



Get involved in the City Nature Challenge 2018!

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WHAT IS CITY NATURE CHALLENGE?



Cities compete to observe and record biodiversity

Quest to:

- Document species
- Get people involved with citizen science
- Get people outdoors noticing nature

WHAT IS URBAN BIODIVERSITY?



HOW CNC HAPPENS



- Find wildlife



- Take a picture



- Share your observation on iNaturalist

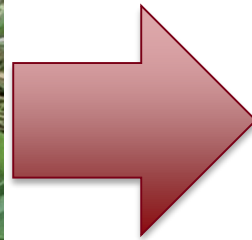
WHAT IS iNATURALIST?

The screenshot shows the iNaturalist website interface. At the top, there's a navigation bar with the iNaturalist logo and menu items like Observations, Species, Projects, Places, Guides, and People. Below this, the user's profile 'alstraus' is visible. The main section is titled 'Your observations' and includes a search bar and buttons for 'Add Observations' and 'Batch edit'. A table lists five observations with columns for Photos/Sounds, Species/Taxon Name, Date observed, Place, and Date added. To the right of the table is a map of North America with several red location pins. The Windows taskbar at the bottom shows the time as 5:36 PM on 11/29/2017.

Photos / Sounds	Species / Taxon Name	Date observed	Place	Date added	
	Great Blue Heron <i>Ardea herodias</i>	October 13, 2017 04:56 PM CDT	Douglas Trl, Rochester, MN, US (Google, OSM)	October 13, 2017 05:09 PM CDT	1 ID Research Grade Edit View »
	Earthstars Genus <i>Geastrum</i>	September 30, 2017 03:34 PM CDT	24004 Walworth Rd, Ross Lake, MN, US (Google, OSM)	September 30, 2017 03:40 PM CDT	3 IDs Needs ID Edit View »
	Big Bluestem <i>Andropogon gerardii</i>	September 30, 2017 01:10 PM CDT	55960, Oronoco township, MN, US (Google, OSM)	September 30, 2017 01:41 PM CDT	1 ID Research Grade Edit View »
	Buckthorns Family Rhamnaceae	September 30, 2017 11:09 AM CDT	Olmsted County, US-MN, US (Google, OSM)	September 30, 2017 01:40 PM CDT	1 ID Needs ID Edit View »
	Perfoliate Tinker's-weed <i>Triosteum perfoliatum</i>	September 30, 2017 10:26 AM CDT	Olmsted County, US-MN, US (Google, OSM)	September 30, 2017 01:39 PM CDT	Needs ID Edit View »

iNaturalist.org

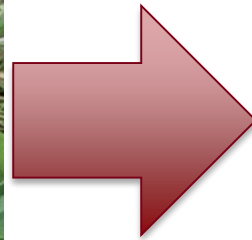
WHAT IF I DON'T KNOW WHAT IT IS?



A screenshot of the iNaturalist website showing an observation of a Great Spangled Fritillary. The page includes a photo of the butterfly, a map showing the location in Wisconsin, and a 'Community ID' section with a progress bar indicating 2 out of 3 IDs. The user 'alstraus' is credited with the observation. The page title is 'Great Spangled Fritillary (Speyeria cybele)' with a 'Research Grade' badge. The observation was made on July 7, 2015, at 3:32 PM CDT. The location is 23381-23699 Durant St NE, East B... in Wisconsin. The 'Community ID' section shows a progress bar from 0 to 3, with 2/3 completed. There are buttons for 'Agree', 'Compare', and 'About'. The 'Activity' section shows suggestions from other users. The browser's address bar shows the URL https://www.inaturalist.org/observations/1733431. The Windows taskbar at the bottom shows the time as 11:54 AM on 11/30/2017.



WHAT IF I DON'T KNOW WHAT IT IS?



Great Spangled Fritillary (*Speyeria cybele*) Research Grade

alstraus
272 observations

Observed: Jul 7, 2015 - 3:32 PM CDT
Submitted: Jul 7, 2015 - 4:36 PM CDT

Map: 23381-23699 Durant St NE, East B...
Be the first to favorite this observation!

Activity

- robberfly suggested an ID Improving 2y
- Great Spangled Fritillary (*Speyeria cybele*) Compare
- john8 suggested an ID 2y
- Great Spangled Fritillary (*Speyeria cybele*)

Community ID

Great Spangled Fritillary (*Speyeria cybele*)
Cumulative IDs: 3 of 3

0 2/3rds 3

Agree Compare About



City Nature Challenge

APRIL 14-18

2017

Secure | https://www.inaturalist.org/observations?project_id=11047&place_id=any&verifiable=any&captive=any

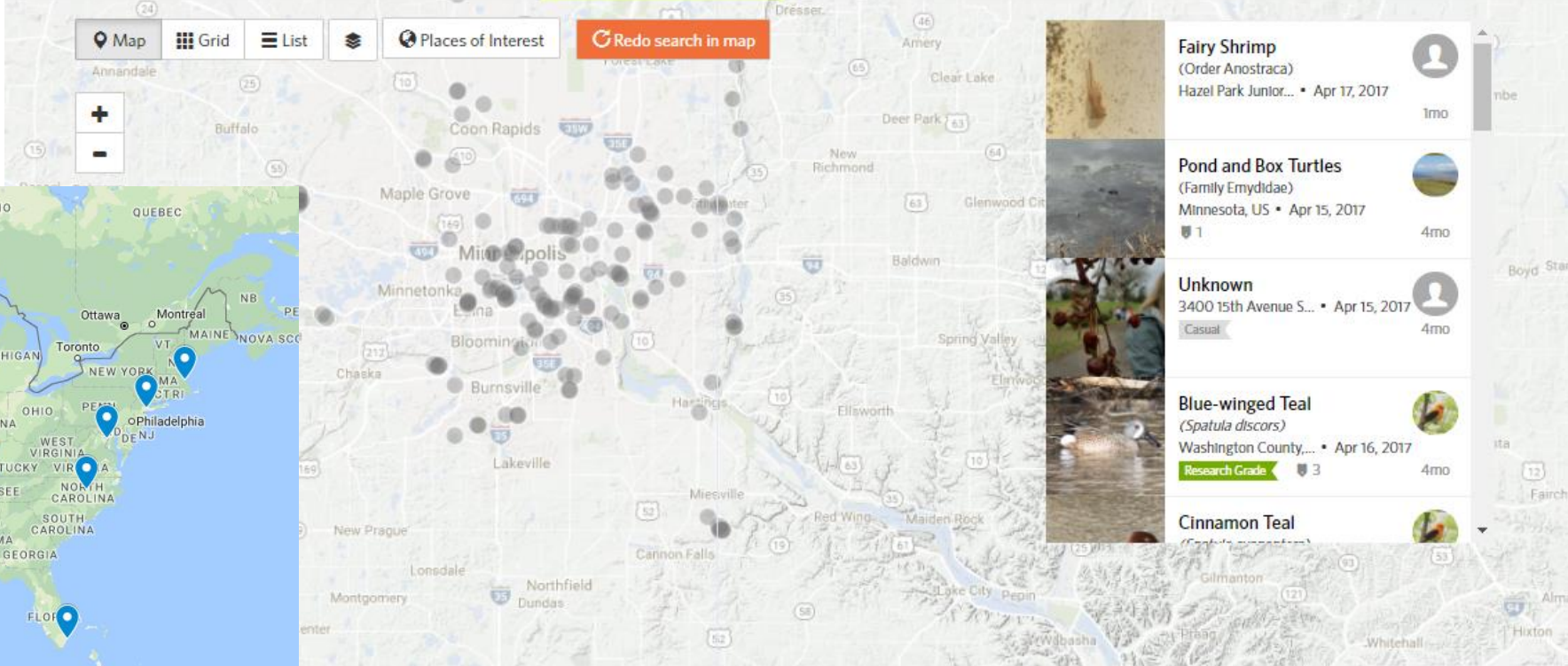
ported From Firefo... GMAIL Pandora Qualtrics-notMNat GP2017 WebEx EXT Promotion ExtPromo GSite Slack AFNR Vol Mgmt Gsite U14GC3 Thunder 20

Observations

Species Location Go Filters ³

The World **976** OBSERVATIONS 269 SPECIES 150 IDENTIFIERS 56 OBSERVERS

Map Grid List Places of Interest Redo search in map



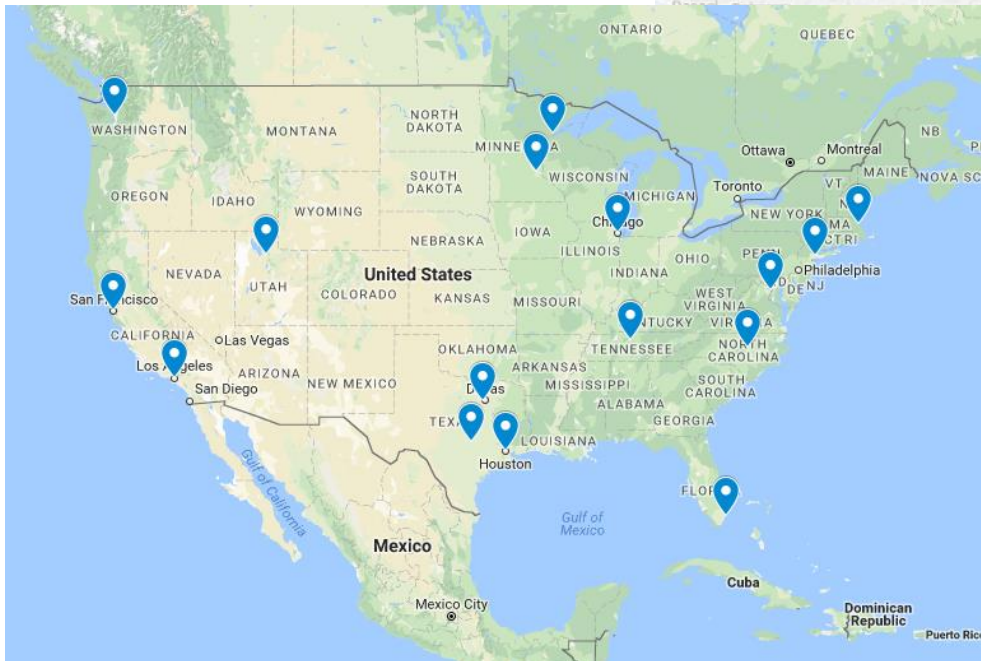
Fairy Shrimp
(Order Anostraca)
Hazel Park Junior... • Apr 17, 2017
1mo

Pond and Box Turtles
(Family Emydidae)
Minnesota, US • Apr 15, 2017
1 4mo

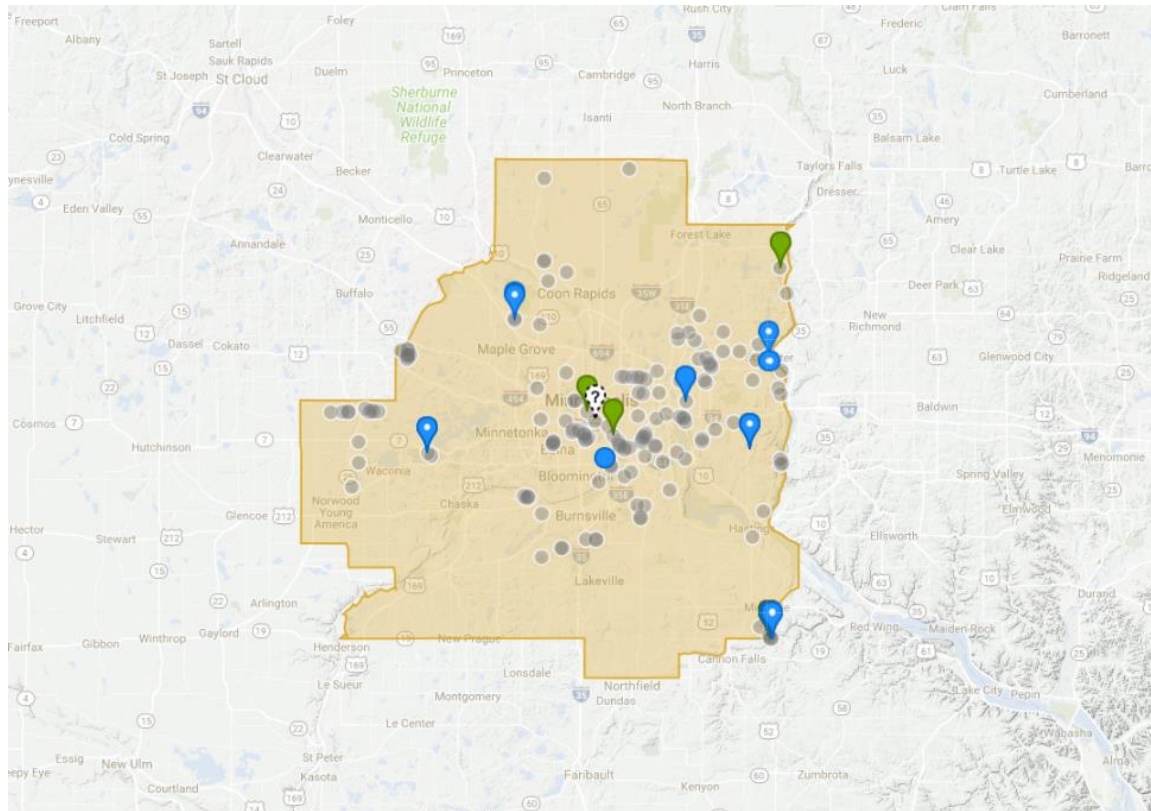
Unknown
3400 15th Avenue S... • Apr 15, 2017
Casual 4mo

Blue-winged Teal
(*Spatula discors*)
Washington County... • Apr 16, 2017
Research Grade 3 4mo

Cinnamon Teal
(*Catalpa bignonioides*)



7 COUNTY METRO AREA



3 million+ people ♦ ~3,000 square miles

- Hennepin
- Ramsey
- Dakota
- Anoka
- Washington
- Scott
- Carver

OBSERVATIONS



16 CITIES





	ALL	MSP	DLH
Observations	124,092	955	236
Species	8557	257	85
People	4051	48	46

Middle of the Pack:

- Low ratio of observations to species
- % that became research grade
- Average observations per person (~20)

COMPARED TO SAME 5 DAYS PREVIOUS YEAR

#8  Minneapolis/ St. Paul		Duluth  #1
20x	Increase in Observations	236x
6.7x	Increase in Species	85x
46x	Increase in People	6x

April 27-30, 2018

CITIES ONBOARD FOR CNC 2018

Mpls/St Paul	Nashville	El Paso	New York City	Omaha	San Francisco	Vilnius
Duluth	Calabar	Fort Collins	Luxembourg	Phoenix	Sao Paulo	Washington DC
Amarillo	Cartagena	Guimaraes	Madrid	Plymouth	Seattle	Waterloo
Austin	Charlottesville	Hermosillo	Maine	Prague	Sevilla	Altadena
Baltimore	Chennai	Houston	Maui	Pune	St Louis	Edmonton
Bangalore	Chicago	Indianapolis	Medford	Raleigh	Sydney	Boulder
Barcelona	Cleveland	Kansas City	Merimbula	Richmond	Tokyo	Buenos Aires
Bay of Cadiz	Colmenar Viejo	Kolkata	Miami	Rio de Janeiro	Trieste	London
Berlin	Colombia	Kuala Lumpur	Ahmedabad	Riverside	Tulsa	Los Angeles
Boston	Dallas/Ft Worth	La Plata	Monterrey	Rome	Vancouver	Mumbai

GET INVOLVED IN THE 2018 CHALLENGE!

- Seeking organizational partners to help
 - Drive participation
 - Raise awareness
 - Support iNaturalist use



DRIVE PARTICIPATION

- Host an iNaturalist party before or during CNC
- Hold a BioBlitz
- Schedule staff experts to be on hand all day



RAISE AWARENESS



- Of cit sci & biodiversity
- Post to your social media, events calendars, websites, bulletin boards, etc.

SUPPORT iNATURALIST USE

- Train staff & participants to use iNaturalist
- Help identify species observed



WHO ELSE IS IN FOR 2018?

- University of Minnesota
 - Extension (i.e. Master Naturalist Program)
 - Minnesota Sea Grant Program
- The Science Museum of MN
- Mississippi National River & Recreation Area
- The Bell Museum
- Minnesota Naturalist's Association
- MN Department of Natural Resources
- US Forest Service
- The Bell Museum
- Twin Cities Public Television
- REI
- YOUR organization or agency??



NEXT STEPS

April 27-30, 2018

- Mark your calendar!
- Leave your name/info with me
- Attend a web-call for all prospective partners soon



Join by letting me know to include you in the
partner meeting!
astrauss@umn.edu

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