



# MVFN Lanark County Biodiversity

## 2020 Project Summary

### About

Members 43

The MVFN Lanark County Biodiversity is a citizen science project for MVFN members and friends to add to the biodiversity record of Lanark County. Also, the project is an effective way for MVFN members to share and learn from each other. So keep observing the natural world and sharing!

[Read More >](#) [Your Membership](#)

[Edit Project](#) [Project Journal](#)

[Overview](#)

7,024  
OBSERVATIONS

1,970  
SPECIES

890  
IDENTIFIERS

33  
OBSERVERS

[Stats](#)

<https://www.inaturalist.org/projects/mvfn-lanark-county-biodiversity>



# Project summary data as of Dec 28, 2020

Taxa	MVFN Project Observations	MVFN Project Needs ID (%)	MVFN Project Species	Lanark County Species	MVFN/Lanark Species (%)
Plants	2471	31%	661	1,070	62%
Fungi	485	78%	172	487	35%
Insects	2324	39%	799	2,256	35%
Arachnids	202	60%	92	149	62%
Birds	713	1%	135	203	67%
Mammals	150	11%	27	39	69%
Amphibians	253	5%	12	15	80%
Reptiles	311	1%	12	15	80%
Fishes, Ray-finned	17		18	38	47%
Mollusks	32		24	64	38%
Protozoans	8		8	41	20%
Chromista	1		7	26	27%
Others (e.g. animals)	46		1	53	2%
Unknowns	11		2	9	22%
<b>Totals</b>	<b>7024</b>		<b>1970</b>	<b>4465</b>	<b>44%</b>

## Some notes on the data:

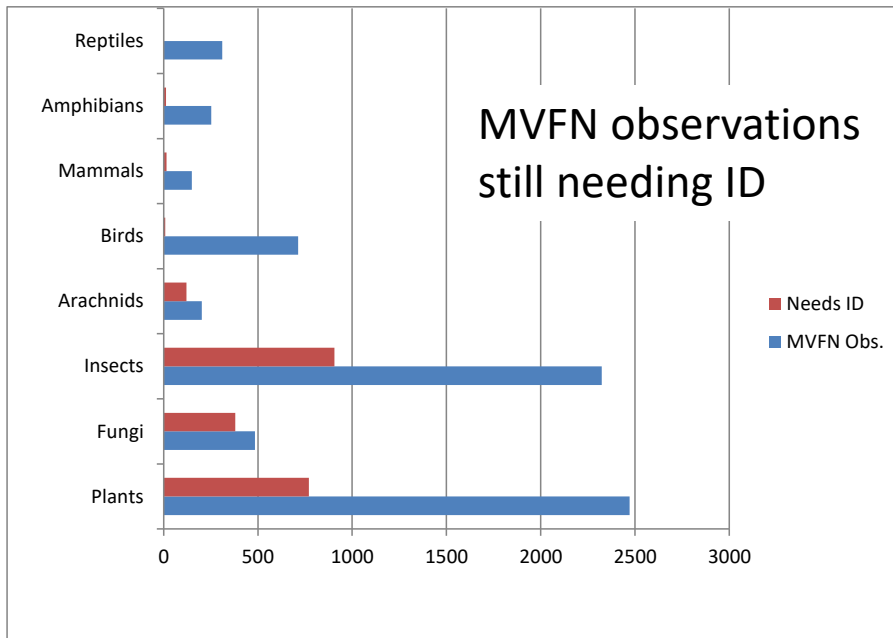
- In 2020, the MVFN project observed 44% of all Lanark County species in the iNaturalist database. A great contribution to the project's first year!
- Of the main taxa, **Fungi and Insects** are below 50% of species observed than Lanark County.
- **Fungi and Arachnid** taxa have low observation ID compared to the rest of the project.



**Purple Finch**  
photo K. Allison

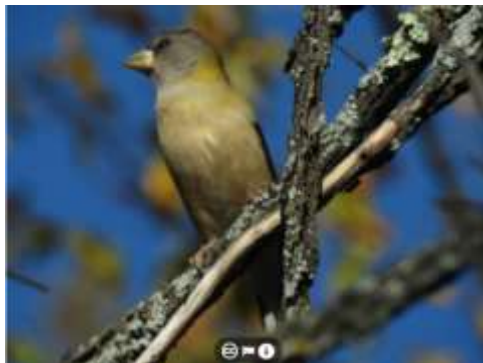


# A couple of summary graphs



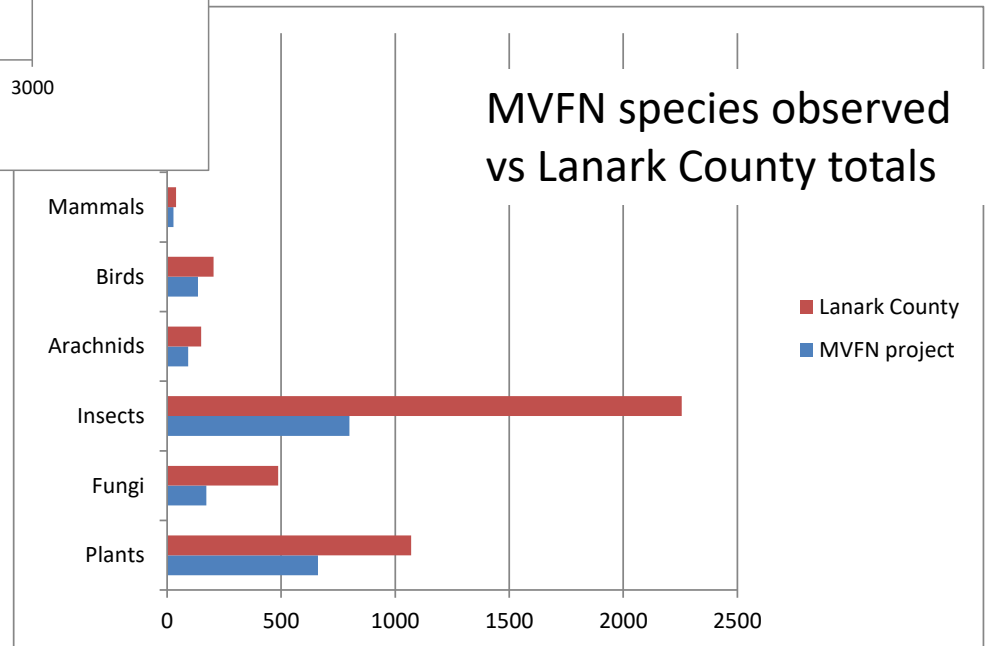
**Tricolored Bubble Bee**

photo R. Longair



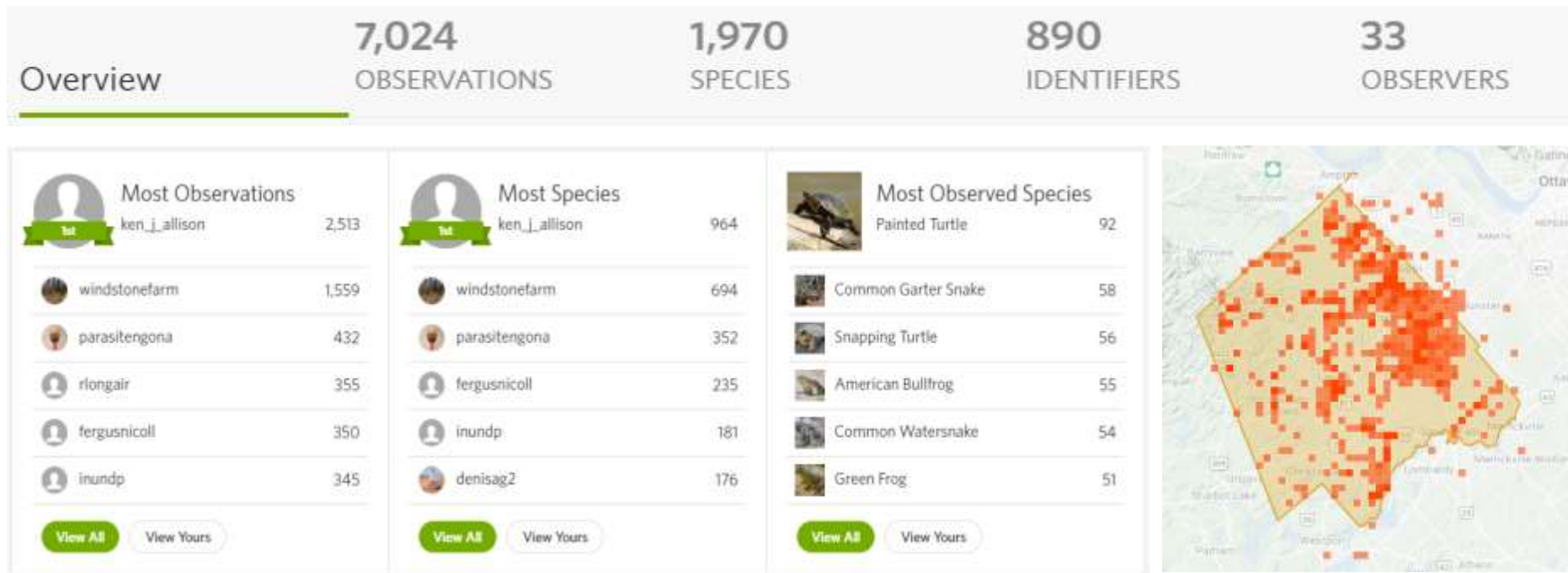
**Evening Grosbeak**

photo K. Allison





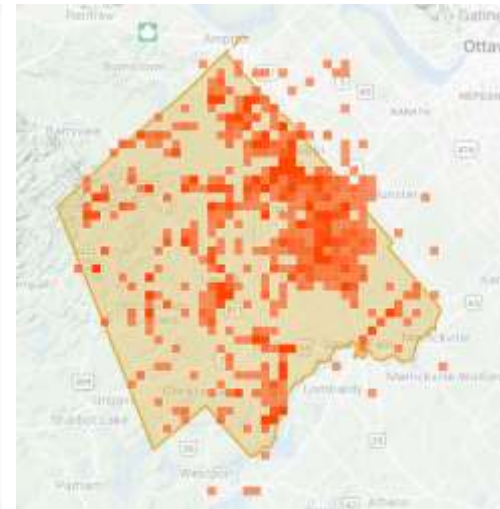
# Project observations - All taxa



For more details on all MVFN project species observed, click [HERE](#).

## Project summary notes:

- Great contribution to the iNaturalist database in just one year!
- The MVFN citizen science project had stronger observation coverage to date on the eastern parts of Lanark County.
- Future years – It would be great to get more nature observations coverage in the other parts of Lanark County (i.e. west, north, & south).










**Bearberry**  
photo D. Gallant

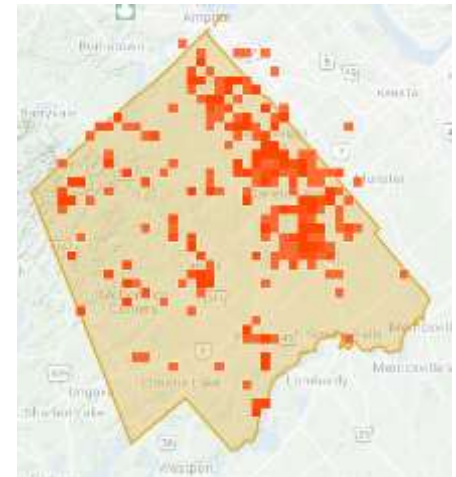




# Project observations – Plants (K. Plantae)

Overview	2,471 OBSERVATIONS	661 SPECIES	253 IDENTIFIERS	26 OBSERVERS
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 <b>Most Observations</b> ken_j_allison 1,019	 <b>Most Species</b> ken_j_allison 460	 <b>Most Observed Species</b> Large White Trillium 21
 windstonefarm 550	 windstonefarm 276	 Common Viper's Bugloss 16
 inundp 169	 parasitengona 132	 Downy Yellow Violet 15
 parasitengona 154	 inundp 104	 Common Milkweed 14
 denisag2 154	 denisag2 92	 Spotted Jewelweed 13
 ve3nce 95	 ve3nce 73	 Common Yarrow 13
<a href="#">View All</a> <a href="#">View Yours</a>	<a href="#">View All</a> <a href="#">View Yours</a>	<a href="#">View All</a> <a href="#">View Yours</a>



For more details on all the Plants species observed, click [HERE](#).

## Plants summary notes:

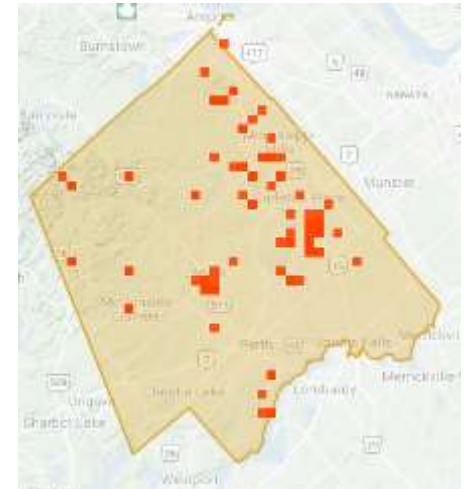
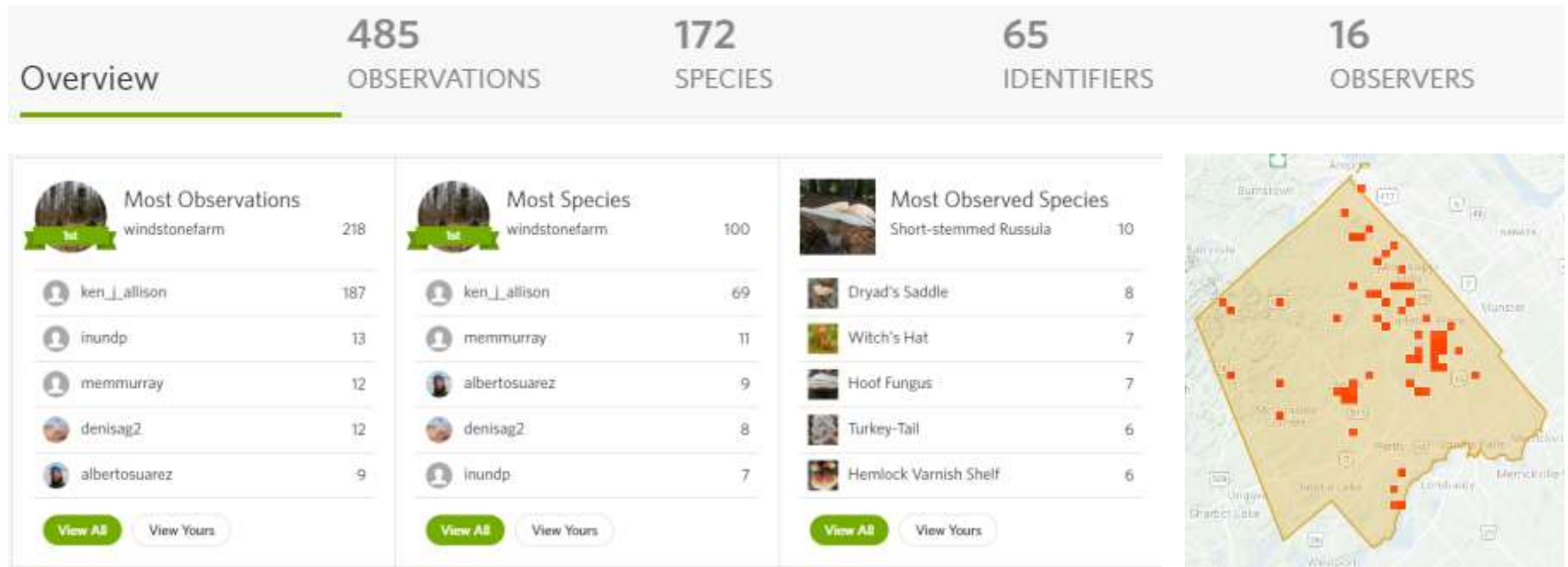
- In just one year, the MVFN project observed 62% of the Lanark County plant species posted to iNaturalist!
- The coverage was stronger on the eastern side of Lanark County.
- Future years – It would be great to have more observations in the north, west, and south parts of Lanark County.
- **Winter** – It can be a great time to record Conifer trees.



**Red Trillium**  
photo D. Gallant



# Project observations – Fungi (K. Fungi)



For more details on all the Fungi species observed, click [HERE](#).

## Fungi summary notes:

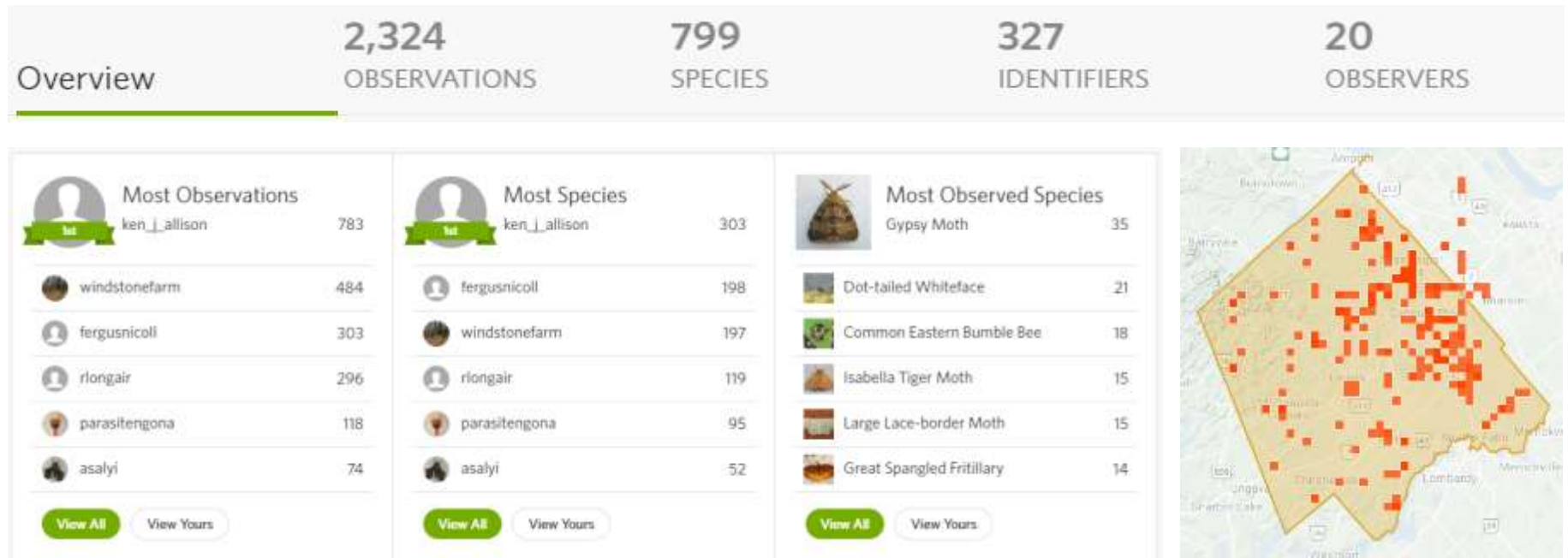
- There are 487 species of Fungi recorded in iNaturalist for Lanark County. The MVFN project has observed 172 species (35%). **So, we have a few more to go!**
- Also, of the 485 observations in the project, 78% of those still need to be IDed.
- **\* MVFN could use one or more Fungi-specialist volunteers to catch-up on IDs!**



**Witch's Hat**  
photo K. Allison



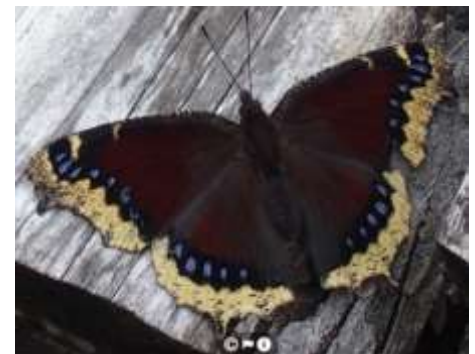
# Project observations – Insects (C. Insecta)



For more details on all the Insects species observed, click [HERE](#).

## Insects summary notes:

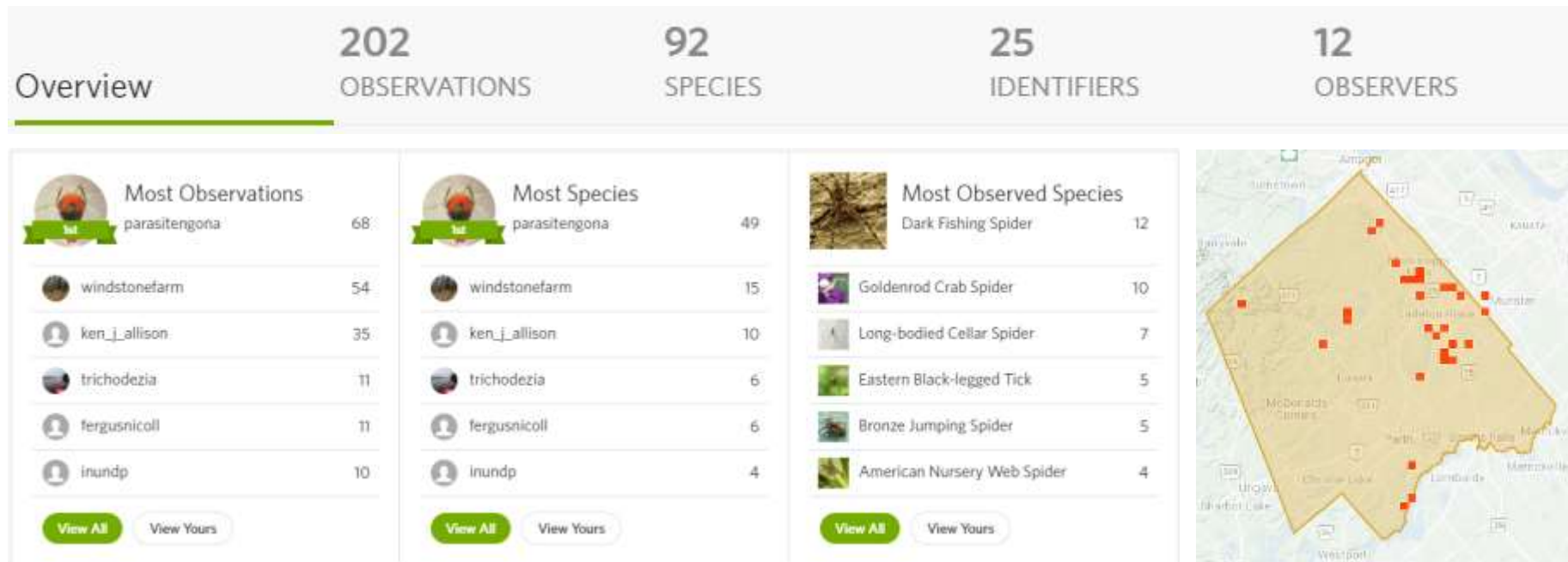
- There are 2,256 species of Insects recorded in iNaturalist for Lanark County. The MVFN project has observed 799 species (35%). **So, there are still many Insects to find and ID in Lanark County to complete the biodiversity record.**
- The MVFN project has done well in IDing insects, but 39% of observations are still outstanding (i.e. Need ID).



**Mourning Cloak**  
photo R. Longair



# Project observations – Arachnids (C. Arachnida)



For more details on all the Arachnids species observed, click [HERE](#).

## Arachnids summary notes:

- There are 149 species of Arachnids recorded in iNat for Lanark County. The MVFN project has observed 92 species (62%). So, we are doing pretty good!
- The MVFN project could use more observations in the outer parts of Lanark County.
- Of the 202 arachnid observations in the project, 60% of those still need to be IDed.
- **\* MVFN could use one or more Arachnids-specialist volunteers to catch-up on IDs!**

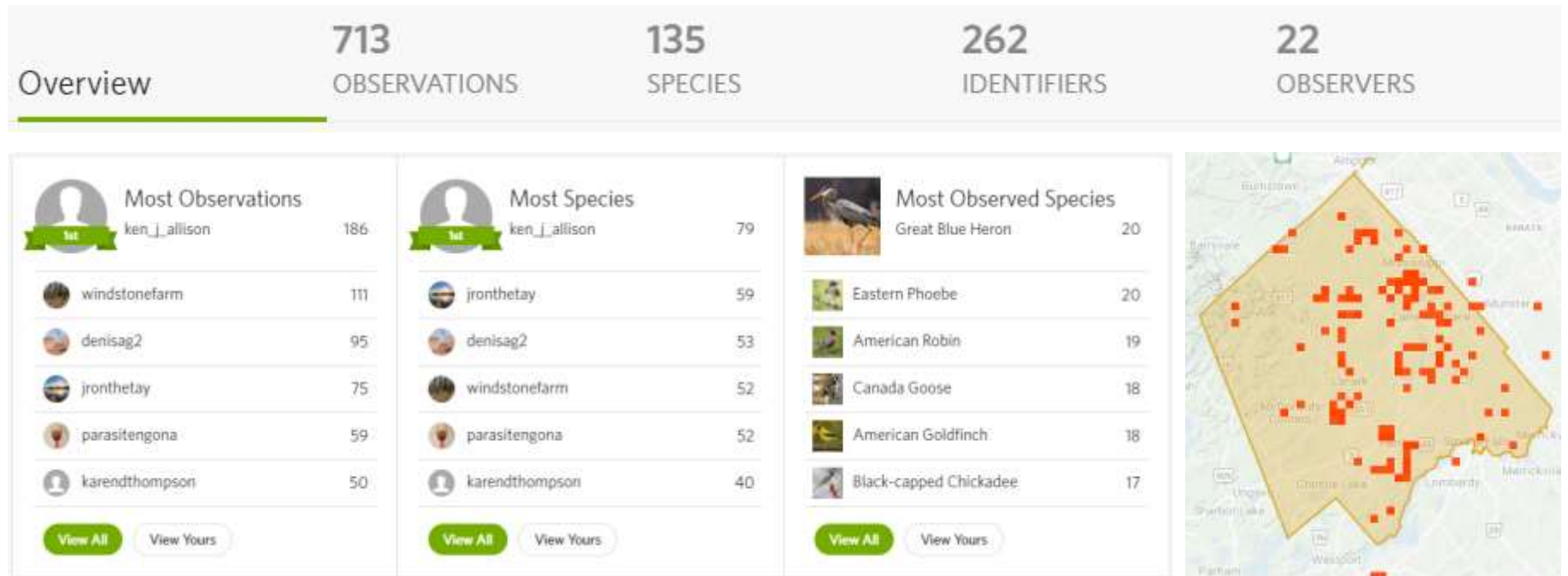


**Yellow Garden Spider**  
photo K. Allison





# Project observations – Birds (C. Aves)



For more details on all the Birds species observed, click [HERE](#).

## Birds summary notes:

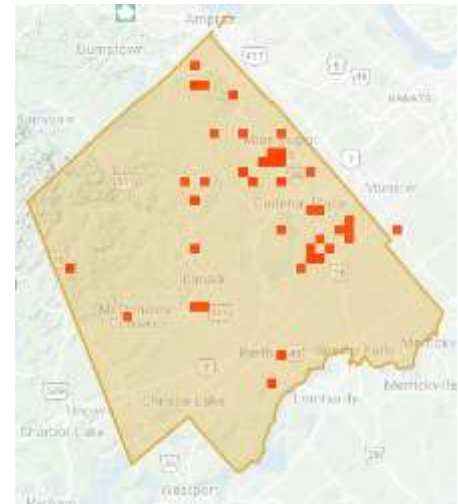
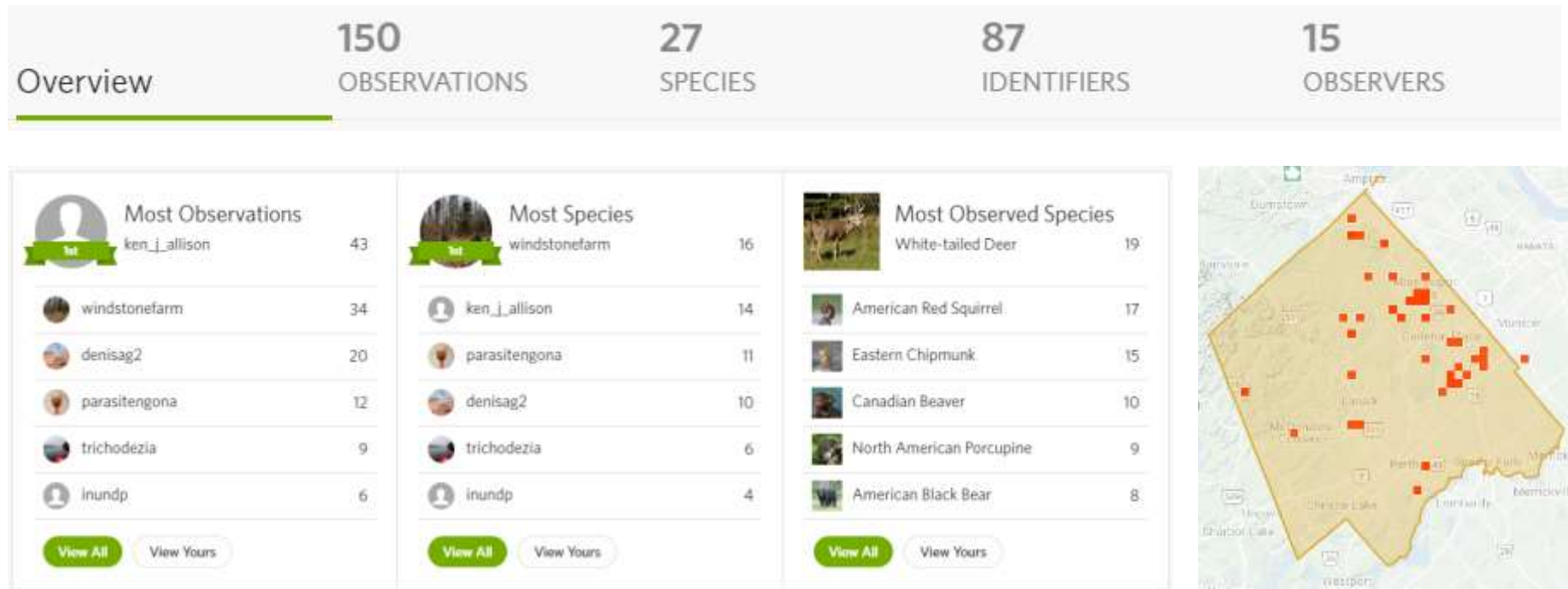
- About 65% of Lanark County bird species were observed mostly in the east and south of Lanark County
- Future years – It would be great to get more bird observations from the western and northern parts of Lanark County in the iNaturalist database.
- **Note:** eBird is the main platform used by birders (i.e. not iNaturalist)



**Green Heron**  
photo K. Allison



# Project observations – Mammals (C. Mammalia)



For more details on all the Mammals species observed, click [HERE](#).

## Mammals summary notes:

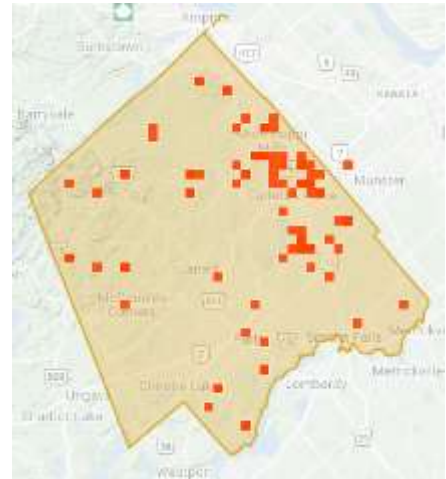
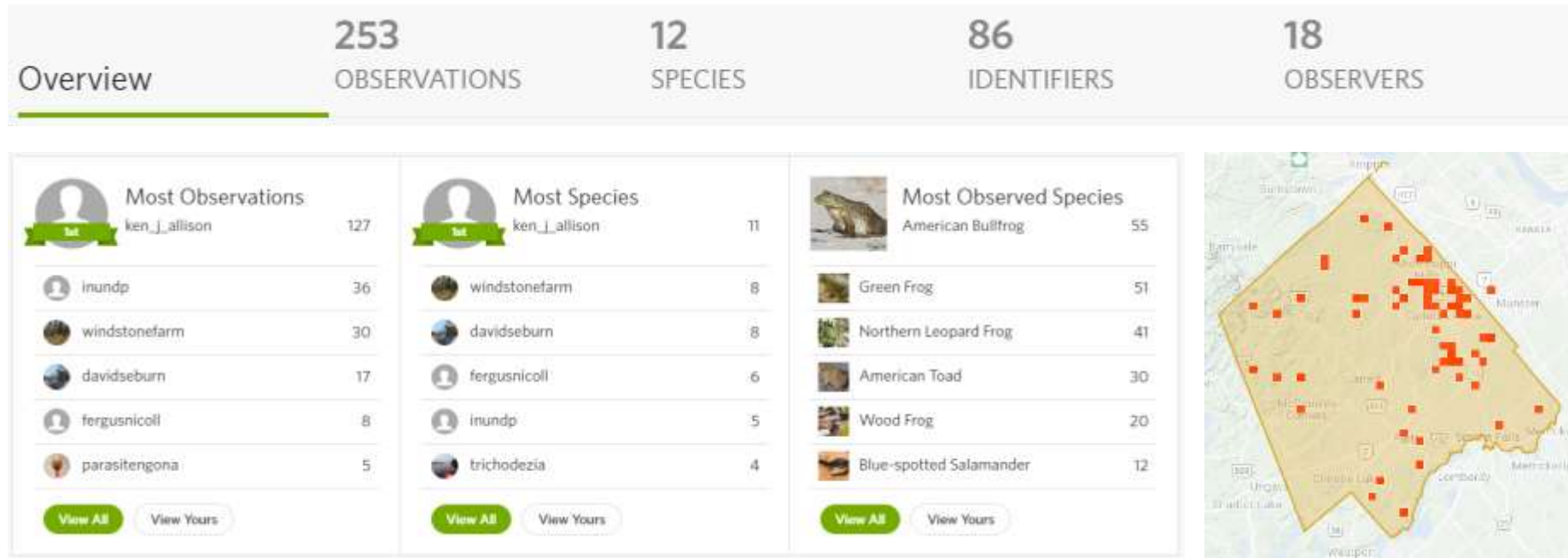
- The MVFN project recorded 70% of Lanark County mammals.  
*Note: The other 30% are rare sightings on iNaturalist*
- Future years – It would be great to have more observations in the outer parts of Lanark County (see map above).
- **Winter** – It can be a great time to record Animal Tracks.



**River Otter**  
photo K. Allison



# Project observations – Amphibians (C. Amphibia)



For more details on all the Amphibians species observed, click [HERE](#).

## Amphibians summary notes:

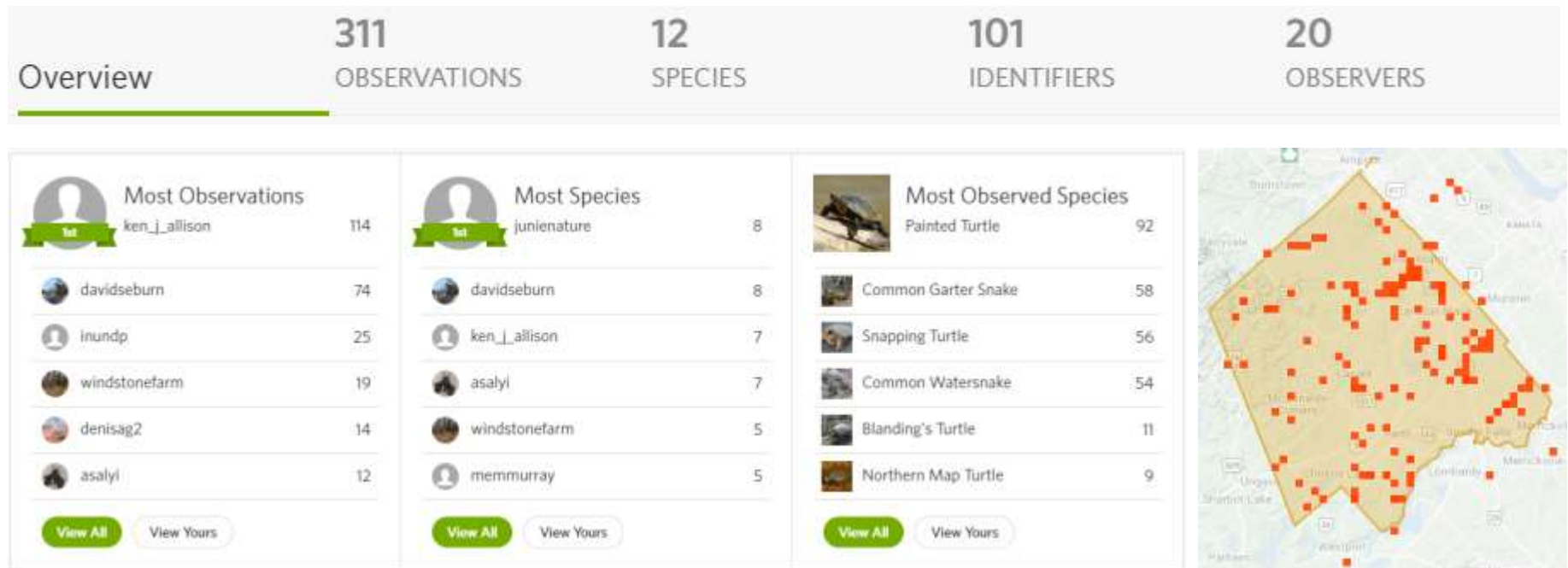
- The MVFN project has recorded most of the amphibian species found in Lanark County, but most of the observations were in the east.
- Three other amphibian species that have been observed and recorded on iNaturalist are the Boreal Chorus Frog, North Two-lined Salamander, and the Unisexual Mole Salamander.



**Mink Frog**  
photo K. Allison



# Project observations – Reptiles (C. Reptilia)



For more details on all the Reptiles species observed, click [HERE](#).

## Reptiles summary notes:

- The MVFN project has recorded most of the reptile species across Lanark County.
- Three other reptile species that have been observed and recorded on iNaturalist are the Five-lined Skink (VU), Red-necked Snake, and the Common Slider turtle (IN).
- Out of 15 reptile species found in Lanark County, **7 are considered threatened**.



**Eastern Milksnake (VU)**

photo K. Allison





# Threatened/Endangered species (48)

Taxa	Threatened species	% of observed species
Plants	11	1.7%
Fungi	2	1.2%
Insects	14	1.8%
Arachnids	0	0.0%
<b>Birds</b>	<b>14</b>	<b>10.4%</b>
Mammals	0	0.0%
Amphibians	0	0.0%
<b>Reptiles</b>	<b>6</b>	<b>50.0%</b>
Mollusks	1	5.6%
Other animals	0	0.0%
	<b>48</b>	<b>2.4%</b>

For more details on the 48 Threatened and Endangered species observed – [Click here.](#)

iconic_taxon_name	common_name
Aves	Bald Eagle
Aves	Barn Swallow
Aves	Black Tern
Aves	Black-crowned Night-Heron
Aves	Blackpoll Warbler
Aves	Caspian Tern
Aves	Common Grackle
Aves	Eastern Meadowlark
Aves	Evening Grosbeak
Aves	Golden-winged Warbler
Aves	Great Black-backed Gull
Aves	Rusty Blackbird
Aves	Western Meadowlark
Aves	Wood Thrush

e.g. Threatened **bird** species (14) in Lanark County by the MVFN project.



**Northern Map Turtle**  
photo D. Gallant



**Fraternal Potter Wasp**  
photo R. Longair



**Bald Eagle**  
photo K. Allison

# Introduced species (234)

Taxa	Introduced species	% of observed species
<b>Plants</b>	<b>177</b>	<b>26.8%</b>
Fungi	1	0.6%
Insects	38	4.8%
<b>Arachnids</b>	<b>7</b>	<b>7.6%</b>
Birds	3	2.2%
Mammals	0	0.0%
Amphibians	0	0.0%
Reptiles	0	0.0%
<b>Mollusks</b>	<b>3</b>	<b>16.7%</b>
Other animals	5	20.8%
	<b>234</b>	<b>11.9%</b>

For more details on the 234 Introduced species observed – [Click here.](#)

iconic_taxon_name	common_name
Aves	European Starling
Aves	House Finch
Aves	Mute Swan
Arachnida	Common House Spider
Arachnida	Cross Orbweaver
Arachnida	European Harvestman
Arachnida	Grey Cross Spider
Arachnida	Long-bodied Cellar Spider
Arachnida	Yellow Sac Spider
Arachnida	Zebra Jumping Spider

e.g. Introduced bird and arachnid species in Lanark County by the MVFN project.



**Glossy Buckthorn**  
photo K. Allison



**Asian Lady Beetle**  
photo R. Longair



**House Finch**  
photo D. Gallant



# Summary and Conclusions

- The MVFN project documented close to 50% of Lanark County's biodiversity in one year!
- In general, the MVFN citizen science biodiversity project would benefit from more observations in the north, west, and south parts of Lanark County.
- The MVFN biodiversity project would be more complete with more coverage in two taxa:
  - Insects and Fungi
- The MVFN project would benefit from ID specialist/s for observations in two taxa:
  - Arachnids and Fungi
- A few winter observation ideas:
  - Conifer trees, Animal tracks
  - And, your backyard-feeder birds



**E. White Pine, Gemmill Park**  
photo D. Gallant





# MVFN – Lanark County Biodiversity Project

iNaturalist 2020 Project Summary – v1.1, 02Jan2021 dg

**Project admin – Denis Gallant**

**Project curator and journal contributor – Ken Allison**

**(as Project curator, Ken has provides many species IDs for members)**



**Yellow Trout Lily**



**Barred Owl**