ringtail** (*Erpetogomphus designates*)  
19 August 2022. Hamilton County, OH. Dave Tibbetts.



**Flag-tailed Spinyleg** (*Dromogomphus spoliatus*)  
15 July 2022. Clermont County, OH. Dave Tibbetts.



**Red Saddlebags** (*Tramea onusta*)  
9 September 2022. Clermont County, OH. Dave Tibbetts.

Jon Cefus



**Plains Clubtail** (*Gomphurus externus*)  
June 2022 Stark County, OH. Jon Cefus



**Amber-winged Spreadwing** (*Lestes eurinus*)  
20 May 2022. Clermont County, OH. Dennis Meyers.



**Blue-ringed Dancer** (*Argia sedula*)  
23 July 2022. Hamilton County, OH. Dennis Meyers.



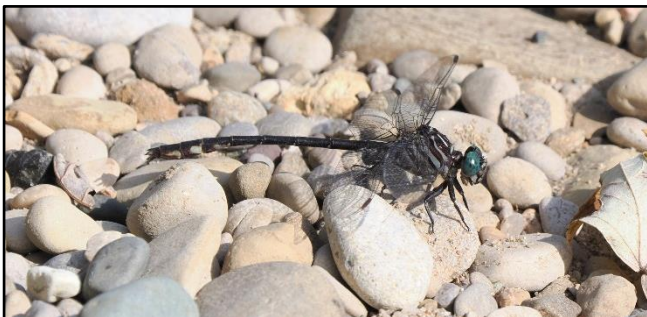
**Spangled Skimmer** (*Libellula cyanea*)  
10 July 2022. Clermont County, OH. Dennis Meyers.



**Blue Corporal** (*Ladona deplanata*)  
14 May 2022. Clermont County, OH. Dennis Meyers.



**Swamp Darner** (*Epiaeschna heros*)  
20 May 2022. Clermont County, OH. Dennis Meyers.



**Elusive Clubtail** (*Stylurus notatus*)  
21 Oct 2022. Hamilton County, OH. Dennis Meyers



**White-faced Meadowhawk** (*Sympetrum obtrusum*)  
16 Oct 2022. Clermont County, OH. Dennis Meyers.

Linda Gilbert



**Eastern Least Clubtail** (*Stylogomphus albistylus*)  
14 June 2022. Geauga County, OH. Linda Gilbert.



**Harlequin Darner** (*Gomphaeschna furcillata*)  
6 June 2022. Geauga County, OH. Linda Gilbert.



**Rainbow Bluet** (*Enallagma antennatum*)  
8 June 2022. Geauga County, OH. Linda Gilbert.

Shane Myers



**River Bluet** (*Enallagma anna*)  
4 June 2022. Hancock County, OH. Shane Myers

## Survey Corner – Hawthorne Crossing

Jim Lundberg

Think horses and wagons. One hundred years ago, Hawthorne was a reliable low-water crossing point of the lower Licking River in Kentucky. Today it is a conservation area.

I have been intending to spend more Ode time in the state of my residence, Kentucky, and Hawthorne Crossing Conservation Area is only a 20-minute drive from my house. Purchased in 2008 by the Campbell County (Kentucky) Conservation District, Hawthorne Crossing is not yet open to the public, so I applied for a research permit to conduct an Odonate survey during the 2023 flight season. With assurance of minimal environmental impact and that the few Odonate species requiring capture and release to identify down to species are not threatened, the Board of Directors approved the permit with the following guidelines:

- You use the iNaturalist app to record your findings for the Hawthorne property
- Provide to the District dates and times you are accessing the property
- Provide to the District your findings upon completion of the research
- Recognize the Campbell County Conservation District on any publications as a result of the research

The district manager gave me the required property orientation this Fall. Riffle Creek, along the southeastern boundary of the property has water flowing year-round with a few pools. One of Riffle Creek's pools is below stonework remains of the bridge that crossed Riffle Creek leading to the Licking River crossing. We were able to locate only two of the three farm ponds shown on the map. Both are small and shallow. The crossing looked good on Google maps with Water Willow and cobble extending more than halfway across the Licking. Since the satellite

image, a large tree dropped into the river, creating a deep channel along the shoreline, limiting access. Farther downriver on the property, there are a few accessible narrow cobble beaches, albeit without Water Willow. The land is a mix of forest, successional farm fields and small tracts undergoing the process of prairie restoration. The terrain is fairly steep down to the western boundary on the Licking River and the southern boundary along Riffle Creek.

Flowing three hundred miles through Kentucky, the Licking River is a conduit for northern expansion of southern species. Although the confluence of the Licking with the Ohio is between the Little Miami River and the Greater Miami River, it is slower-flowing and, perhaps, more silted in the lower section. Floating six miles of the Licking in 2022, I was surprised to observe hundreds of Smoky Rubyspots, a species with only a single iNat observation on the Miami rivers. I'm hoping that a season survey of Hawthorne Crossing will yield more surprises.

My survey expectations are the 10 most-observed Odonates in the Ohio Survey plus Common Green Darner, Wandering Glider, Powdered Dancer, Familiar Bluet, Rapid River Cruiser and Smoky Rubyspot. Other species that wouldn't be a surprise include some of the more common Bluets and Dancers, one or two early season Clubtails, Black Saddlebags, Carolina Saddlebags, Black-shouldered Spiny-legs and Unicorn Clubtail. Over-under is 21 species. Follow-up article in November.

Note: Survey Corner will be a recurring series with information on maintaining data collection accuracy and property permissions, expectations versus results. Survey reports of any size – backyard, park, county or statewide. Please share your survey endeavors and expertise with the Society.

## The 2022 Season Jim Lemon [jlem@woh.rr.com](mailto:jlem@woh.rr.com)

It seems we're never quite done on data. Observations continue to come into iNaturalist for 2022 and earlier years. So, reporting numbers is an ongoing exercise. The numbers that follow are the current report.

For 2022, we have at least 35,371 research grade (RG) observation submitted to iNaturalist. 2022 is now the most reported Odonata season for all of OOS data. New monthly highs were also reported for May, Jun, and Oct.

This set of observations represents 136 species, from 1,033 contributors. The top reported species for the year: Blue Dasher, Eastern Pondhawk, Eastern Forktail, Fragile Forktail, and Common Whitetail. 56 species tied or exceeded their previous annual maximum.

Lucas County is the current leader in observations with 3,012. Franklin County had the highest number of observers with 117. Montgomery County was the leader for the number of species reported with 79. 36 Counties established new high counts on either observations or the number of species recorded.

The Ohio flight season for adult Odonata in the wild was Mar 3 to Nov 10. The Mar 3 Common Green Darner (from smwhite in Montgomery County) set a new early flight for the OOS database. 15 different people submitted observations for Nov 10 – after which the weather was apparently no longer conducive.

2022 saw the expansion of flight period for 22 species, 13 species with new early flight dates and 9 species with new late flight dates.

New County Records are at 127. Great Blue Skimmer and Painted Skimmer both were reported in 7 new Counties. Columbiana County had the most new species with 6.

## 2022 Ohio Odonata Survey (as of 12/28/2022)

<i>88 Counties</i>	<i># Observations</i>	<i># Sp</i>	<i># Users</i>	<i># Days</i>	<i># New Co Records</i>	<i>New Yearly High</i>	<i>New Sp High</i>
Adams	108	34	22	27	0		
Allen	71	24	6	16	1		
Ashland	249	36	13	30	0	*	
Ashtabula	2374	67	19	148	0	*	
Athens	111	34	21	34	0		
Auglaize	67	23	2	6	3		
Belmont	393	27	2	7	2	*	*
Brown	74	32	6	6	0		
Butler	617	41	50	108	1		
Carroll	106	27	6	14	1		
Champaign	1283	68	41	73	1		*
Clark	856	59	25	74	3	*	*
Clermont	385	51	43	116	2		
Clinton	112	30	12	23	0		
Columbiana	159	46	11	20	6		*
Coshocton	1409	58	13	116	3	*	*
Crawford	116	34	6	32	3		
Cuyahoga	752	52	98	136	0		
Darke	217	46	7	25	1		

Defiance	56	21	6	9	0		
Delaware	272	38	44	64	1		
Erie	268	30	24	68	0	*	
Fairfield	138	31	22	26	1		
Fayette	168	32	5	15	2		
Franklin	2341	62	117	144	1		*
Fulton	214	30	6	23	0	*	
Gallia	141	25	7	14	0		
Geauga	550	69	40	91	1		
Greene	745	64	62	108	1		
Guernsey	126	23	3	5	0		
Hamilton	722	56	67	120	1	*	
Hancock	392	60	19	83	3		
Hardin	85	32	3	18	1		
Harrison	274	38	5	24	3	*	
Henry	315	34	6	17	1	*	*
Highland	76	28	13	17	0		
Hocking	121	36	24	30	0		
Holmes	205	29	8	27	1	*	*
Huron	340	29	5	31	3	*	*
Jackson	120	31	8	18	0		
Jefferson	231	34	7	26	3	*	*
Knox	156	22	17	22	0		
Lake	603	68	45	82	1		
Lawrence	231	38	4	10	2	*	*
Licking	198	34	25	43	1		
Logan	401	47	16	46	2	*	
Lorain	752	49	37	112	1		
Lucas	3012	76	74	169	1	*	
Madison	240	34	15	22	3		
Mahoning	105	42	10	48	1		
Marion	329	30	8	9	4	*	
Medina	216	44	31	63	2		
Meigs	381	31	1	4	3	*	
Mercer	93	22	3	7	2		
Miami	485	54	21	23	0	*	*
Monroe	187	28	2	5	2	*	
Montgomery	1211	79	50	123	3		*
Morgan	144	32	7	13	2		
Morrow	491	31	15	24	1	*	*
Muskingum	201	34	9	26	0		
Noble	372	27	7	9	0	*	*
Ottawa	185	31	50	56	5		
Paulding	59	21	2	4	0		



Perry	94	21	1	24	1		
Pickaway	124	34	16	24	3		
Pike	267	40	9	14	3	*	
Portage	464	76	52	81	3		*
Preble	230	36	12	20	3		
Putnam	125	23	1	7	0		
Richland	137	30	15	27	1		
Ross	114	34	13	16	0		
Sandusky	254	42	11	36	4	*	*
Scioto	117	33	9	15	3		
Seneca	287	31	7	12	3	*	
Shelby	139	34	15	13	5		
Stark	2755	76	45	129	4	*	*
Summit	1075	73	111	131	0		*
Trumbull	140	39	10	28	1		
Tuscarawas	192	29	6	15	1	*	
Union	331	28	10	23	0	*	
Van Wert	52	22	1	4	0		
Vinton	133	30	8	16	0		
Warren	232	45	32	60	2		
Washington	100	27	3	7	0		
Wayne	220	31	26	59	1	*	*
Williams	141	37	4	6	1		
Wood	157	33	27	43	2		
Wyandot	80	29	12	16	0		

<b>136 Species</b>	<b># Observations</b>	<b># Counties</b>	<b># Users</b>	<b># Days</b>	<b># New Co Records</b>	<b>New Yearly High</b>
Amber-winged Spreadwing	62	15	20	25	1	
American Rubyspot	593	38	76	114	0	*
Arrow Clubtail	20	7	9	14	0	
Arrowhead Spiketail	19	10	14	12	1	
Ashy Clubtail	102	19	28	34	0	*
Aurora Damsel	44	15	22	22	1	
Autumn Meadowhawk	1340	72	157	134	0	*
Azure Bluet	311	54	73	83	1	
Band-winged Meadowhawk	125	16	36	51	2	
Banded Pennant	114	20	24	44	2	
Beaverpond Baskettail	2	1	1	1	0	
Black Saddlebags	544	73	100	121	0	*
Black-shouldered Spinyleg	59	22	22	28	1	
Black-tipped Darner	7	3	5	4	0	

Blue Corporal	27	11	19	18	2	
Blue Dasher	2482	88	279	135	0	
Blue-faced Meadowhawk	208	22	46	61	2	
Blue-fronted Dancer	971	80	122	116	0	*
Blue-ringed Dancer	344	42	46	77	0	
Blue-tipped Dancer	689	71	89	84	1	*
Brown Spiketail	15	4	5	7	0	
Calico Pennant	385	52	71	86	0	
Carolina Saddlebags	208	41	62	69	2	
Cherry-faced Meadowhawk	1	1	1	1	0	
Citrine Forktail	165	33	35	70	3	
Clamp-tipped Emerald	9	8	8	8	0	
Cobra Clubtail	59	4	22	20	0	
Comet Darner	104	32	36	44	6	*
Common Baskettail	38	19	24	16	1	
Common Green Darner	512	70	118	156	0	
Common Sanddragon	17	4	4	5	0	
Common Whitetail	1742	88	290	142	0	*
Cyrano Darner	43	21	21	27	3	*
Delta-spotted Spiketail	8	2	3	4	0	
Dot-tailed Whiteface	211	32	37	43	3	*
Double-ringed Pennant	6	1	1	1	0	
Double-striped Bluet	677	71	74	126	0	
Dragonhunter	72	19	30	36	1	
Dusky Clubtail	28	4	7	10	0	*
Dusky Dancer	265	46	42	70	0	*
Eastern Amberwing	1587	88	171	119	0	*
Eastern Forktail	2288	88	172	169	0	
Eastern Least Clubtail	48	8	13	17	0	*
Eastern Pondhawk	2467	88	259	143	0	*
Eastern Red Damsel	193	20	45	47	1	*
Eastern Ringtail	21	4	7	10	0	
Ebony Jewelwing	1115	77	291	107	1	*
Elegant Spreadwing	66	20	23	32	1	*
Elfin Skimmer	81	1	18	21	0	*
Elusive Clubtail	13	1	4	7	0	*
Emerald Spreadwing	79	17	29	28	0	*
Familiar Bluet	881	78	105	150	0	*
Fawn Darner	42	20	25	31	0	
Flag-tailed Spinyleg	92	21	19	35	1	
Fragile Forktail	1920	88	176	170	0	*
Furtive Forktail	1	1	1	1	1	
Gilded River Cruiser	7	4	4	5	0	
Golden-winged Skimmer	6	3	4	4	2	

Gray Petaltail	60	14	29	29	2	*
Great Blue Skimmer	174	32	45	64	7	*
Great Spreadwing	115	25	48	55	1	
Green-faced Clubtail	14	1	4	4	0	*
Green-striped Darner	9	6	8	9	0	
Halloween Pennant	482	71	117	87	0	
Handsome Clubtail	17	6	7	11	1	
Harlequin Darner	24	3	8	7	0	*
Jade Clubtail	26	4	11	4	2	*
Lance-tipped Darner	4	4	4	4	0	
Lancet Clubtail	240	38	37	51	1	*
Laura's Clubtail	2	2	2	2	0	
Lilypad Clubtail	1	1	1	1	0	
Lilypad Forktail	102	8	22	29	0	
Little Blue Dragonlet	1	1	1	1	1	
Lyre-tipped Spreadwing	8	2	5	7	1	
Macromia Hybrid	8	5	6	5	2	
Midland Clubtail	84	17	22	29	2	
Mocha Emerald	9	7	5	8	1	
Northern Bluet	3	2	3	2	0	
Northern Spreadwing	1	1	1	1	1	
Ocellated Darner	12	4	6	6	1	*
Orange Bluet	585	72	70	125	1	*
Painted Skimmer	290	42	76	60	7	*
Paiute Dancer	65	4	17	18	0	
Plains Clubtail	35	1	6	16	0	
Powdered Dancer	747	56	95	101	0	*
Prince Baskettail	385	76	64	87	0	
Pronghorn Clubtail	19	5	10	12	0	
Racket-tailed Emerald	10	3	6	2	0	
Rainbow Bluet	22	6	10	11	0	
Rapids Clubtail	15	7	10	9	1	
Red Saddlebags	21	7	10	15	2	*
Riffle Snaketail	3	1	3	3	0	
River Bluet	9	1	7	4	0	*
River Jewelwing	1	1	1	1	0	
Royal River Cruiser	55	31	29	40	3	
Ruby Meadowhawk	19	8	9	13	1	
Russet-tipped Clubtail	54	3	11	22	1	*
Rusty Snaketail	24	4	9	11	0	*
Sedge Sprite	76	13	22	27	2	*
Seepage Dancer	193	5	34	39	0	*
Shadow Darner	146	33	63	67	1	*
Skimming Bluet	477	64	64	109	1	*

Slaty Skimmer	776	68	107	105	5	*
Slender Baskettail	2	2	2	2	1	
Slender Spreadwing	579	67	87	109	0	*
Smoky Rubyspot	58	4	5	18	0	
Southern Pygmy Clubtail	5	3	4	4	1	
Southern Spreadwing	8	6	7	7	1	
Spangled Skimmer	166	41	45	52	5	
Spatterdock Darner	16	7	12	12	0	
Sphagnum Sprite	74	8	21	24	0	*
Splendid Clubtail	11	2	7	7	0	
Spot-winged Glider	55	19	23	27	0	
Spotted Spreadwing	98	22	28	38	2	*
Springtime Darner	24	14	17	15	1	
Stream Bluet	611	64	78	94	0	*
Stream Cruiser	18	5	7	7	1	*
Swamp Darner	70	30	49	39	4	
Swamp Spreadwing	61	21	22	36	3	
Sweetflag Spreadwing	54	22	27	36	2	*
Swift River Cruiser	52	21	20	34	0	
Swift Setwing	52	7	10	21	2	*
Tiger Spiketail	6	5	5	5	0	
Tule Bluet	48	10	11	25	0	
Turquoise Bluet	105	17	20	27	2	
Twelve-spotted Skimmer	510	63	122	96	0	
Twin-spotted Spiketail	3	3	3	3	1	
Uhler's Sundragon	6	1	1	1	0	
Unicorn Clubtail	308	51	70	47	1	*
Vesper Bluet	109	23	22	45	4	*
Violet Dancer	1118	77	108	117	0	*
Wandering Glider	205	45	70	72	3	
Westfall's Slender Bluet	332	49	60	57	4	*
White-faced Meadowhawk	24	7	12	18	1	
Widow Skimmer	1595	88	232	126	0	
Yellow-sided Skimmer	30	1	3	4	0	*