



Texas Nature Trackers and iNaturalist Workshop

Presented by Craig Hensley, Texas Nature Trackers Biologist

**TX A&M Agrilife Bexar
County Extension Office**



Tuesday, March 31, 2020



The Agenda:

10-11:30 a.m.

- Introduction to Texas Nature Trackers & Collection Projects (20 minutes)
- Introduction to the iNaturalist app and website (70 minutes)

11:30-12:30 p.m.

- Break for lunch and backyard iNaturalist observing

12:30-2:00 p.m.

- Questions from practice session (20 minutes)
- Live Review of iNaturalist website including downloading images from camera (60 minutes)
- City Nature Challenge – getting involved (10 minutes)



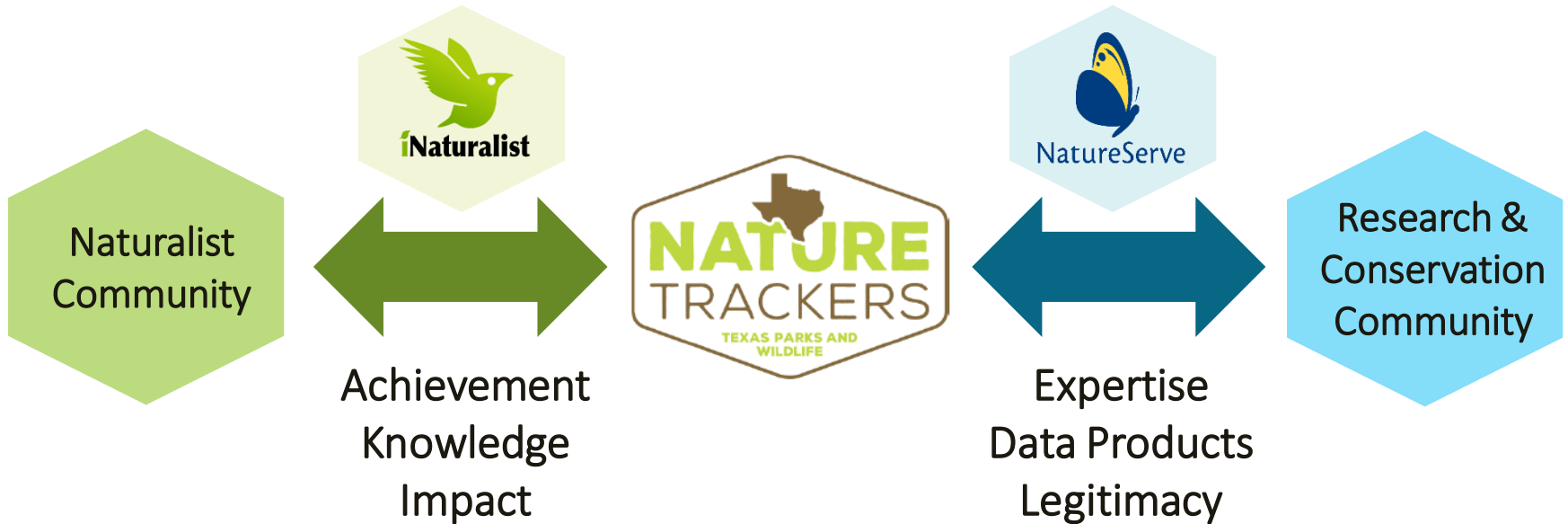
Texas Nature Trackers, part of TPWD's Wildlife Diversity Program, helps track the status of wild populations of plants and animals throughout Texas.

Texas Nature Trackers brings together community/citizen scientists of all backgrounds and interests to actively engage in collecting those data.

Your participation is a great way for you to learn more about the biodiversity of the state while contributing to TPWD's research and conservation efforts.



Texas Nature Trackers Program

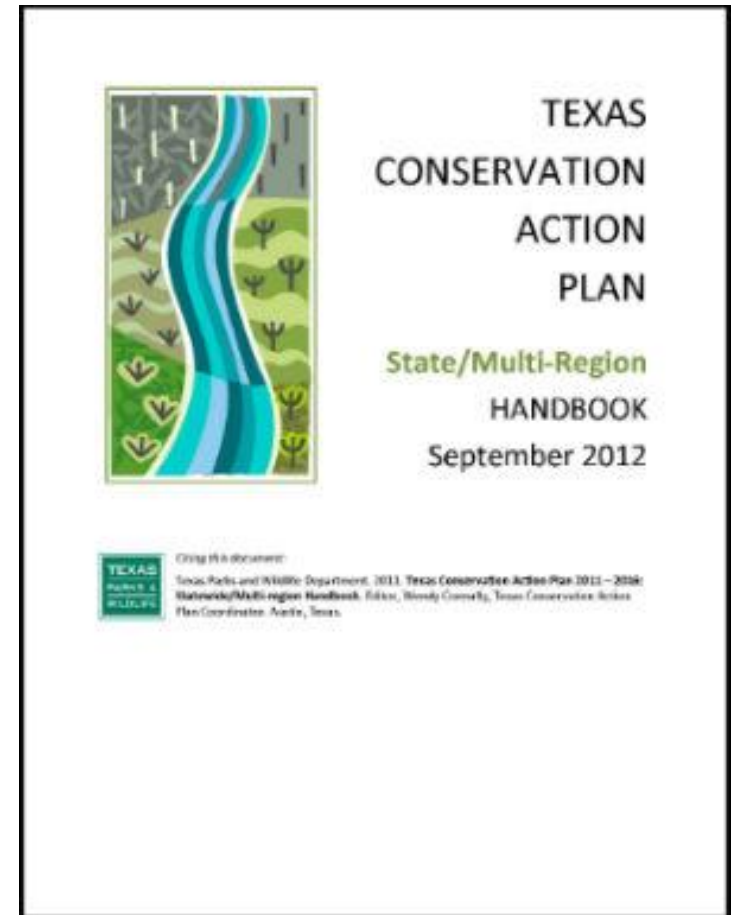




Texas Conservation Action Plan

- The Texas Conservation Action Plan provides a roadmap to recover our Species of Greatest Conservation Need (SGCN)*
- More than 12,000 SGCN nation-wide
- 1,300+ SGCN in Texas

*Every state has a plan to address their SGCN

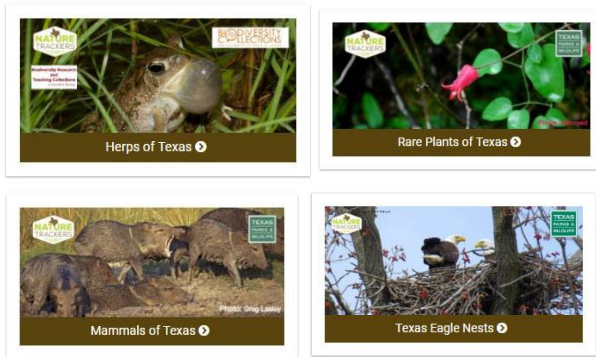




Goal: Move high quality, robust citizen science data into the Texas Natural Diversity Database



iNaturalist Projects

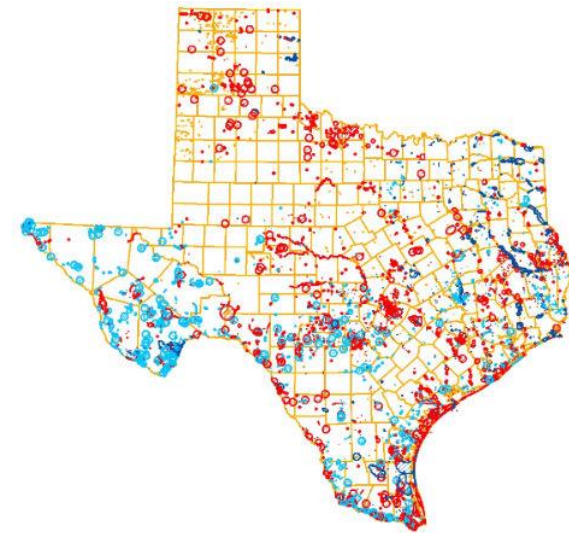


Collect data on wide variety of native plants & animals throughout Texas

Species of Greatest Conservation Need



TX Natural Diversity Database



Conservation planning & research

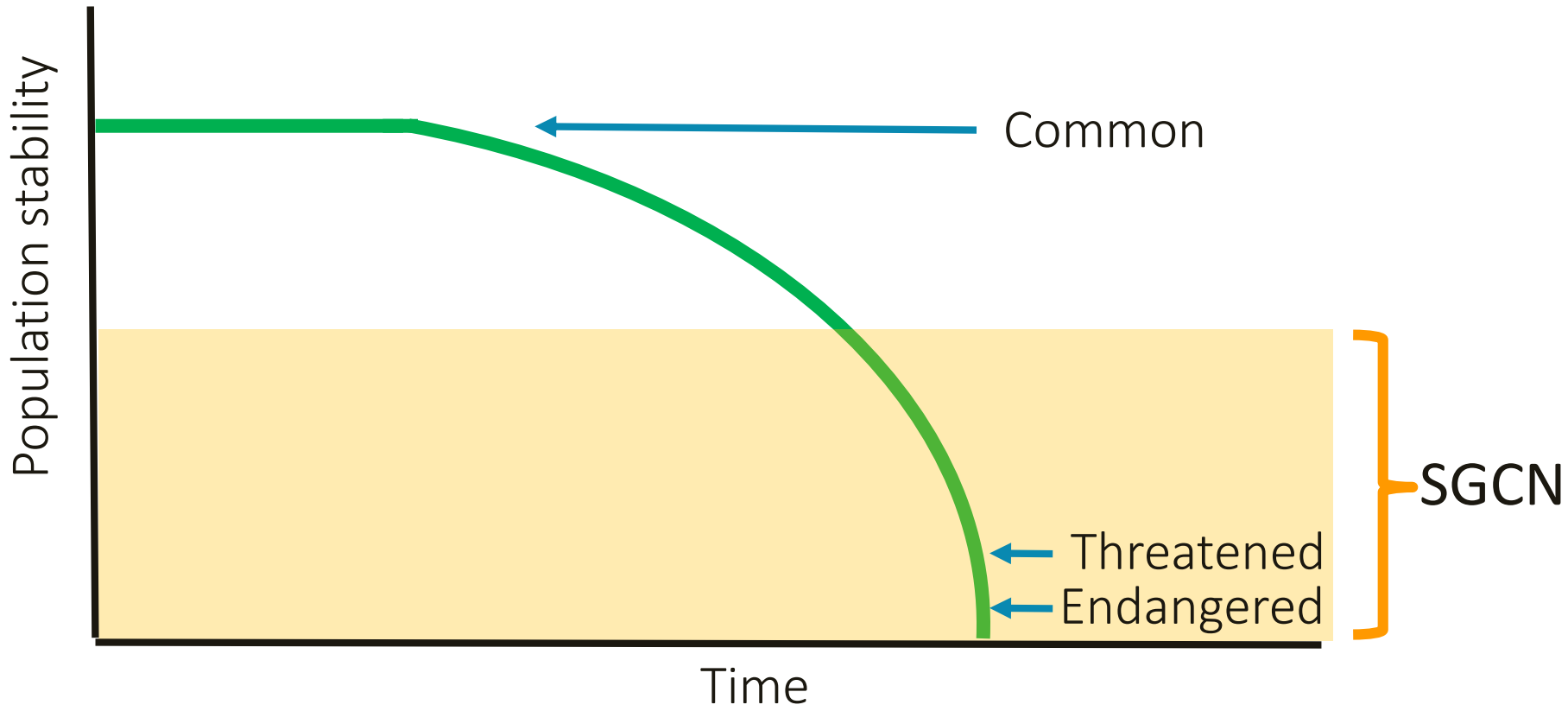


What is a SGCN?

A **Species of Greatest Conservation Need** is a native plant or animal that is “declining or rare and in need of attention to recover or to prevent the need to list under state or federal regulation.”

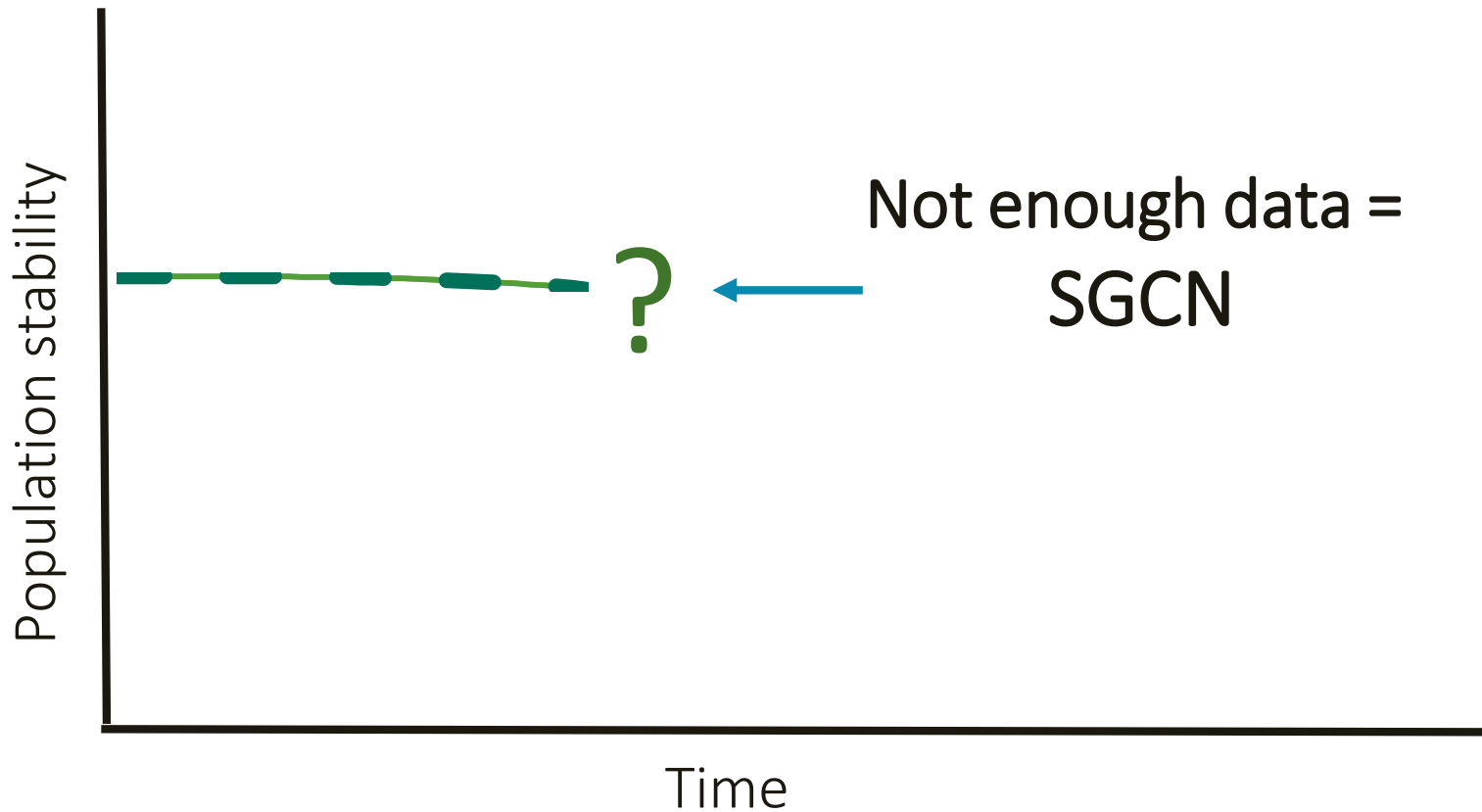


How Does a Plant or Animal Become a Species of Greatest Conservation Need (SGCN)?





Species of Greatest Conservation Need (SGCN)



Who are our SGCNs?



1,310 birds, mammals, herps, fishes, invertebrates, & plants



Camera Trap Loan Program

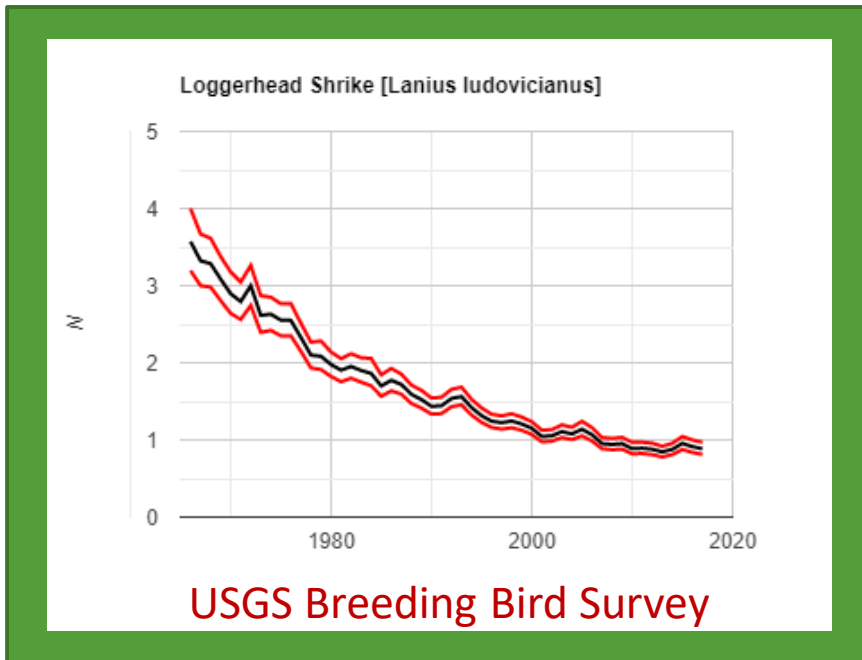
- Game camera kits available to check out for **chapter projects**
- Application form
- **Species of Greatest Conservation Need mammal targets will be given priority**
- Results must be shared with Texas Nature Trackers iNaturalist projects

*Good Water Texas Master Naturalists
deploying cameras in the field July 2019*






Urban Loggerhead Shrike Nests Project



AT&T 8:54 AM

v7 Urban Loggerhead Shrike Nests



Collect data on status and fate of urban Loggerhead Shrike nests

Owner: tania.homayoun_TPWD
Created: 2/7/20
Last modified: 2/7/20

The objective of this project is to obtain productivity and mortality data that can be used to help identify sources of Loggerhead Shrike declines. Tracking nests makes it possible to identify whether this life stage is a source of population decline due to site-specific variables. This information can then be used to target management efforts designed to mitigate Loggerhead Shrike declines. This template includes all XLSForm features supported in Survey123 for ArcGIS.

Collect >

Sent >



Overview of TNT Website





Search



Texas Nature Trackers

Discovering Populations, Documenting Change

Texas Nature Trackers (TNT), part of the Wildlife Diversity Program, tracks the status of wild populations of plants and animals throughout Texas.

Participating in TNT projects is a great way to learn more about the biodiversity of the state and contribute to Texas Parks and Wildlife's research and conservation efforts

Projects

Target Species

Get Involved

EMAIL UPDATES

tpwd.texas.gov/trackers




Projects

TNT Projects are how we compile and curate data in the Texas Nature Trackers Program. Our projects are critical to understanding the distribution and seasonality of plants and animals in Texas, and how both are changing over time. While our highest priority is to document Target Species, we are compiling data on common species as well. Today's common species may become the high priority species of tomorrow, and your observations today will provide the baseline for future generations of naturalists. To learn more about our projects, click or tap on a project box below.



Texas Milkweeds for Monarchs

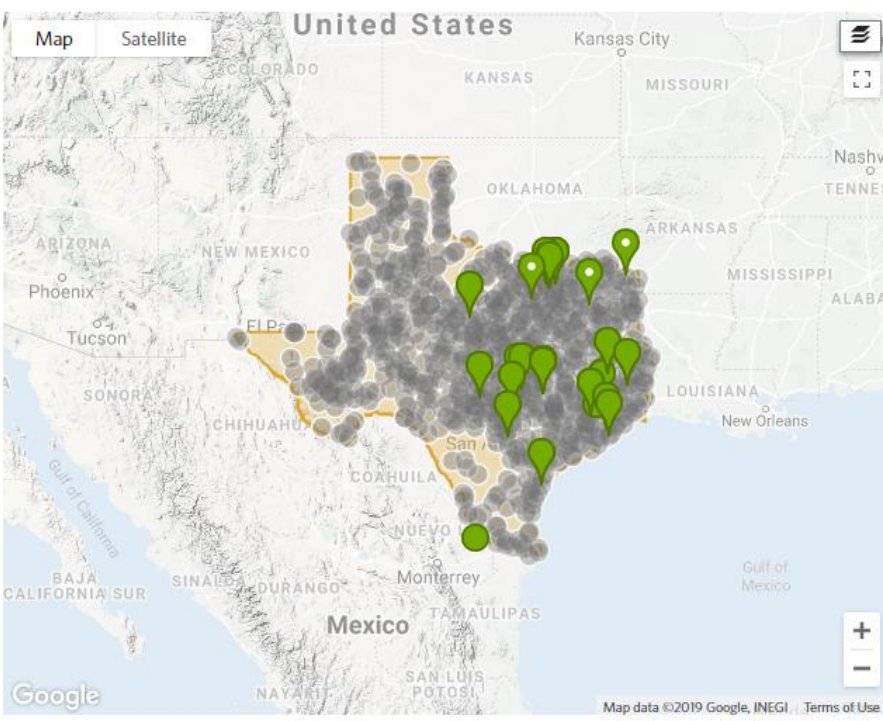


Milkweeds in the genus *Asclepias* are important for Monarch conservation, help us document when and where different species of milkweeds can be found in Texas. Through this project, we hope to:

1. Document the importance of planted and wild milkweeds (*Asclepias* spp.) to monarchs in Texas.
2. Document the distribution of native, wild milkweed in Texas.
3. Quantify the changing importance of different milkweed species to monarch caterpillars throughout the year.

[Join the Project](#)

[Learn about the Monarch Butterfly](#) [Texas Milkweeds Identification Guide PDF](#)



Five more first of year species observations

Some species just emerge later than others. Five more have been reported since the last update.

» **Members** 577 members

View All Members »

» **Your Membership** 12 observations

» **Add from Your Observations**
Download template for use in the bulk uploader

» **Export Observations**
Atom / CSV

» **Usage stats**

Project Curator Tools

» Find Suitable Observations

» Find Unsuitable Observations

» Export with Hidden Coordinates

» Filter by Curator Identification

» Identify Observations

» New Journal Post

About



Identification of Milkweeds in Texas



Texas milkweed (*Asclepias texana*), courtesy Bill Carr

Compiled by
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jason.singhurst@tpwd.texas.gov
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Texas Parks and Wildlife Department
Austin, Texas
and
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Department of Biology
Baylor University
Waco, Texas



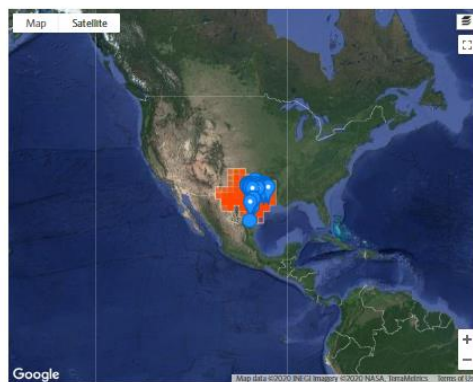
Projects

Terms & Rules | Leave this project



Stats

Totals	Most Observations	Most Species	Most Observed Species
94506 Observations »	mako252 6432 observations	toby 199 species	Common Slider 5351 observations
259 Species »	sandica 4687 observations	disalemyphibits 188 species	Gulf Coast Toad 3926 observations
1621 People »	travis-pecos-herpetology 2738 observations	connor22 187 species	Western Diamondback Rattlesnake 3689 observations
	catermalis 2778 observations	ashleytabbs 169 species	Green Anole 3418 observations
	toby 2207 observations	sandica 165 species	Blanchard's Cricket Frog 2522 observations



Members 2013 members

[View All Members »](#)

Your Membership 39 observations

Add from Your Observations
[Download template for use in the bulk uploader](#)

Export Observations
[Atom / CSV](#)

Usage stats

Project Curator Tools

- [Find Suitable Observations](#)
- [Find Unsuitable Observations](#)
- [Export with Hidden Coordinates](#)
- [Filter by Curator Identification](#)
- [Identify Observations](#)
- [New Journal Post](#)

Curation Call for January Data Pull

Hello Herps of Texas curators! Texas Nature Trackers Biologists Craig and Tania are calling on all our fellow curators and managers for the Herps of Texas project to help curate sightings between now and Friday, January 17, 2020, in advance of a data pull. We are working with the Texas Natural Diversity Database (TXNDD) team to update records for SGCNs documented within this project.

About

The purpose of this project is to enhance our understanding of the distribution of reptiles and amphibians in Texas. Our highest priority is to collect information on Species of Concern



2012-Feb 2017:
~41,000 total obs.
~2,200 into TXNDD

Feb 2017-May 2018:
~65,000 total obs.
~1,600 into TXNDD

~3,800 records of tracked herp species added

2019-20: ~1,500 new SGCN records have been curated



Stats

Totals

49
Observations »

1
Species »

11
People »

Most Observations

- rfrese**
28 observations
- claa**
7 observations
- kethcbiologist**
3 observations
- jasonkorb**
2 observations
- cliftonladd**
2 observations

Most Species

- lauramorgancark**
1 species
- jasonkorb**
1 species
- johnbarr**
1 species
- kethcbiologist**
1 species
- cliftonladd**
1 species

Most Observed Species

- Bald Eagle**
49 observations



Members 29 members

[View All Members »](#)

Your Membership 0 observations

Add from Your Observations
[Download template for use in the bulk uploader](#)

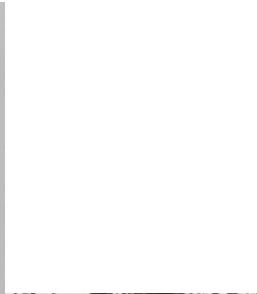
Export Observations
[Atom / CSV](#)

Usage stats

About

The goal of this project is to collect information on the location and status of Bald Eagle and Golden Eagle nesting across the state of Texas. As eagle populations recover, we are interested in learning more about where they are nesting and, ideally, how successful they are in fledging young. If you are able to track a nest through the breeding season, with weekly visits, this information can ...more ↓

Recent observations [view All »](#)





Search



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Projects

Target Species

Get Involved

EMAIL UPDATES

tpwd.texas.gov/trackers

Target Species

Browse by Taxonomic Group

Mammals

Birds

Herps

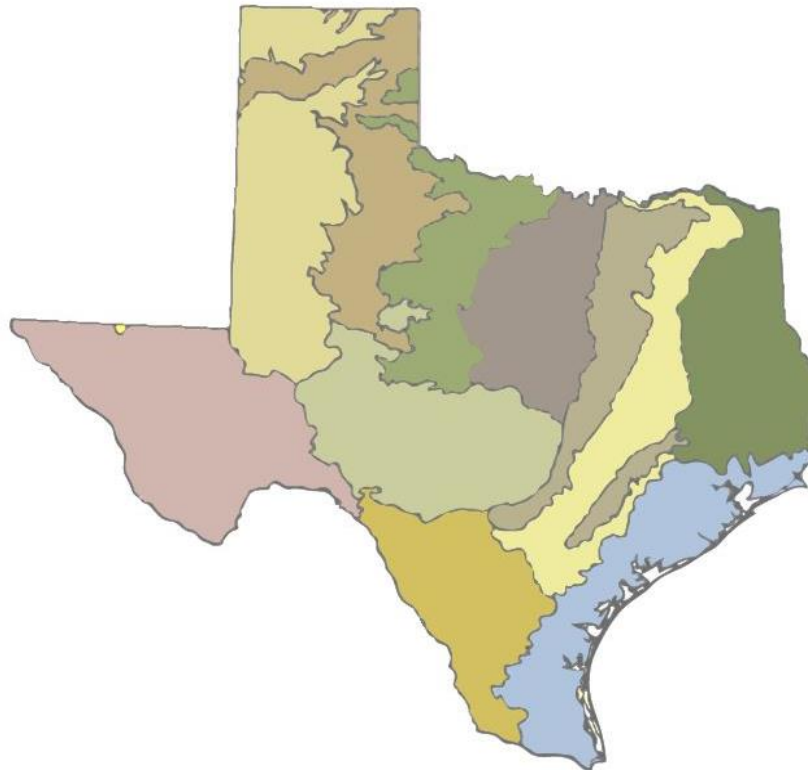
Fish

Plants

Invertebrates

Browse by Ecoregion

- Arizona/New Mexico Mountains
- Central Great Plains
- Chihuahuan Deserts
- Cross Timbers
- East Central Texas Plains (Post Oak Savannah)
- Edwards Plateau
- High Plains
- Western Gulf Coastal Plain (Pineywoods)
- Southern Texas Plains
- Southwestern Tablelands (Rolling Plains)
- Texas Blackland Prairies
- Gulf Coast Prairies & Marshes



TNT Target Species: Birds

Northern Bobwhite

Colinus virginianus
Go to project page

Montezuma Quail

Cyrtonyx montezumae
Go to project page

Wood Stork (active nests)

Mycteria americana
Go to project page

Swallow-tailed Kite

Elanoides forficatus
Go to project page

Bald Eagle (active nests)

Haliaeetus leucocephalus
Go to project page

Zone-tailed Hawk

Buteo albonotatus
Go to project page

Peregrine Falcon

Falco peregrinus
Go to project page

Snowy Plover

Charadrius alexandrinus
Go to project page

Red Knot

Calidris canutus
Go to project page

Least Tern

Sterna antillarum
Go to project page

Red-crowned Parrot

Amazona viridigenalis
Go to project page

Yellow-billed Cuckoo

Coccyzus americanus occidentalis
Go to project page

Ferruginous Pygmy-Owl

Glaucidium brasilianum
Go to project page

Burrowing Owl

Athene cunicularia
Go to project page

Red-cockaded Woodpecker

Picoides borealis
Go to project page

Black-capped Vireo

Vireo atricapilla
Go to project page

Sprague's Pipit

Anthus spragueii
Go to project page

Golden-cheeked Warbler

Setophaga chrysoparia (formerly *Dendroica chrysoparia*)
Go to project page

Bachman's Sparrow

Aimophila aestivalis
Go to project page

Whooping Crane

Grus americana
Go to project page

Target Species: Yellow-billed Cuckoo



©Carlos Sanchez iNaturalist.org

Coccyzus americanus (Yellow-billed Cuckoo) Needs ID

Edit



craighensley
437 observations

Share icons

Observed: May 31, 2016 - 9:23 AM CDT
Submitted: Nov 15, 2019 - 10:37 AM CST



Be the first to save this observation!

Description

Nest discovered with the Yellow-billed Cuckoo flushed from it.

Activity

craighensley suggested an ID Leading 4m

Coccyzus americanus
Yellow-billed Cuckoo Compare

Comment Suggest an Identification

Leave a comment

Done Mark As Reviewed

Community Taxon

Compare • What's this?

The Community ID requires at least two identifications.

Annotations (1)

Attribute	Value	Agree	Disagree
Life Stage	Egg	<input type="checkbox"/>	<input type="checkbox"/>
Sex	Select		

Projects (1)

Add to a Project

Birds of Texas

Tags (1)

Observation Fields

Top Identifiers of *Coccyzus americanus*

greglasley 190 aguilita 172

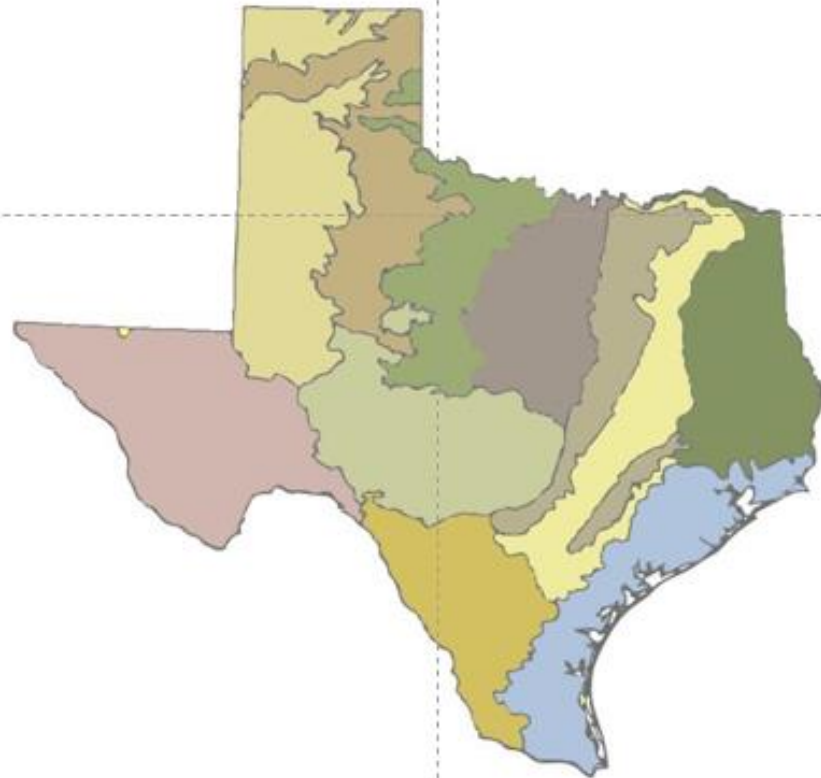
Nature Trackers Targets

Browse by Taxonomic Group

- Mammals
- Birds
- Herps
- Fish
- Plants
- Invertebrates

Browse by Ecoregion

- Arizona/New Mexico Mountains
- Central Great Plains
- Chihuahuan Deserts
- Cross Timbers
- East Central Texas Plains (Post Oak Savannah)
- Edwards Plateau**
- High Plains
- Western Gulf Coastal Plain (Pineywoods)
- Southern Texas Plains
- Southwestern Tablelands (Rolling Plains)
- Texas Blackland Prairies
- Gulf Coast Prairies & Marshes



Target Species Edwards Plateau Ecoregion

Mammals ▾

Birds ▾

Northern Bobwhite

Colinus virginianus

[Go to project page>](#)

Montezuma Quail

Cyrtonyx montezumae

[Go to project page>](#)

Bald Eagle (active nests)

Haliaeetus leucocephalus

[Go to project page>](#)

Zone-tailed Hawk

Buteo albonotatus

[Go to project page>](#)

Black-capped Vireo

Vireo atricapilla

[Go to project page>](#)

Sprague's Pipit

Anthus spragueii

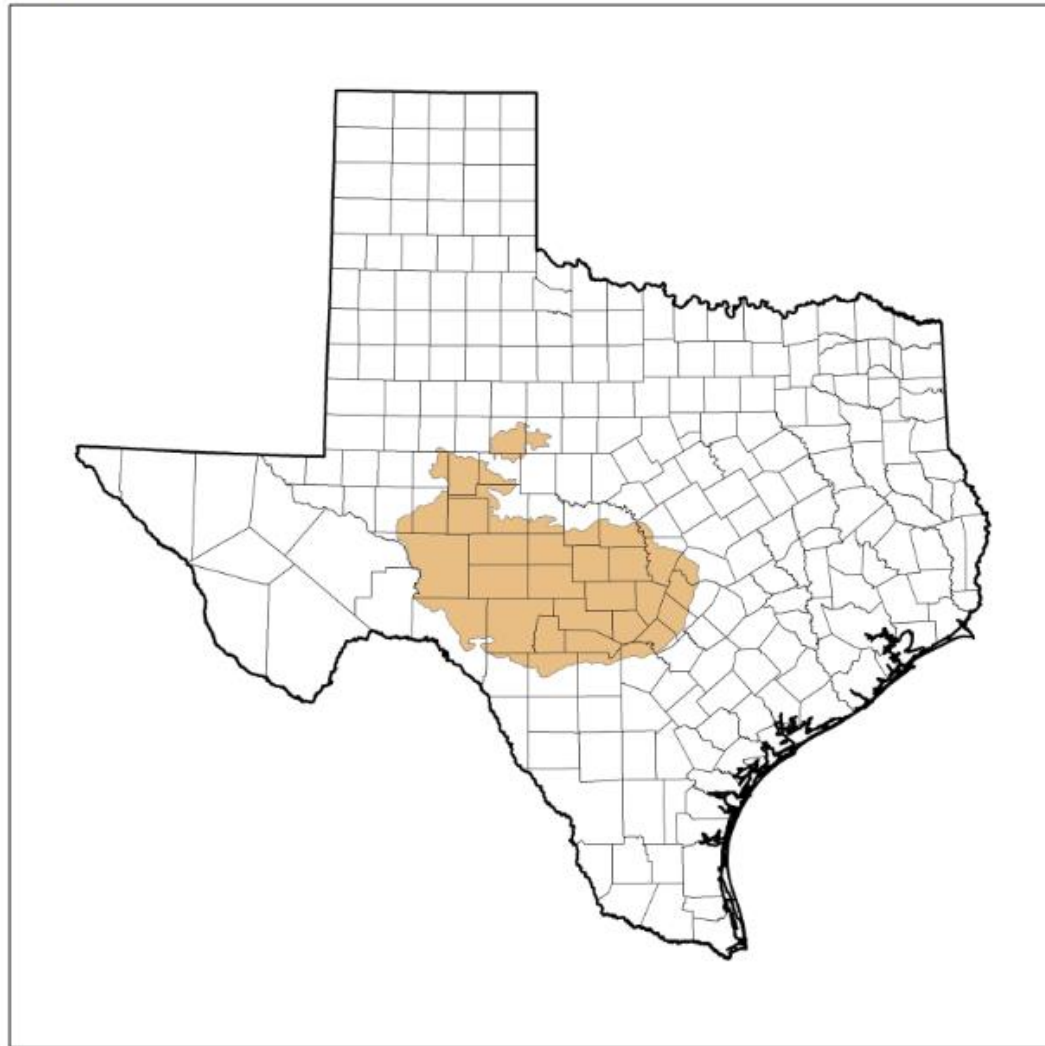
[Go to project page>](#)

Golden-cheeked Warbler

Setophaga chrysoparia

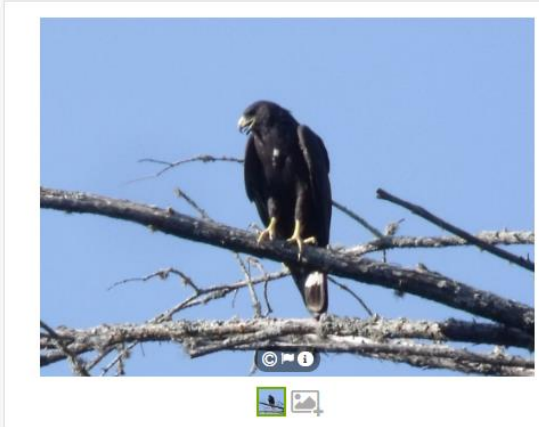
(formerly *Dendroica chrysoparia*)

[Go to project page>](#)



Buteo albonotatus (Zone-tailed Hawk) Research Grade

Edit ▾



craighensley
🌿 436 observations ↩️ ➡️

Observed: Aug 4, 2014 - 1:10 AM CDT Submitted: Jul 16, 2019 - 1:03 PM CDT



☆ Be the first to fave this observation!

Description

Nesting Pair has been in Honey Creek SNA since 2014, including nesting again in 2019

Activity

- craighensley** suggested an ID 🌿 Improving 👍 4mo ▾

Buteo albonotatus
Zone-tailed Hawk

🔗 Compare
 - codycs** suggested an ID 4mo ▾

Buteo albonotatus
Zone-tailed Hawk
 - pattypasztor** suggested an ID 3mo ▾

Buteo albonotatus
Zone-tailed Hawk
- Comment
Suggest an Identification

Leave a comment

Community Taxon

What's this?

Buteo albonotatus (Zone-tailed Hawk)

Cumulative IDs: 3 of 3

0 2/3rds 3

✔ Agree

🔗 Compare

📄 About

Annotations

Attribute	Value	Agree	Disagree
Life Stage	Select ▾		
Sex	Select ▾		

Projects

Add to a Project

Tags

Observation Fields

Top Identifiers of *Buteo albonotatus*

The Strength of Texas Nature Trackers and iNaturalist: Tracking Spotted Skunks





Importance of Citizen Science Data

- Research on spotted skunk distribution in Texas
- Researchers used rapid assessment methods (camera traps, track plates, and live traps) in 10 counties
 - 8,000 device nights
 - 12 detections in 4 counties (0.15% detection rate, or 1 skunk per 672 device nights)

Eastern Spotted Skunk
Spilogale putorius

Request went out for crowdsourced data and sightings in Jan 2016, including an iNaturalist project

85 records submitted

24 confirmed Eastern spotted skunks in **21 counties (including 6 county records)**

80 additional data points





Search



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tpwd.texas.gov/trackers



“iNaturalist is an online social network of people sharing biodiversity information to help each other learn about nature.”

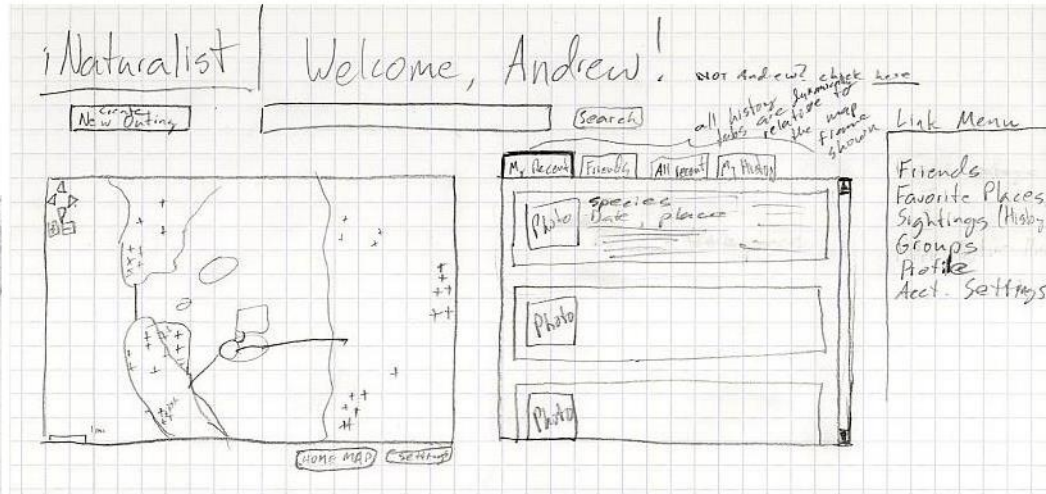
Two Primary Goals of iNaturalist:

- 1. Connect people to nature.**
- 2. To generate scientifically valuable biodiversity data from users personal encounters with nature.**

History of iNaturalist

Welcome Page

Sketches



Interaction Flow

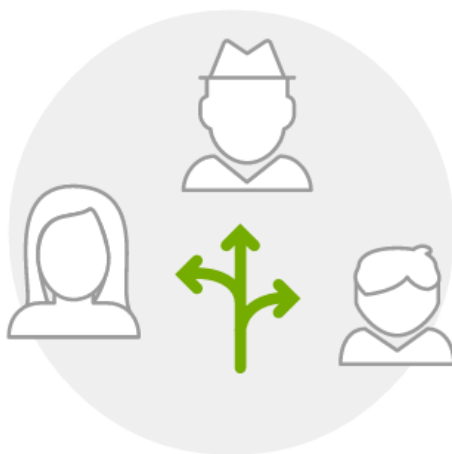


How It Works



1

Record your observations



2

Share with fellow naturalists



3

Discuss your findings

How iNaturalist Works

Who you are

You'll need to make an **iNaturalist account** and please only post your own personal observations

Where you saw it

Record both the coordinates of the encounter as well as their accuracy. You can obscure the location from the public

What you saw

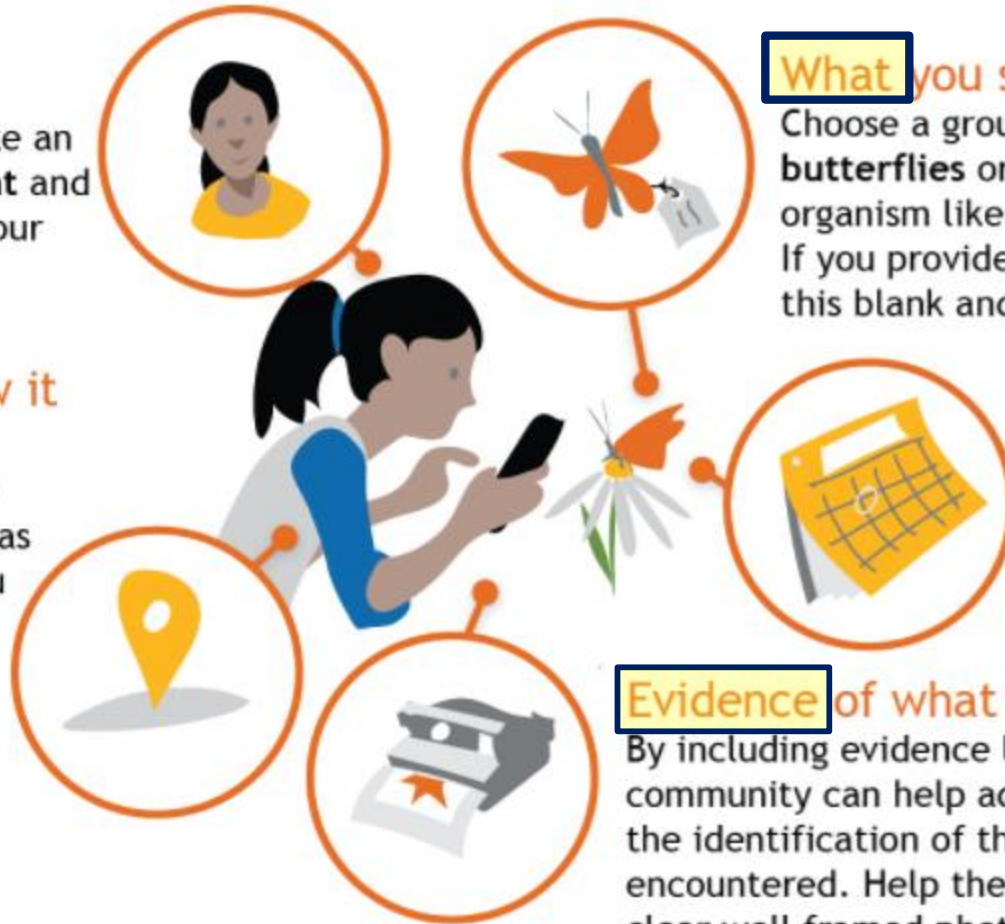
Choose a group of organisms like **butterflies** or better yet a specific organism like the **Monarch butterfly**. If you provide evidence you can leave this blank and the **community** can help

When you saw it

Record the date of your encounter, not the date you post it to iNaturalist

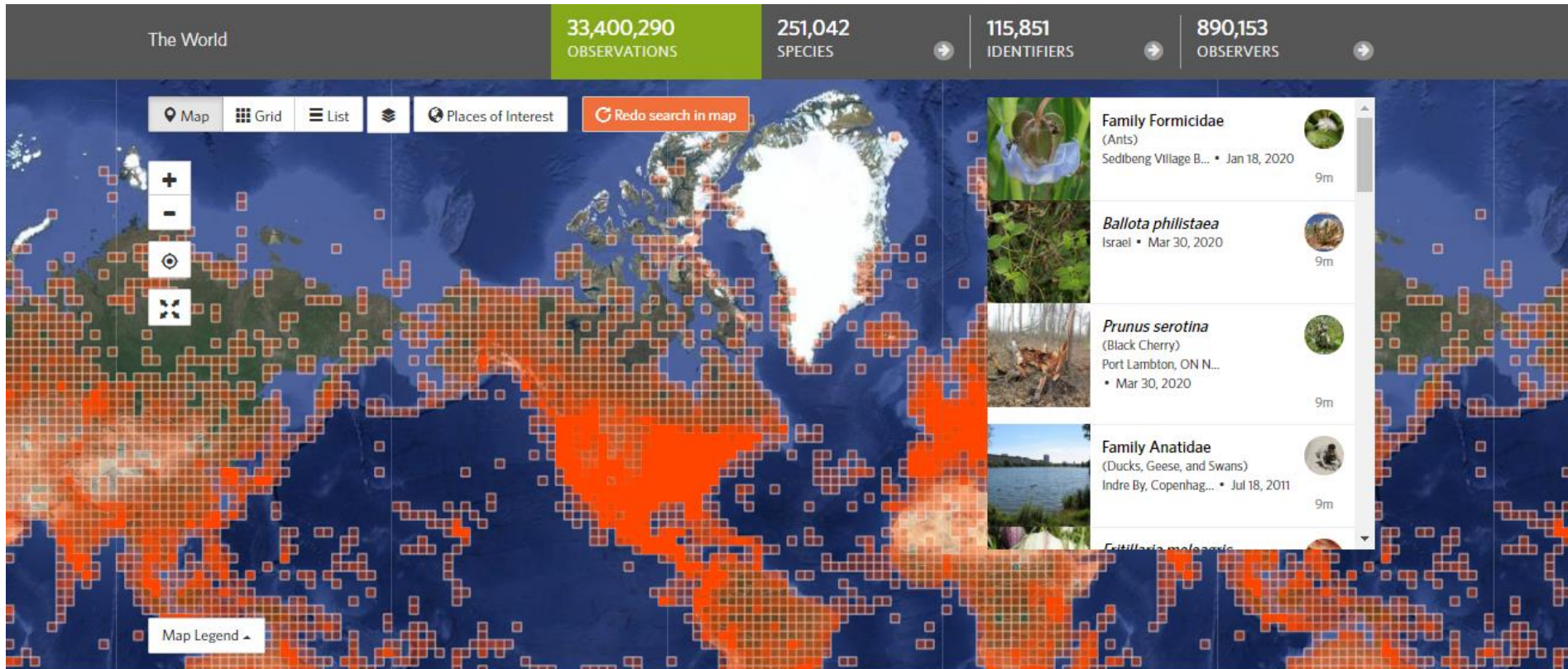
Evidence of what you saw

By including evidence like a **photo** or **sound**, the community can help add, improve, or confirm the identification of the organism you encountered. Help the community by taking clear well framed photos, by including multiple photos from different angles





Current state of iNaturalist Globally*



www.inaturalist.org/stats

*as of 30 March 2020



Current state of iNaturalist North America*



www.inaturalist.org/stats

*as of 30 March 2020



iNaturalist in Texas*

~8% of global observations logged in Texas; 11% of NA total

The screenshot shows the iNaturalist website interface. At the top, the navigation bar includes "Explore", "Your Observations", "Community", "Identify", and "More". The main heading is "Observations". A search bar contains "Texas, USA" and a "Go" button. Below the search bar, a statistics bar shows:

- Texas (selected)
- 2,683,570 OBSERVATIONS (highlighted in green)
- 20,226 SPECIES
- 18,106 IDENTIFIERS
- 57,338 OBSERVERS

The map shows Texas highlighted in orange. A sidebar on the right lists species with their common names, locations, and observation dates:

- Valerianella radiata* (Beaked Cornsalad) - Fort Worth, TX, US... - Mar 27, 2020 - 1min
- Ungnadia spectiosa* (Mexican Buckeye) - Denman Estate Park... - Mar 30, 2020 - 1min
- Castilleja indivisa* (Texas Paintbrush) - Bell County, TX, U... - Mar 30, 2020 - 1min
- Quercus phellos* (Willow Oak) - Denman Estate Park... - Mar 30, 2020 - 2m

www.inaturalist.org/stats

*as of 30 March 2020

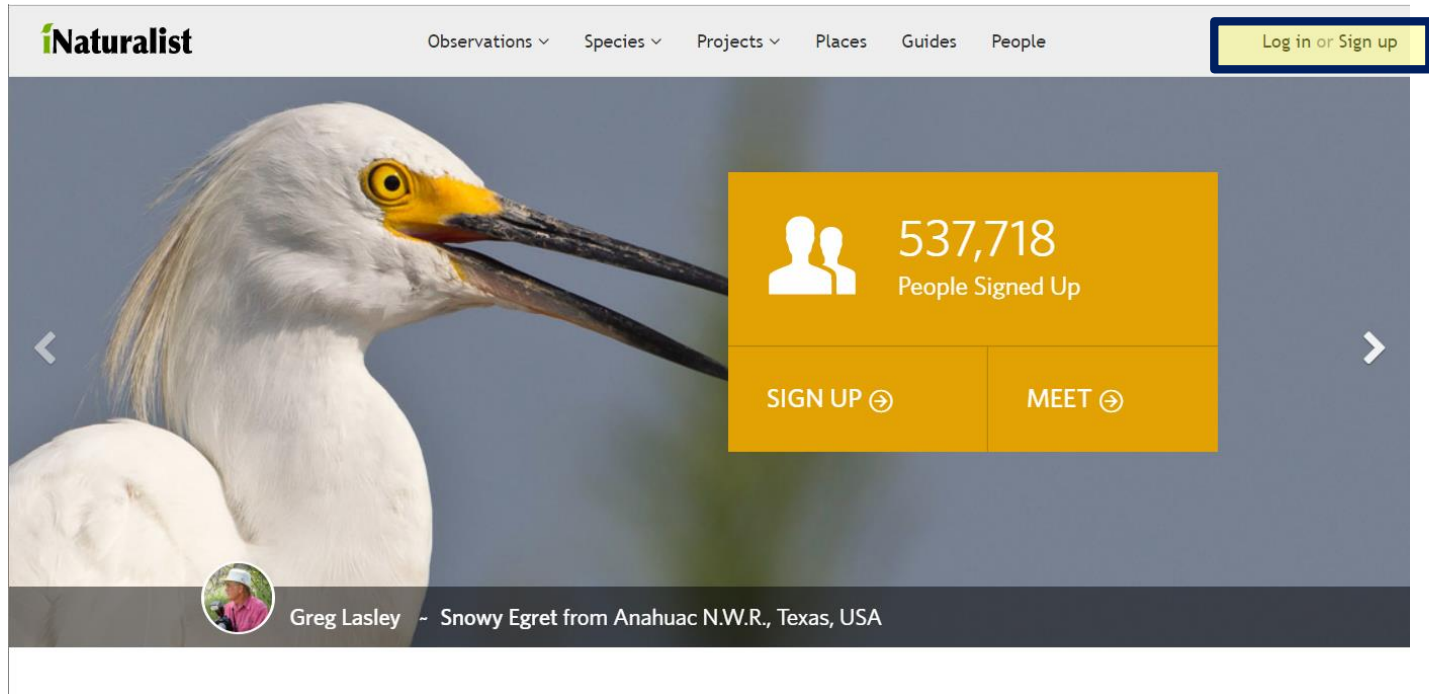
Getting Started with iNaturalist





Getting Started: an Create Account

From your computer: www.inaturalist.org





1 logo square



Username or email



Password

Remember me

[Sign in!](#)

[Start a new account >](#)

[Forgot your password?](#)

Or you can...

[Sign in with Facebook](#)

[Sign in with Twitter](#)

[Sign in with Flickr](#)

[Sign in with Google](#)

[Sign in with Yahoo](#)

[Sign in with SoundCloud](#)

[▶ If you already have an iNat account...](#)

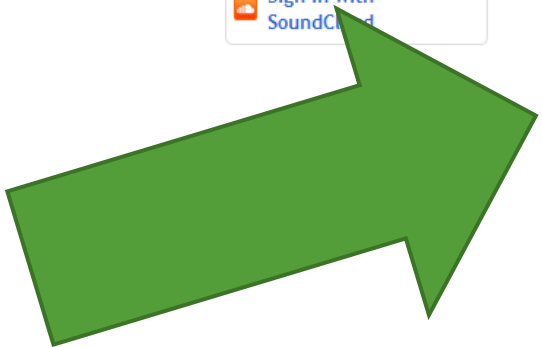




1 logo square

Or you can...

- Sign in with Facebook
- Sign in with Twitter
- Sign in with Flickr
- Sign in with Google
- Sign in with Yahoo
- Sign in with SoundCloud



Join iNaturalist.org!

Login / username

Only letters and numbers, no spaces, must sl

Email

Password

Password confirmation

Your default time zone

All your observations will default to this time zone unless you specify otherwise.

(GMT-10:00) Hawaii

Yes, license my photos, sounds & observations so scientists can use my data!

Check this box if you want to apply a [Creative Commons Attribution-NonCommercial license](#) to your photos. You can choose a different license or remove the license later, but this is the best license for sharing with researchers.

I'm not a robot

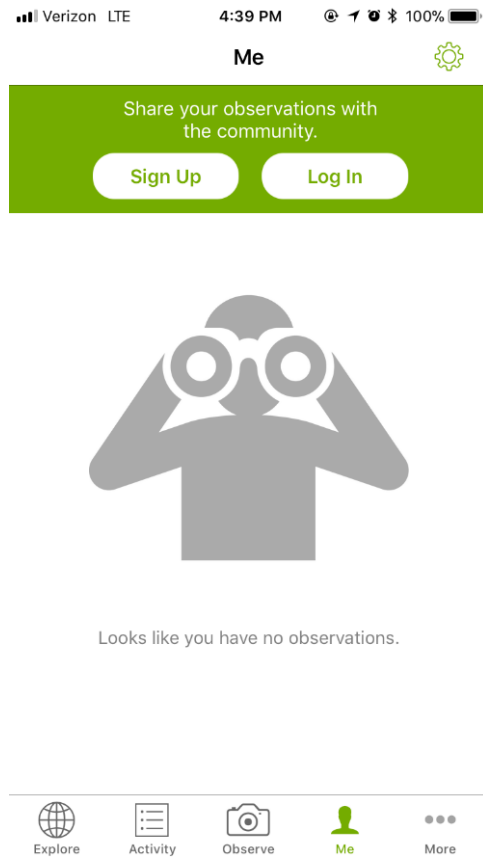


Sign up



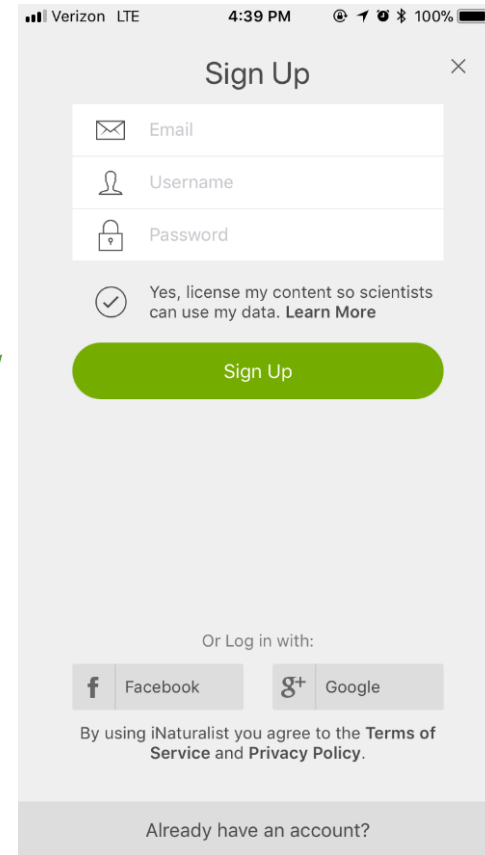
Getting Started: Create an Account

From your Phone (1st download the app):



iPhone

Android



Overview of the iNaturalist Webpage





craighensley

- Home
- Profile**
- Observations
- Calendar
- IDs
- Lists
- Journal
- Favorites
- Projects

- All Updates
- Your Content**
- Following
- Real Time Discussions

You've got updates!

Stay current with updates on the following...

- Your Content:** Activity on your observations such as comments, identifications, or faves from the iNaturalist community. You will also receive updates when someone adds your observation to a project, or annotates it with additional fields.
- People:** New observations or journal posts from the people you follow.
- Organisms, Projects & Places:** New observations from specific organisms or places you're subscribed to. You can also join projects so you will be updated when they publish project journal posts.
- Discussions you've engaged in:** Commenting or adding identifications to someone else's content automatically subscribes you to any new activity on this content. Use the 'Manage your subscriptions' tool to stop receiving updates.

Got it!

+ Add Observations

Luxembourg - iNaturalist World Tour

We kick off Week 8 of the iNaturalist World Tour in Luxembourg our 50th stop!



[Read more »](#)

Forum

Subscriptions



Subscribe to a Taxon

Subscribe to a Place

More

Getting Started Guide

Let us walk you through the main features of this site.

Get Started

zizou added an identification to an [observation](#) by you

09:57 AM



Varanus exanthematicus Savannah Monitor

craighensley | February 6, 2016 | 5 casual

Guadalupe River State Park, Spring Branch, TX, US (Google, OSM)

[View Observation](#)



Edit Your Account & Profile



Change icon

Username *

craighensley

Email *

rcraig.hensley@gmail.com

Name

Craig Hensley

Time zone

All your observations will default to this time zone unless you specify otherwise.

(GMT-06:00) Central Time (US)

Locale

Locale sets your language and date formatting preferences.

English

Search place

Default place for observation searches.

North America Continent

Tell everyone a little about yourself

I am a life-long naturalist having grown up in Iowa and worked everywhere from Minnesota and Nebraska to my current role as a Texas Nature Trackers Biologist with Texas Parks and Wildlife Department. The "rch" stands for Richard Craig Hensley -- I don't go by Richard, by the way -- its a long story.

I am a birder, a butterfly (is that a real word?), a botany enthusiast, a chaser of dragons and damsels and just about anything else if it is in the natural world. I am a nature photographer (macro), focusing primarily on wildflowers, butterflies and Odonata. I am also a licensed bird bander with a particular interest in grassland sparrows.

For the majority of my adult life I have been an environmental educator, bringing my love and passion for the natural world to children and adults from preK to, well, a lot older. I have regularly given presentations on

Email settings

Taxonomy Settings

Connected accounts

Connect to Facebook

Connect to Twitter

Connect to Flickr

Connect to Google

Connect to ORCID

Connecting your iNat account to accounts on other sites will allow you to login to iNat using your credentials from those sites.

Photo hosting accounts

- Link or unlink your Flickr account »
- Link or unlink your Google account »
- Link or unlink your Facebook account »

Your Relationships

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Got it!

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zizou added an identification to an observation by you

09:57 AM



Varanus exanthematicus Savannah Monitor

craighensley

February 6, 2016

5 casual









Guadalupe River State Park, Spring Branch, TX, US (Google, OSM)

View Observation

Your observations

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Add Observations Batch edit Search

Photos / Sounds	Species / Taxon Name	Date observed	Place	Date Added	
 2 photos »	<i>Eleutherodactylus marnockii</i> Cliff Chirping Frog	August 3, 2019 05:31 PM CDT	Boerne, TX 78006, USA (Google, OSM)	August 11, 2019 03:11 PM CDT	Needs ID Edit View »
	<i>Dendrocygna autumnalis</i> Black-bellied Whistling-Duck	August 11, 2019 10:03 AM CDT	Southside, San Antonio, TX, USA (Google, OSM)	August 11, 2019 03:04 PM CDT	1 ID Research Grade Edit View »
	<i>Orthemis ferruginea</i> Roseate Skimmer	August 11, 2019 09:33 AM CDT	Southside, San Antonio, TX, USA (Google, OSM)	August 11, 2019 02:58 PM CDT	1 ID Research Grade Edit View »
	<i>Brachymesia gravida</i> Four-spotted Pennant	August 11, 2019 09:25 AM CDT	Southside, San Antonio, TX, USA (Google, OSM)	August 11, 2019 02:58 PM CDT	1 ID Research Grade Edit View »
	<i>Tramea onusta</i> Red Saddlebags	August 10, 2019 12:36 PM CDT	Hays County, TX, USA (Google, OSM)	August 11, 2019 02:57 PM CDT	1 ID Research Grade Edit View »
 2 photos »	<i>Perithemis tenera</i> Eastern Amberwing	August 10, 2019 12:28 PM CDT	Hays County, TX, USA (Google, OSM)	August 11, 2019 02:56 PM CDT	1 ID Research Grade Edit View »
 4 photos »	<i>Tachybaptus dominicus</i> Least Grebe	August 11, 2019 09:47 AM CDT	Southside, San Antonio, TX, USA (Google, OSM)	August 11, 2019 02:47 PM CDT	1 ID Needs ID Edit View »
	<i>Himantopus mexicanus</i> Black-necked Stilt	August 11, 2019 09:42 AM CDT	Southside, San Antonio, TX, USA (Google, OSM)	August 11, 2019 02:40 PM CDT	1 ID Research Grade Edit View »



Redo search in map area



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Got it!



zizou added an identification to an [observation](#) by you

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Varanus exanthematicus Savannah Monitor

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Guadalupe River State Park, Spring Branch, TX, US (Google, OSM)

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Your Identifications

Home Observations Calendar Favorites Lists Journal IDs Projects Profile

Phrynosoma cornutum Texas Horned Lizard
 Observer [matecolemce](#)
 Date May 4, 2015
 Place Lubbock Lake Landmark (Google, OSM)
 8 IDs | [Research Grade](#) [View »](#)






Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting

Stats



- 1139 IDs made for others

Phrynosoma cornutum Texas Horned Lizard
 Observer [eugenia512](#)
 Date June 19, 2015
 Place Texas alicie (Google, OSM)
 7 IDs | [Research Grade](#) [View »](#)



Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting

Phrynosoma cornutum Texas Horned Lizard
 Observer [dianaterryhibbits](#)
 Date April 12, 2017 01:47 PM CDT
 Place US Highway 57, La Pryor, TX, US (Google, OSM)
 3 IDs | [Research Grade](#) [View »](#)



Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting

Phrynosoma cornutum Texas Horned Lizard
 Observer [troyhibbits](#)
 Date April 26, 2017 07:06 PM CDT
 Place La Pryor, TX 78872 (Google, OSM)
 4 IDs | [Research Grade](#) [View »](#)



Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting

Phrynosoma cornutum Texas Horned Lizard
 Observer [troyhibbits](#)
 Date April 26, 2017 07:31 PM CDT
 Place Zavala County TX (Google, OSM)
 3 IDs | [Research Grade](#) [View »](#)

Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting

Phrynosoma cornutum Texas Horned Lizard
 Observer [troyhibbits](#)
 Date April 26, 2017 08:12 PM CDT
 Place La Pryor, TX 78872 (Google, OSM)

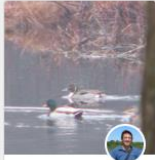



Your ID: [Phrynosoma cornutum](#) (Texas Horned Lizard)
 Added on February 02, 2020.
 Supporting




Identify


Reviewed



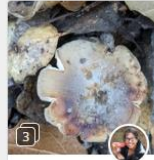
Anas acuta
Northern Pintail




Ardea herodias
Great Blue Heron



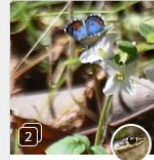
Genus Russula
Brittlegills



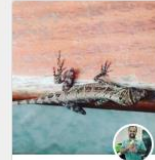
Genus Russula
Brittlegills



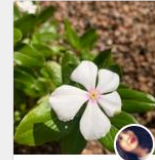
Superfamily Helicoidea
Helicoid Land Snails



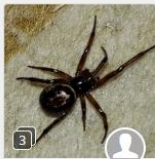
Philotes sonorensis
Sonoran Blue




Anolis nebulosus
Clouded Anole




Unknown




Steatoda nobilis
Noble False Widow




Vicia americana
American Vetch



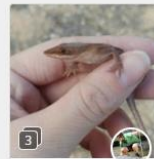
Pooecetes gramineus
Vesper Sparrow




Argia apicalis
Blue-fronted Dancer



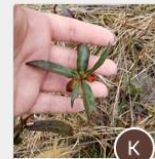
Garberia heterophylla
Garberia




Anolis carolinensis
Green Anole



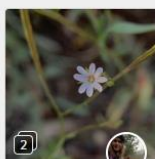
Philotes sonorensis
Sonoran Blue



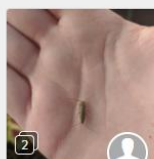
Stillingia sylvatica
Queen's Delight



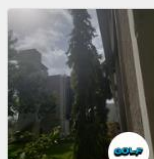
Nymphalis antiopa
Mourning Cloak




Epilobium brachycarpum
Panicled Willowherb




Ctenolepisma lineata
Four-lined Silverfish



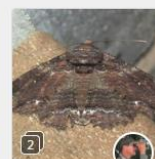
Genus Cupressus
Cypresses



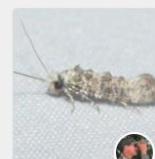
Genus Dudleya
Lifeforever




Spermacoce verticillat
Shrubby False Buttonwee





Zale lunata
Lunate Zale Moth





Genus Xylesthia














85 observations reviewed

RANK	IDENTIFICATIONS
0	8,213,5
Top Identifiers	
RANK	IDENTIFICATIONS
1	agullita 449,111
2	sambiology 393,810
3	greglasley 363,649
4	graysquirrel 304,919
5	maxallen 268,441
6	john8 228,310
7	tsn 220,852
8	johnascher 218,979
9	joshuagsmith 200,122
10	jrebman 199,660



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We kick off Week 8 of the iNaturalist World Tour in Luxembourg our 50th stop!



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Varanus exanthematicus Savannah Monitor

craighensley

February 6, 2016

5 casual

Guadalupe River State Park, Spring Branch, TX, US (Google, OSM)

View Observation



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All Projects »



2019 Cibolo Nature Center and Farm Bioblitz

The Bioblitz is intended to fill in the gaps of species not included in our Wildlife Field Research formal...

View your observations »



2019 Texas Pollinator BioBlitz

Pollinators and the plants that rely on them are a critical foundation for our native ecosystems and food s...

View your observations »



Bees and Wasps of Texas

Bees and Wasps of Texas is an effort of the Texas Native Bee Co-op and Texas Parks and Wildlife Department...

View your observations »



Butterflies of Guadalupe River State Park

Since 2012 monthly butterfly surveys have been taking place at Guadalupe River State Park. These efforts co...

View your observations »



Cibolo Nature Center iNaturalist Training and mini-bioblitz

This project is part of the on-going CNC Fall Wildlife Field Research Week. We'll begin with an introduction...

View your observations »



eButterfly North America

Check out eButterfly www.e-butterfly.org! A real-time, online checklist program, e-Butterfly.org aims to re...

View your observations »



Freshwater Mussels of Texas

Guide to photographing mussels: http://tpwd.texas.gov/huntwild/wild/wildlife_div...



2019 San Antonio Monarch Heroes Year 2 Workshop

This project is designed to capture data on plants and animals found at Bonham Academy as part of the Monar...

View your observations »



All Texas Nature

This project is a repository for citizen science observations through the Texas Parks & Wildlife mobile...

View your observations »



Birds of Texas

The purpose of this project is to enhance our understanding of the distribution of birds in Texas. Our high...

View your observations »



Caterpillars of Eastern North America

The goal of this project is to collect observations of caterpillars from Eastern North America. Please help...

View your observations »



City Nature Challenge 2018: San Antonio

Join Texas Parks and Wildlife, Texas Master Naturalists, the Audubon Society, and many others in a fun chal...

View your observations »



Fishes of Texas

This project is part of the larger Fishes of Texas project (www.fishesoftexas.org) to document occurrences ...

View your observations »



FY 19 Bioblitz Projects Summary

This is a summary of the Bioblitz events that took place throughout Texas in FY19 in

Manage your project invitations

Projects you admin



Butterflies of Guadalupe River State Park

Since 2012 monthly butterfly surveys have been taking place at Guadalupe River State Park. These efforts co...



Guadalupe River State Park Texas Pollinator Bioblitz Training and Kickoff 2

Guadalupe River State Park is kicking off the 2019 Texas Pollinator Bioblitz with this second iNaturalist t...



Guadalupe River SP Texas Pollinator Bioblitz Training and Kickoff

Guadalupe River State Park is kicking off the 2019 Texas Pollinator Bioblitz with this first of two iNatura...



Tye Preston Memorial Library iNaturalist Training and Butterfly/Pollinator Bioblitz 2

Tye Preston Memorial Library is home to a wonderful series of pollinator/butterfly gardens. Lindheimer Mast...



Tye Preston Memorial Library iNaturalist Training and Butterfly/Pollinator Bioblitz

Tye Preston Memorial Library is home to a wonderful series of pollinator/butterfly gardens. Lindheimer Mast...



Cibolo Nature Center iNaturalist Training and mini-bioblitz

This project is part of the on-going CNC Fall Wildlife Field Research Week. We'll begin with an introduction...



San Antonio Botanical Center

New & Noteworthy

City Nature Challenge 2020

April 24-27

City Nature Challenge 2020

Projects

Projects let you pool your observations with other people on iNaturalist. Whether you're starting a citizen science effort or keeping tabs on the birds in your neighborhood, Projects are the way to go.

Start a Project

Butterflies

Go

Manage Your Projects

Featured



City Nature Challenge 2019



Флора России | Flora of Russia



City Nature Challenge 2020

 BowerBird



Bowerbird



Environment Recovery

« Projects

Search Projects

Butterflies

Search

1 - 30 of 806



Brian Patrick's moths and butterflies of New Zealand

This project contains the moth and butterfly observations made by New Zealand entomologist Brian Patrick (@butterfly4). Since 1970, when Brian was a teenager, he has been carefully and consistently noting the moths he finds on all his trips. These trips have been to thousands of places, mostly...



Butterflies of Hong Kong 香港蝴蝶

You are welcome to contribute any observations of Hong Kong butterflies for science and conservation by joining this project!



Butterflies of Europe



Maryland Moths and Butterflies

Submit wild butterfly and moth observations from Maryland, USA to this project. Butterflies and especially moths are incompletely documented in Maryland. By simply photographing these important insects and sharing your sightings, you can increase knowledge of the 2500 species found in Maryla...



Butterflies and Moths of Pennsylvania

Butterflies and Moths of North America (BAMONA) is an ambitious effort to collect, store, and share species information and occurrence data. This project will be a portal to funnel Pennsylvania observations of butterflies and moths from iNaturalist to the BAMONA database, to complement the over ...



Butterflies of Singapore

Quick Link : 2018, 2019, 2020 YTD observations, The Butterflies of Singapore citizen science project serves to document the distribution and seasonality of butterflies in Singapore with the objective of establishing conservation status of each species. Casual observations are excluded from this ...



Neotropical butterflies

This project serves to document the distribution of the butterflies living in the Neotropics.



Butterflies and Moths of Hispaniola

Document the occurrence of Leptodoperids of all shapes and sizes on the island of Hispaniola. Documentar la ocurrencia de especies Leptidopteros en la isla de Hispanola.



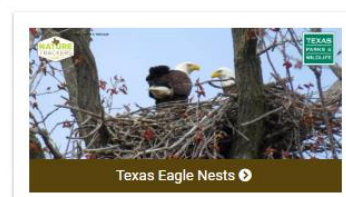
Monarch Butterflies

To map citings of Monarch Butterflies through the Sierra Nevada Mountains of North America or anywhere.




Projects

TNT Projects are how we compile and curate data in the Texas Nature Trackers Program. Our projects are critical to understanding the distribution and seasonality of plants and animals in Texas, and how both are changing over time. While our highest priority is to document Target Species, we are compiling data on common species as well. Today's common species may become the high priority species of tomorrow, and your observations today will provide the baseline for future generations of naturalists. To learn more about our projects, click or tap on a project box below.



EVENT IN PROGRESS



2019 Cibolo Nature Center and Farm Bioblitz
OCT 7, 2019 - OCT 12, 2019

About Leave 14


The Bioblitz is intended to fill in the gaps of species not included in our Wildlife Field Research formalized surveys. Participants are invited to submit observations of any critters or plants of interest at anytime during the scheduled Wildlife Field Research events in May and October 2019. This event is a on-your-own type

[Read More >](#)

NEWS

Overview **156** OBSERVATIONS **91** SPECIES **47** IDENTIFIERS **13** OBSERVERS [Stats](#)


Recent Observations [View All](#)



Place-based Projects =
Bioblitzes

A Bioblitz is an effort to record as many species as possible in a designated area and period of time.





About

Members 👤 12

Since 2012 monthly butterfly surveys have been taking place at Guadalupe River State Park. These efforts continue today and we are hoping to use iNaturalist to continue documentation of the butterflies of the park (and Honey Creek). We welcome all images of butterflies -- adults, eggs, larvae and pupae from within the boundaries of the park. *Over time we are attempting to learn* [Read More >](#)

[Edit Project](#) 🔔 NEWS

Butterflies of Guadalupe River State Park

Overview

442
OBSERVATIONS

69
SPECIES

100
IDENTIFIERS

47
OBSERVERS

Stats

Recent Observations View All



Thorybes pylades
Northern Cloudywing

👤 1mo

RG



Vanessa virginiensis
American Lady

👤 3 2d

RG



Nathalis iole
Dainty Sulphur

👤 2 2d





RG








Junonia coenia
Common Buckeye

👤 2 2d






Most Observations

	kbbutler	131
	craighensley	95
	dnvarga	78
	codycs	32
	catchang	10

Most Species

	craighensley	53
	dnvarga	36
	kbbutler	34
	codycs	17
	catchang	8

Most Observed Species

	<i>Battus philenor</i>	26
	<i>Strymon melinus</i>	26
	<i>Danaus gilippus</i>	23
	<i>Junonia coenia</i>	22
	<i>Danaus plexippus</i>	19



October
4 – 20
2019

The Texas Pollinator BioBlitz is a statewide event celebrating and documenting the many diverse pollinators vital to healthy Texas ecosystems.



The Texas Pollinator BioBlitz is organized by a partnership of the National Butterfly Center, Lady Bird Wildflower Center, US Fish and Wildlife Service, National Wildlife Federation, and Texas Parks and Wildlife.

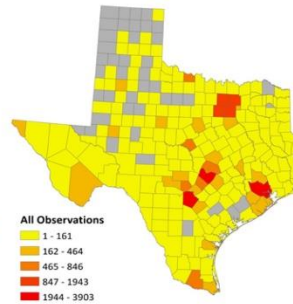


More information at
tpwd.texas.gov/education/bioblitz

Texas Pollinator BioBlitz on iNaturalist:

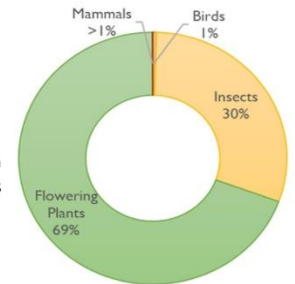
In addition to engagement through Facebook, Instagram, and locally-hosted events, participants were encouraged to take photos of pollinators, flower visitors, and flowering plants and share these observations on the Texas Pollinator BioBlitz iNaturalist project.

- Participation from 212 counties— 83% of Texas counties
- More than 33,000 observations
- More than 2,800 species recorded
- More than 4,000 observers
- More than 900 identifiers
- See all results at: <https://www.inaturalist.org/projects/2019-texas-pollinator-bioblitz>

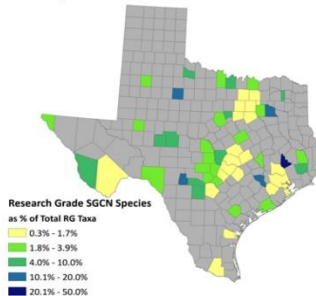


The majority of all observations were of flowering plants, with insects making up 30% of observations in the BioBlitz. Other pollinator groups—birds and mammals—made up less than 2% of the total observations.

More than half of the observations (51%) recorded during the Texas Pollinator BioBlitz were **Research Grade** - observations of wild organisms with photo or sound vouchers of a quality to merit a species-level identification by the majority of identifiers.



Participants recorded over 200 Research Grade observations of **21 Species of Greatest Conservation Need** across 56 counties.



Left: American Bumblebee, Patty Paztor, CCBY-NC

Center: Comanche Harvester Ant, Sam Kieschnick, CCBY-NC

Right: Sonoran Bumblebee, Donovan Moxley, CCBY-NC



About

Leave 12

Join Texas Parks and Wildlife, Texas Master Naturalists, the Nature Conservancy, the Audubon Society, and many others in a fun challenge to see which city can document the most species during April 24 - 27. It is easy to participate by joining an event or making observations on your own using the iNaturalist

Read More >

Edit Project

NEWS

Status

This bioblitz begins in:

69 DAYS 12 HOURS 40 MIN 0 SEC

About this bioblitz

Project Requirements

Observations in this project must meet the following criteria:

- Taxa: All taxa
- Location: Greater San Antonio Metro Area, US, TX, Kerr County, TX, US
- Users: any
- Projects: any
- Quality Grade: Research Grade, Needs ID, Casual
- Media Type: any
- Date: April 24 - April 27
- Establishment: any

News

No news yet. Check back soon!

Map





Overview of the Phone Apps

Apple & Android






AT&T










2:49 PM







craighensley

314 Observations

-  **White-striped Longtail** 1min
San Antonio Botanical Garden, S...
-  **Queen** 3d
San Antonio Botanical Garden, S...
-  **American Bumble Bee** 1min
San Antonio Botanical Garden, S...
-  **Turk's cap** 1min
San Antonio Botanical Garden, S...
-  **Mason, Leafcutter, Carder,...** 3d
San Antonio Botanical Garden, S...
-  **Mason, Leafcutter, Carder,...** 3d
San Antonio Botanical Garden, S...
-  **Eastern Carpenter Bee** 6d
Comal County, TX, USA
-  **Common Checkered-Skipper** 4d
Boerne, TX 78006, USA
-  **Fierv Skipper** 4d

-  Explore
-  Activity
-  Observe
-  Me
-  More










59% 2:38 PM

My Observati...

314 OBSERVATIONS

208 SPECIES

167 IDENTIFICATIONS


-  **Quercus fusiformis** 2m
FAIR OAKS, TX 78006, USA 1
-  **Euphyes vestris** 23h
Canyon Lake, TX, USA 2
-  **Agraulis vanillae** 23h
Canyon Lake, TX, USA 2
-  **Dasypus novemcinctus** 19h
Boerne, TX 78006, USA 3
-  **Dasypus novemcinctus** 19h
Boerne, TX 78006, USA 4
-  **Ardea alba** 19h
Boerne, TX 78006, USA 1 2
-  **Danaus gilippus** 1
Canyon Lake, TX, USA 2






AT&T 2:52 PM

Cancel Details

+ 
 Default

 What did you see?
 View suggestions

Notes...

Oct 11, 2019 at 2:50 PM

Cibolo Nature Center & Far...
 Lat: 29.781 Long: -98.709 Acc: 128 m

Geoprivacy Open

Captive / Cultivated No


Projects


SHARE




4g 59% 2:35 PM

← Details ✓


 1st

 What did you see?
 View Suggestions

 Name what you saw if you can, but it's OK if you can't. Others may help you identify it!
 GOT IT!

Notes

Oct 11, 2019 02:35 PM CDT

FAIR OAKS, TX 78006, USA
 Lat: 29.78148862 Lon: -98.70882806 Acc: 6.432

Location Visibility: Open

It is captive or cultivated



AT&T 2:52 PM

< Details



Look up a species by name

WE'RE PRETTY SURE THIS IS IN THE GENUS QUERCUS.

oaks
Quercus ⓘ

HERE ARE OUR TOP TEN SPECIES SUGGESTIONS:

Texas live oak
Quercus fusiformis ⓘ
Visually Similar / Seen Nearby

southern live oak
Quercus virginiana ⓘ
Visually Similar / Seen Nearby

sand live oak
Quercus geminata ⓘ



Quercus fusiformis
Texas live oak ⓘ
Visually Similar / Seen Nearby


Quercus virginiana
southern live oak ⓘ
Visually Similar / Seen Nearby

Quercus geminata
sand live oak ⓘ




AT&T 2:52 PM


Cancel Details


+  ✕


☑ Default


 **Texas live oak** ✕
Quercus fusiformis


Notes...

 Oct 11, 2019 at 2:50 PM >

 **Cibolo Nature Center & Far...** >
Lat: 29.781 Long: -98.709 Acc: 128 m

 Geoprivacy Open >

 Captive / Cultivated No >



 Projects >


SHARE





↓ 4G LTE 59% 2:36 PM


← Details ✓


  1st


 **Quercus fusiformis** ✕
Texas live oak


 Name what you saw if you can, but it's OK if you can't. Others may help you identify it!
GOT IT!

 Notes

 Oct 11, 2019 02:35 PM CDT

 **FAIR OAKS, TX 78006, USA**
Lat: 29.78148862 Lon: -98.70882806 Acc: 6


 Location Visibility: Open


 It is captive or cultivated




AT&T 2:52 PM


Cancel Details


+ 
 Default


 **Texas live oak**
 Quercus fusiformis


Notes...

 Oct 11, 2019 at 2:50 PM

 Cibolo Nature Center & Far...
 Lat: 29.781 Long: -98.709 Acc: 128 m

 **Geoprivacy Open**



 Captive / Cultivated No


 Projects


SHARE




Details


 
 1st


 **Quercus fusiformis**
 Texas live oak


 Name what you saw if you can, but it's OK if you can't. Others may help you identify it!
 GOT IT!

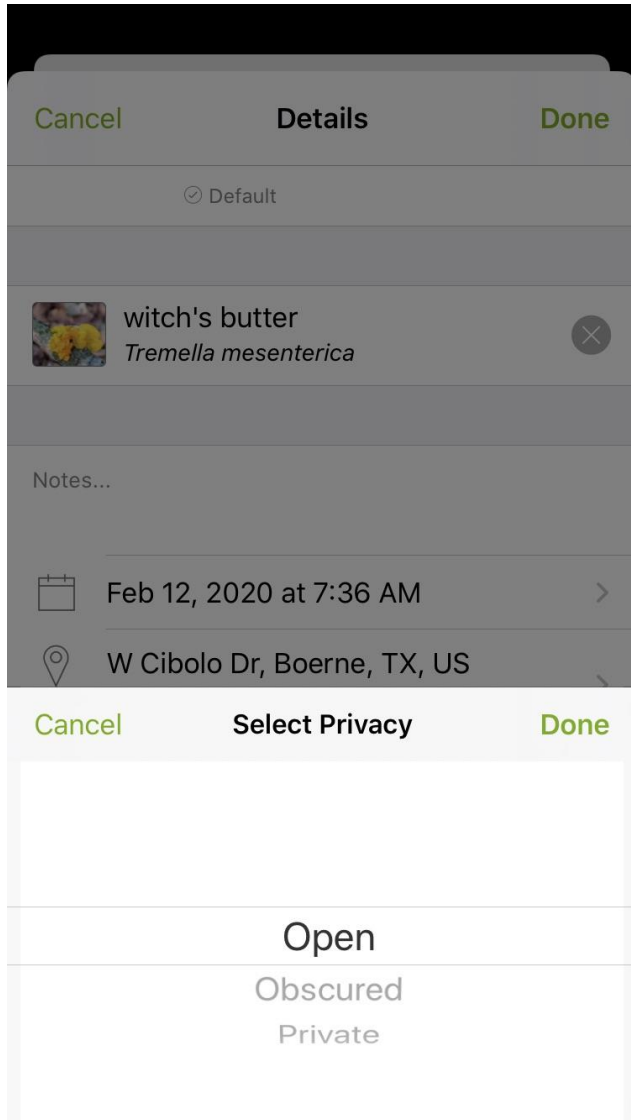
Notes

 Oct 11, 2019 02:35 PM CDT

 **FAIR OAKS, TX 78006, USA**
 Lat: 29.78148862 Lon: -98.70882806 Acc. 6

 **Location Visibility: Open**

 It is captive or cultivated



Open – everyone can see the coordinates


Obscured – coordinates are shown as a random point with 22x22 km area; you, trusted users and trusted project curators can see them


Private – coordinates are completely hidden from public maps; only you can see them along with trusted users and trusted project curators




AT&T 2:52 PM


Cancel Details


+ 
 Default


 **Texas live oak**
 Quercus fusiformis


Notes...

 Oct 11, 2019 at 2:50 PM

 Cibolo Nature Center & Far...
 Lat: 29.781 Long: -98.709 Acc: 128 m

 Geoprivacy Open

 **Captive / Cultivated** No



 Projects


SHARE





59% 2:36 PM


← Details ✓


 
 1st


 **Quercus fusiformis**
 Texas live oak


 Name what you saw if you can, but it's OK if you can't. Others may help you identify it!
 GOT IT!

 Notes

 Oct 11, 2019 02:35 PM CDT

 **FAIR OAKS, TX 78006, USA**
 Lat: 29.78148862 Lon: -98.70882806 Acc. 6


 Location Visibility: Open


 **It is captive or cultivated**




AT&T 2:52 PM


Cancel Details


+ 
 Default


 **Texas live oak**
 Quercus fusiformis


Notes...

 Oct 11, 2019 at 2:50 PM >

 Cibolo Nature Center & Far... >
 Lat: 29.781 Long: -98.709 Acc: 128 m

 Geoprivacy Open >



 Captive / Cultivated No >


 Projects >


SHARE





Details


 
 1st


 **Quercus fusiformis**
 Texas live oak


 Name what you saw if you can, but it's OK if you can't. Others may help you identify it!
 GOT IT!

 Notes

 Oct 11, 2019 02:35 PM CDT

 FAIR OAKS, TX 78006, USA
 Lat: 29.78148862 Lon: -98.70882806 Acc. 6

 Location Visibility: Open

 It is captive or cultivated



AT&T 3:21 PM

craighensley

Syncing...

Texas live oak 1min

Texas live oak 1h
Cibolo Nature Center & Farm, Bo...

Dun Skipper 1d
Canyon Lake, TX, USA

Gulf Fritillary 1d
Canyon Lake, TX, USA

Nine-banded Armadillo 21h
Boerne, TX 78006, USA

Nine-banded Armadillo 21h
Boerne, TX 78006, USA

Great Egret 20h
Boerne, TX 78006, USA

Queen 1d
Canyon Lake, TX, USA

Western Giant Swallowtail 5d

Explore Activity Observe Me More

4G LTE 59% 2:37 PM

My Observati...

314 OBSERVATIONS 208 SPECIES 167 IDENTIFICATIONS

Syncing 1 of 1 observations... Stop

Quercus fusiformis
Uploading...

Euphyes vestris 23h
Canyon Lake, TX, USA

Agraulis vanillae 23h
Canyon Lake, TX, USA

Dasyopus novemcinctus 19h
Boerne, TX 78006, USA

Dasyopus novemcinctus 19h
Boerne, TX 78006, USA

Ardea alba 19h
Boerne, TX 78006, USA

Danaus gilippus 1d



AT&T

2:53 PM



craighensley



316 Observations



Texas live oak

Cibolo Nature Center & Farm, Bo...

1min



White-striped Longtail

San Antonio Botanical Garden, S...

1min



Queen

San Antonio Botanical Garden, S...

3d



American Bumble Bee

San Antonio Botanical Garden, S...

1min



Turk's cap

San Antonio Botanical Garden, S...

1min



Mason, Leafcutter, Carder, ...

San Antonio Botanical Garden, S...

3d



Mason, Leafcutter, Carder, ...

San Antonio Botanical Garden, S...

3d



Eastern Carpenter Bee

Comal County, TX, USA

6d



Common Checkered-Skipper

4d



Explore



Activity



Observe



Me



More



Bluetooth, Wi-Fi, 4G LTE, 59% battery, 2:38 PM



My Observati...



314

OBSERVATIONS

208

SPECIES

167

IDENTIFICATIONS



Quercus fusiformis

FAIR OAKS, TX 78006, USA

2m

1



Euphyes vestris

Canyon Lake, TX, USA

23h

2



Agraulis vanillae

Canyon Lake, TX, USA

23h

2



Dasypus novemcinctus

Boerne, TX 78006, USA

19h

3



Dasypus novemcinctus

Boerne, TX 78006, USA

19h

4



Ardea alba

Boerne, TX 78006, USA

19h

1 2



Danaus gilippus

Canyon Lake, TX, USA



2



10:27 AM

AT&T

Settings icon

craighensley

621 Observations

iNat Year in Review My Year in Review

- witch's butter** 2d
W Cibolo Dr, Boerne, TX, US
- Stretchberry** 4d
Cibolo Nature Center & Farm, Bo... 1
- Tenpetal Anemone** 4d
Cibolo Nature Center & Farm, Bo... 1
- cedar sage** 7d
Friends of Friedrich Wilderness,... 2
- Engelmann Daisy** 7d
Friends of Friedrich Wilderness,... 1
- Rose-bellied Lizard** 7d
Friends of Friedrich Wilderness,... 4
- Texas redbud** 7d
Friedrich Wilderness Park, San A... 1
- overgreen sumac** 7d

Explore Activity Observe Me More

10:28 AM

AT&T

Settings About

Settings

YOUR ACCOUNT

Username craighensley

Email rcraig.hensley@gmail.com

Sign out

APP SETTINGS

Change username >

Change email >

Autocomplete names

Automatic upload

Suggest species

iNaturalist Network iNaturalist >

HELP

Explore Activity Observe Me More

10:28 AM

AT&T

Settings About

Settings

YOUR ACCOUNT

Username craighensley

Email rcraig.hensley@gmail.com

Sign out

APP SETTINGS

Change username >

Change email >

Autocomplete names

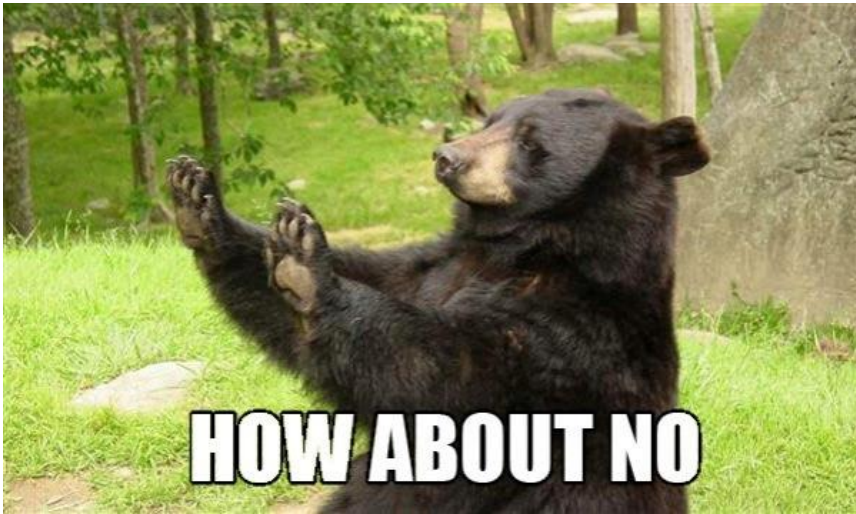
Automatic upload

Suggest species
















iNaturalist Network iNaturalist >

HELP

Explore Activity Observe Me More



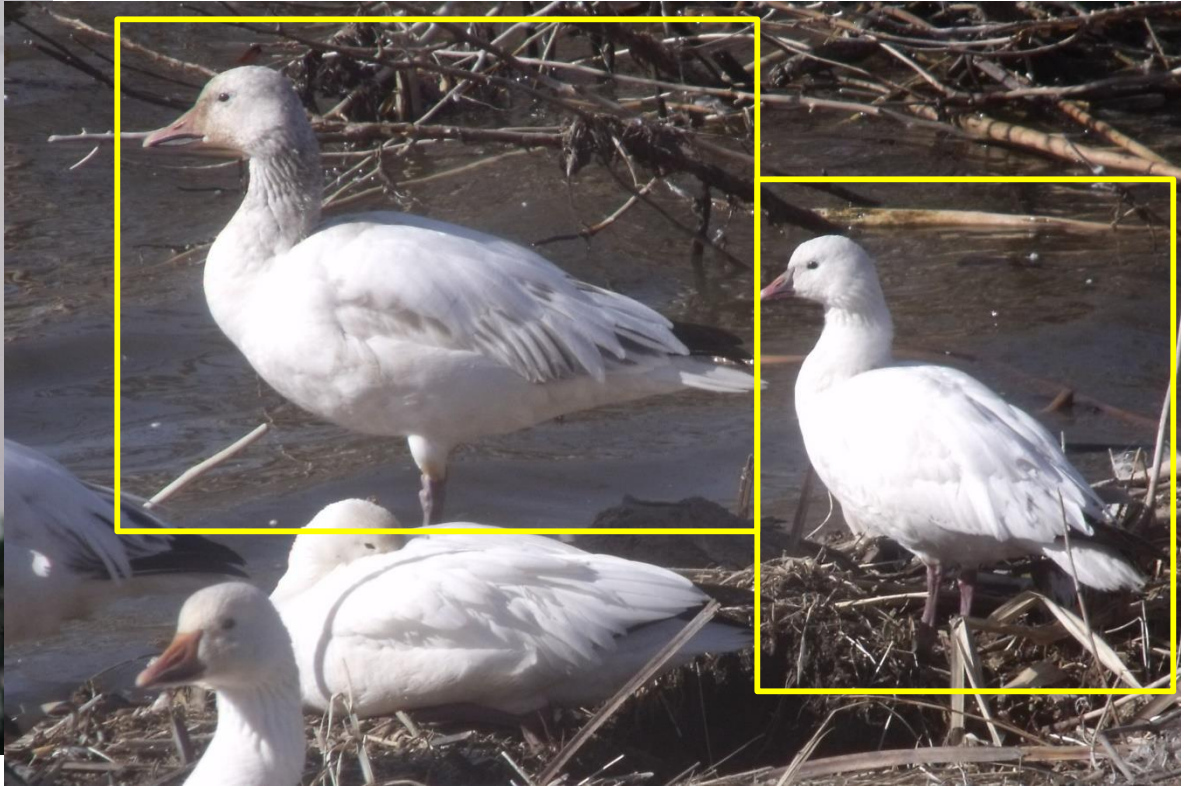
recommendation, but here are our top 10 suggestions:

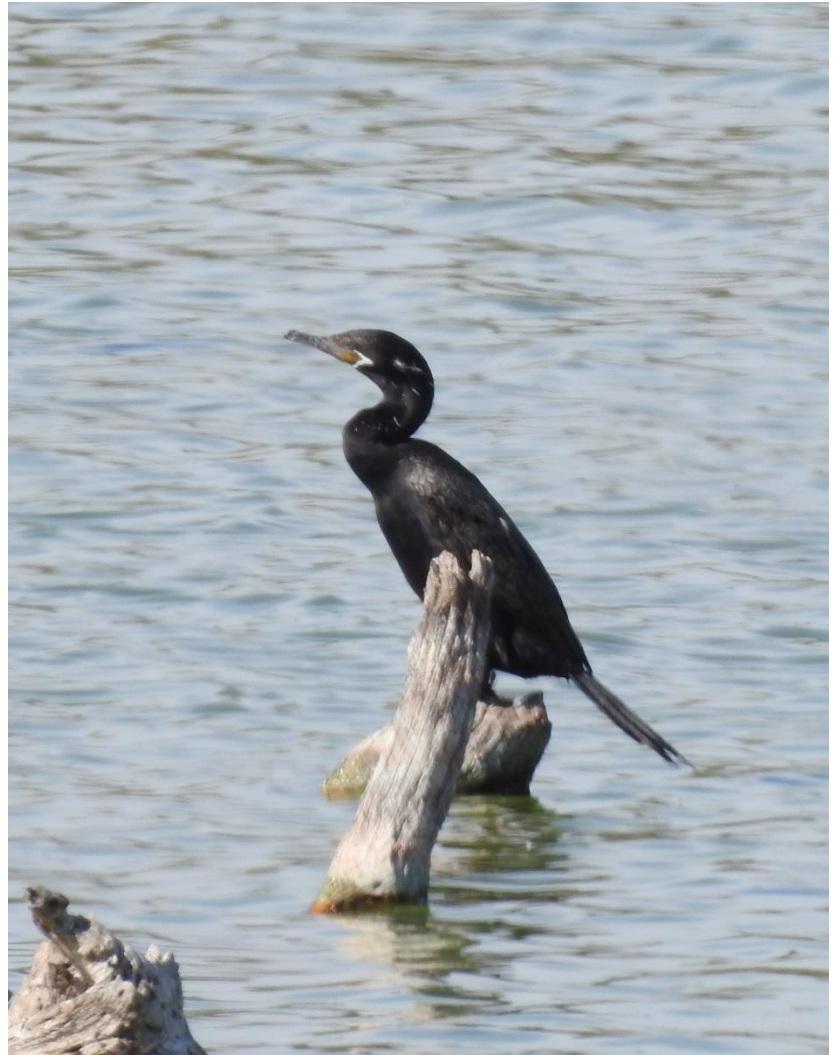
-  **American Black Bear**
Ursus americanus
Visually Similar  
-  **American Crow**
Corvus brachyrhynchos
Visually Similar / Seen Nearby  
-  **Wild Boar**
Sus scrofa
Visually Similar / Seen Nearby  
-  **American Bison**
Bison bison
Visually Similar  
-  **Common Raven**
Corvus corax
Visually Similar / Seen Nearby  

Photography Tips









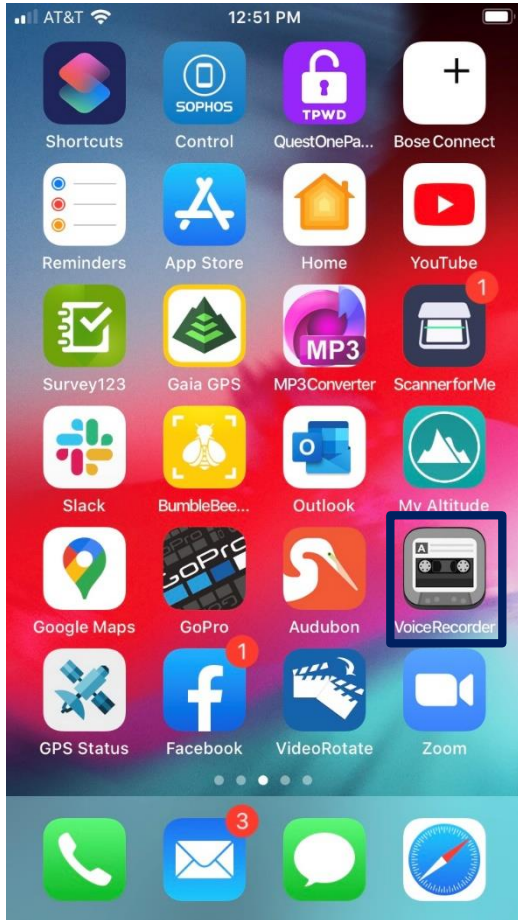


Nests





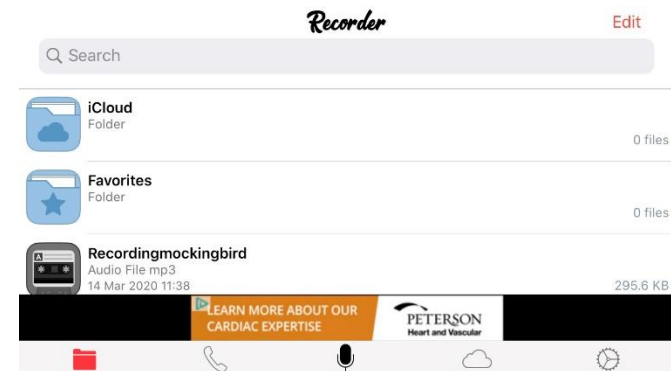
Remember, Sounds Count!*



1. Download an app



2. Record the Sound



3. Name the File and Email to upload through the webpage

*Sounds must be uploaded from your phone to your computer then added to the iNaturalist webpage as of now; videos not yet

Photographing Wildflowers:



Photographing Woody Plants:



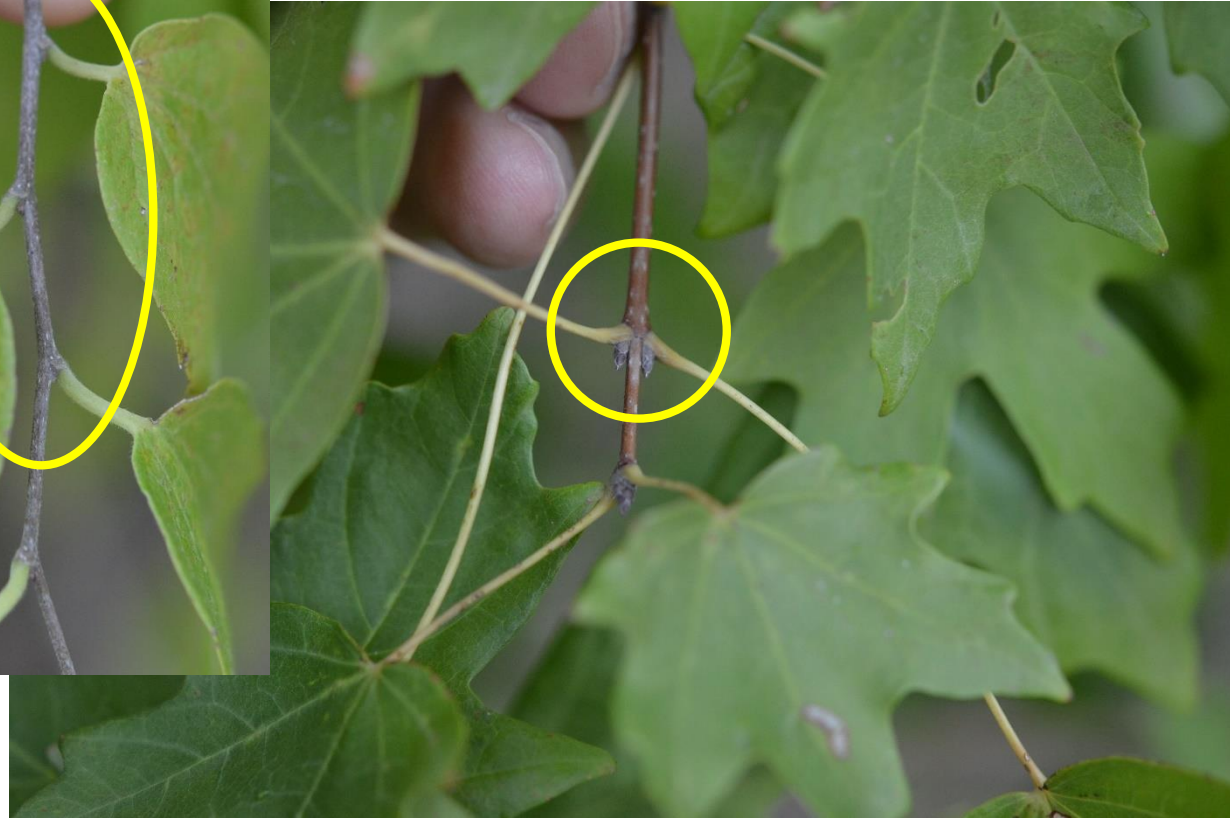
Photographing Leaves - Venation:



Photographing Leaves – Compound Leaves:



Photographing Leaves – Leaf Arrangement:





Photographing Fruit:



Photographing Woody Plants – Tendrils/Thorns:



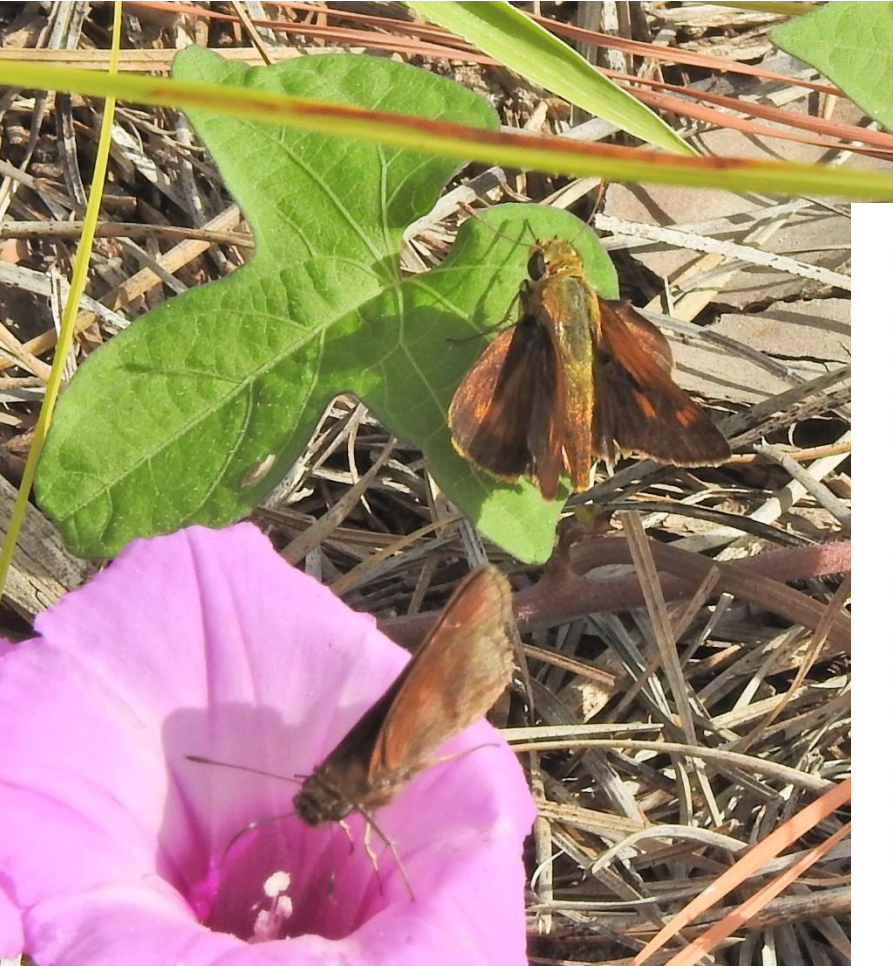
Photographing Woody Plants -- Bark:



Photographing Invertebrates – Dragons & Damselfly:



Photographing Invertebrates - Butterflies:



Photographing Invertebrates - Butterflies:



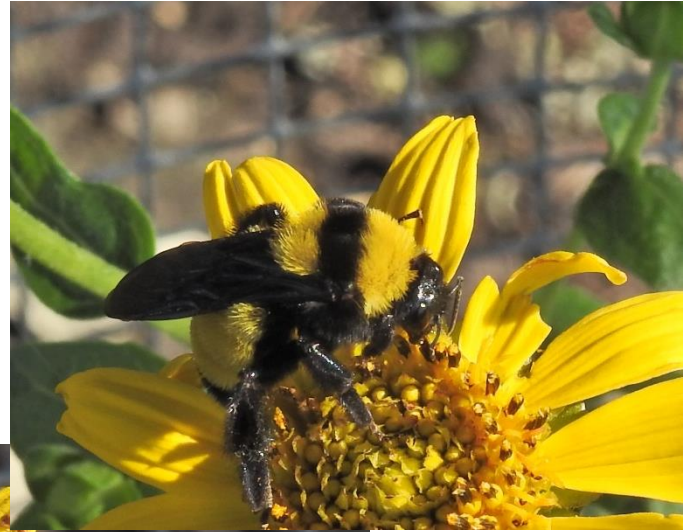
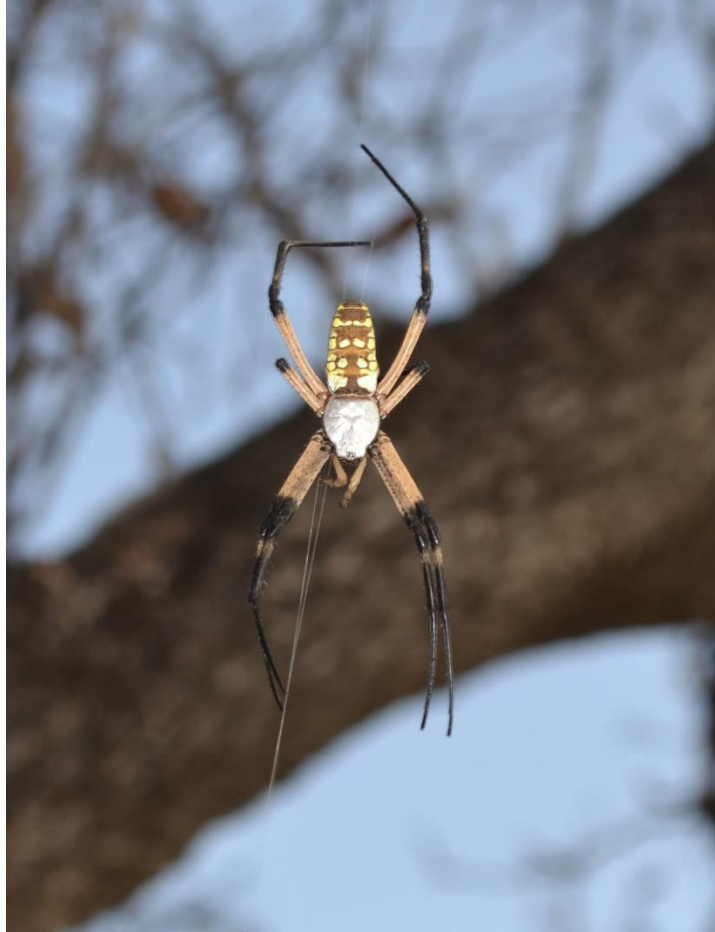
Photographing Invertebrates –
Butterflies:



Photographing Invertebrates – Moths:



Photographing Invertebrates:





Tracks and Dead
Animals count,
too!



Time for Lunch and Practice!



Uploading an Image to iNaturalist





craighensley

- Home
- Profile
- Observations
- Calendar
- IDs
- Lists
- Journal
- Favorites
- Projects

- All Updates
- Your Content
- Following
- Real Time Discussions

You've got updates!

Stay current with updates on the following...

- Your Content:** Activity on your observations such as comments, identifications, or faves from the iNaturalist community. You will also receive updates when someone adds your observation to a project, or annotates it with additional fields.
- People:** New observations or journal posts from the people you follow.
- Organisms, Projects & Places:** New observations from specific organisms or places you're subscribed to. You can also join projects so you will be updated when they publish project journal posts.
- Discussions you've engaged in:** Commenting or adding identifications to someone else's content automatically subscribes you to any new activity on this content. Use the 'Manage your subscriptions' tool to stop receiving updates.

Got it!

+ Add Observations

Forum

Subscriptions

- Subscribe to a Taxon
- Subscribe to a Place

More

Getting Started Guide

Let us walk you through the main features of this site.

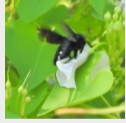
Get Started

Blog widget

Show off your recent observations on your own blog or website!

Learn More

liquidanbar added an identification to an observation by you 09:03 AM




Genus *Xylocopa* Large Carpenter Bees

craighensley | October 6, 2019 | 2

Southside, San Antonio, TX, USA (Google, OSM)

View Observation

liquidanbar added an identification 09:03 AM



Xylocopa mexicanorum (Mexican Carpenter Bee)

Agree?

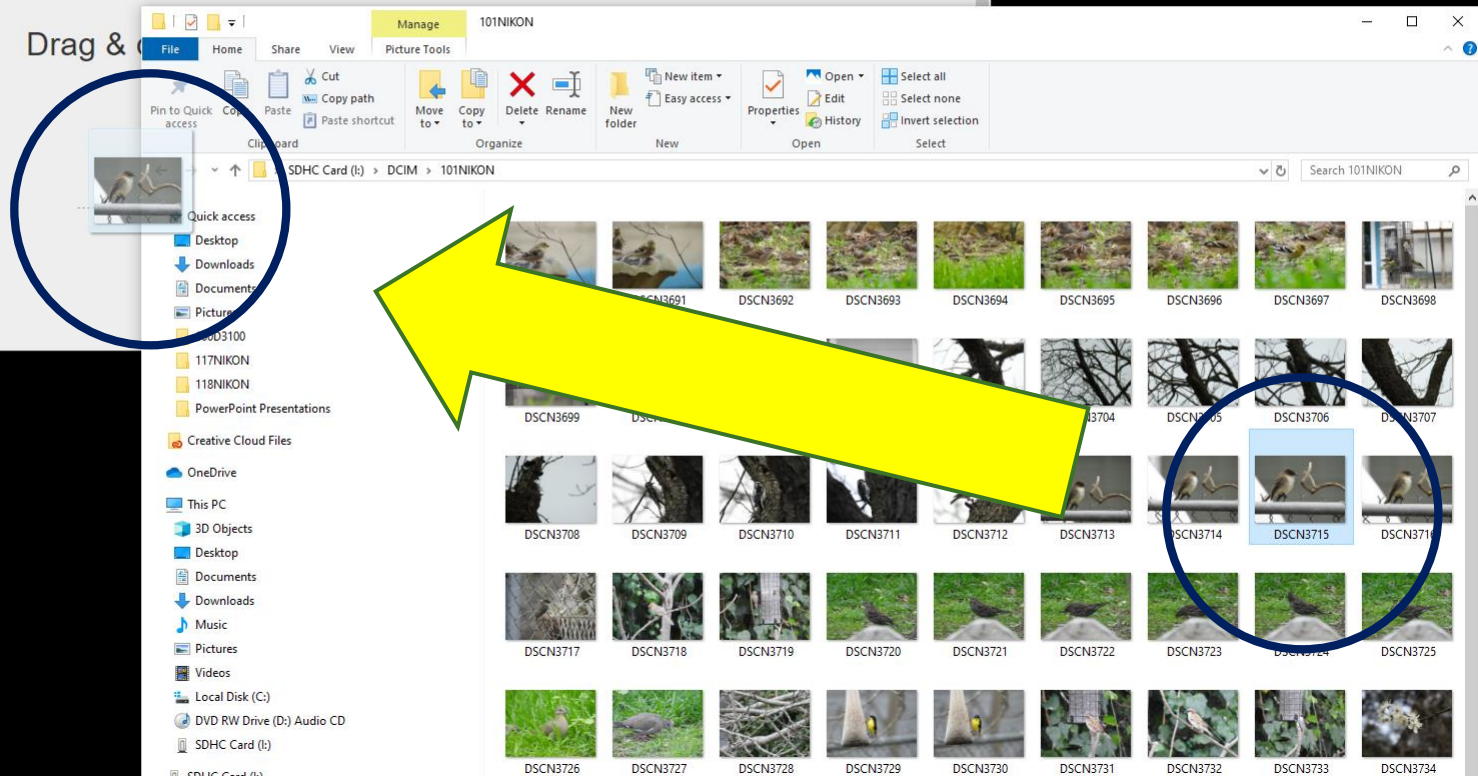
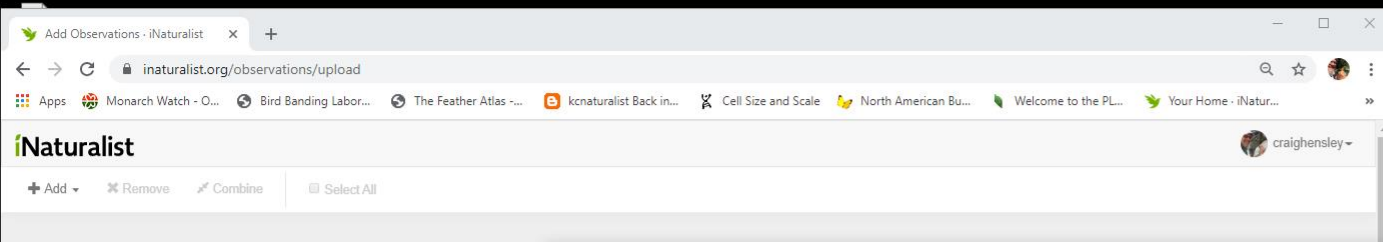


Drag & drop some photos or sounds

or

Choose files

More Import Options





iNaturalist

+ Add ✕ Remove ↗ Combine

Select All

Editing 1 observation:

Details

Species name

2020/02/23 11:48 AM CST

Boerne, TX 78006, USA

Description

Location is public

Captive / Cultivated

Tags

Projects

Fields



Species name

2020/02/23 11:49 AM CS

Boerne, TX 78006, USA

Description



Species name

2020/02/23 11:48 AM CS

Boerne, TX 78006, USA

Description



iNaturalist

+ Add ✕ Remove **Combine** ☑ Select All

Editing 2 observations:

Details

Species name

Edit Multiple Dates

Boerne, TX 78006, USA

Description


Location is public

Captive / Cultivated

Tags

Projects

Fields




Species name

2020/02/23 11:49 AM CST

Boerne, TX 78006, USA

Description



Species name

2020/02/23 11:48 AM CST

Boerne, TX 78006, USA

Description



iNaturalist

+ Add ✕ Remove ✂ Combine Select All

Editing 1 observation:

Details

Species name

2020/02/23 11:49 AM CST

Boerne, TX 78006, USA

Description

Location is public

Captive / Cultivated

Tags

Projects

Fields

Species name

2020/02/23 11:49 AM CS

Boerne, TX 78006, USA

Description



iNaturalist

+ Add ✕ Remove ✎ Combine Select All

Editing 1 observation:

Details

Species name

2020/02/23 11:49 AM CST

Boerne, TX 78006, USA

Description

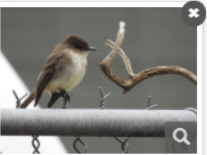
Location is public

Captive / Cultivated

Tags

Projects


Fields











1/2

Species name

We're pretty sure this is in the genus:

-  **Sayornis**
Genus Phoebe [View](#)

Here are our top species suggestions:

-  **Sayornis phoebe**
Eastern Phoebe [View](#)
Visually Similar / Seen Nearby
-  **Myiarchus tuberculifer**
Dusky-capped Flycatcher [View](#)
Visually Similar
-  **Myiarchus magnirostris**
Galápagos Flycatcher [View](#)
Visually Similar
-  **Empidonax traillii**
Willow Flycatcher [View](#)
Visually Similar
-  **Contopus cinereus**
Tropical Pewee [View](#)
Visually Similar
-  **Contopus virens**
Eastern Wood-Pewee [View](#)
Visually Similar
-  **Sayornis nigricans**
Black Phoebe [View](#)
Visually Similar / Seen Nearby
-  **Contopus sordidulus**
Western Wood-Pewee [View](#)
Visually Similar

iNaturalist

+ Add - ✕ Remove

Editing 1 observation:

Details

Sayornis phoebe

2020/02/23 11:49 AM

Boerne, TX 78006, US

Description

Location is public

Captive / Cultivated

Tags

Projects

Fields

Boerne, TX 78006, USA

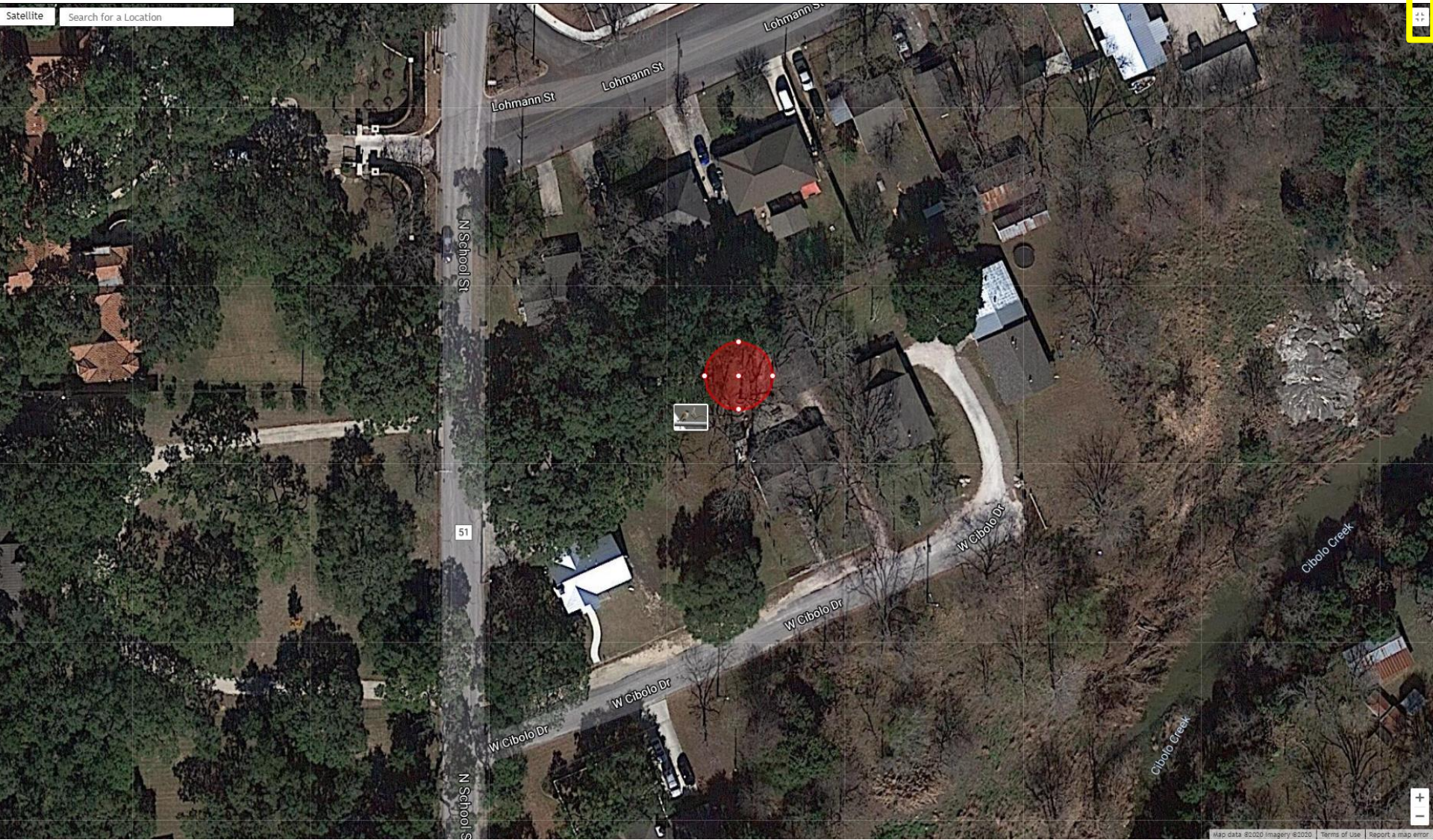
Map Satellite Search for a Location

Google

Latitude	Longitude	Acc (m)	Geoprivacy	Locality notes
<input type="text" value="29.793353333333336"/>	<input type="text" value="-98.737175000000001"/>	<input type="text"/>	<input type="text" value="Open"/>	<input type="text" value="Boerne, TX 78006, USA"/>

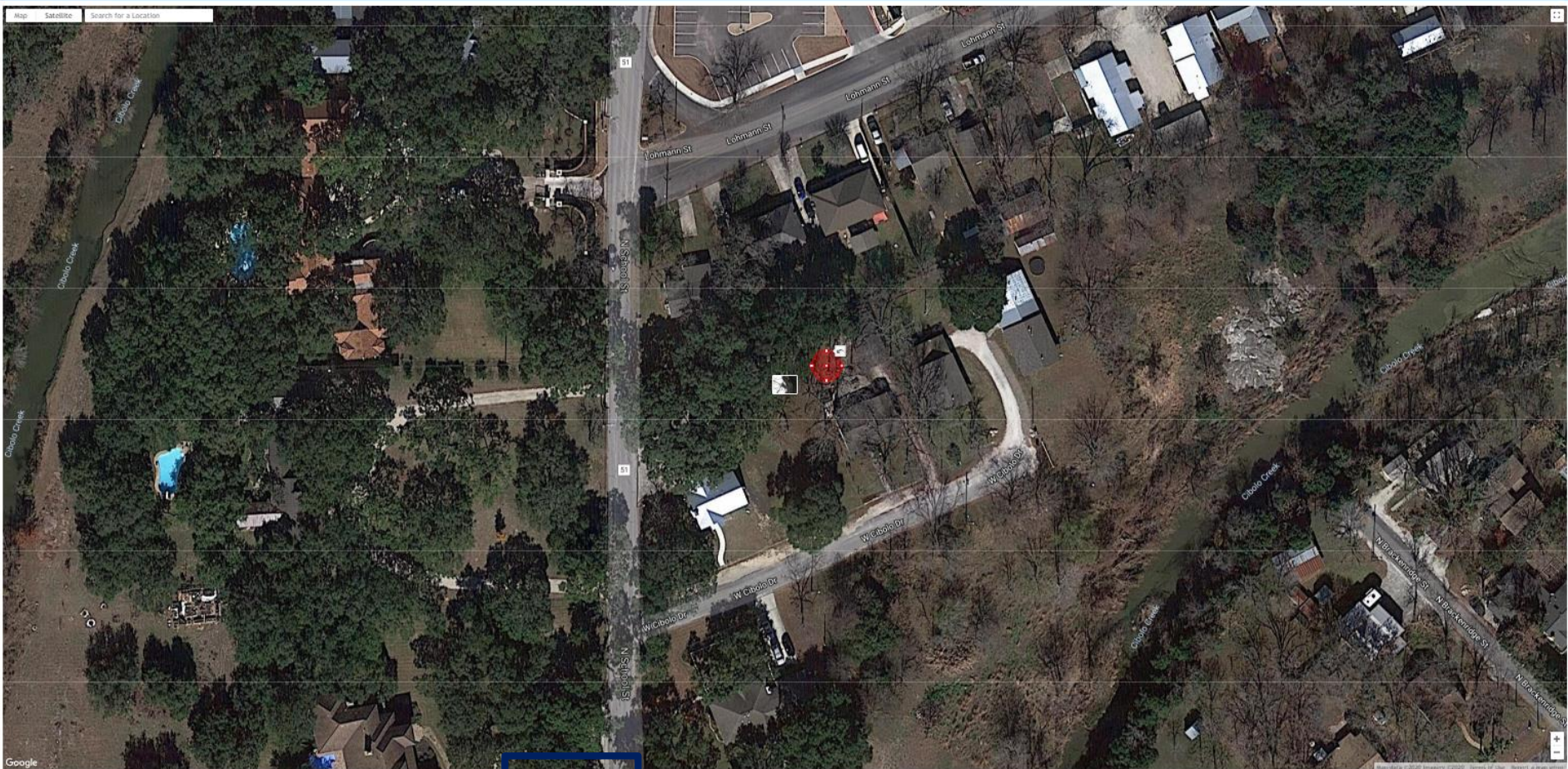
craigh

Submit 1 obser





Boerne, TX 78008, USA



Google

Latitude	Longitude	Aco (m)	Geoprivacy	Locality notes
29.793404226844263	-98.73708336276373	3.813813962666468	Close	Boerne, TX 78006, USA

Cancel Update Observations



iNaturalist

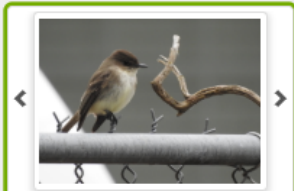
+ Add - Remove Combine Select All

Editing 1 observation:

- Details
- Tags
- Projects

Add to a Project

- All Texas Nature
- Bees and Wasps of Texas
- Beetles of Texas
- Birds of Texas
- Cibolo Nature Center & Farm
- Fishes of Texas
- Freshwater Mussels of Texas
- Herps of Texas
- James Kiehl River Bend Park
- Lepidoptera of Texas
- Loggerhead Shrike Project



1/2
nis phoebe
02/23 11:49 AM CS
e, TX 78006, USA



Browser tabs: Add Observations - iNaturalist, inaturalist.org/observations/upload

Browser address bar: inaturalist.org/observations/upload

Browser extensions: Apps, Monarch Watch - O..., Bird Banding Labor..., The Feather Atlas ..., knaturalist Back in..., Cell Size and Scale, North American Bu..., Welcome to the PL..., Your Home - iNatur..., All Issues - BIOS, Texas Nature Tracke..., Texas Bombus Guid..., Facebook

iNaturalist logo

Navigation: + Add, ✕ Remove, ⚙ Combine, ☑ Select All

User profile: craighensley

Submit 1 observation button

Editing 1 observation:

Details

Sayornis phoebe

2020/02/23 11:49 AM CST

Boerne, TX 78006, USA

Description

Location is public

Captive / Cultivated

Tags

Projects 2

Fields

Open – everyone can see the coordinates

Obscured – coordinates are shown as a random point with 22x22 km area; you, trusted users and trusted project curators can see them

Private – coordinates are completely hidden from public maps; only you can see them along with trusted users and trusted project curators

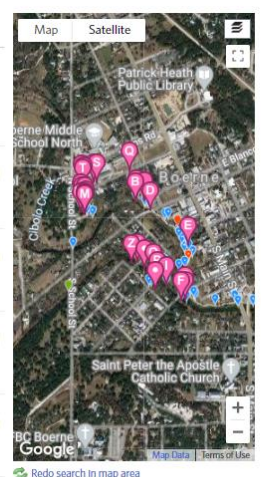


Your Observations

Home Observations Calendar Favorites Lists Journal IDs Projects Profile

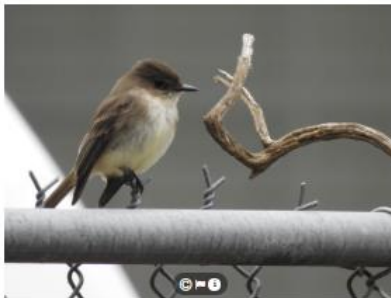
Add Observations Batch edit Search

Photos / Sounds	Species / Taxon Name	Date observed	Place	Date Added	
	Sayornis phoebe Eastern Phoebe	February 23, 2020 11:49 AM CST	Boerne, TX 78006, USA (Google, OSM)	March 30, 2020 01:59 PM CDT	Needs ID Edit View »
2 photos »					
	Vireo griseus White-eyed Vireo	March 29, 2020 09:54 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:26 PM CDT	2 IDs Research Grade Edit View »
	Poliopftila caerulea Blue-gray Gnatcatcher	March 29, 2020 09:55 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:26 PM CDT	1 ID Research Grade Edit View »
	Sayornis phoebe Eastern Phoebe	March 29, 2020 09:58 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:26 PM CDT	2 IDs Research Grade Edit View »
	Thryothorus ludovicianus Carolina Wren	March 29, 2020 10:05 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:25 PM CDT	2 IDs Research Grade Edit View »
	Dendrocygna autumnalis Black-bellied Whistling-Duck	March 29, 2020 10:14 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:25 PM CDT	2 IDs Research Grade Edit View »
	Podilymbus podiceps Pied-billed Grebe	March 29, 2020 10:14 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:25 PM CDT	2 IDs Research Grade Edit View »
	Podilymbus podiceps Pied-billed Grebe	March 29, 2020 10:14 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:25 PM CDT	2 IDs Research Grade Edit View »
	Setophaga americana Northern Parula	March 29, 2020 10:19 AM CDT	Boerne, TX 78006, USA (Google, OSM)	March 29, 2020 04:25 PM CDT	1 ID Research Grade Edit View »



Sayornis phoebe (Eastern Phoebe) Research Guide

Edit



craighensley
906 observations

Observed: Feb 23, 2020 - 11:49 AM CST
Submitted: Mar 30, 2020 - 1:59 PM CDT



Be the first to love this observation!

Activity

craighensley suggested an ID Improving Train

Sayornis phoebe
Eastern Phoebe Compare

deseribinder49 suggested an ID Is

Sayornis phoebe
Eastern Phoebe

Comment Suggest an Identification

Leave a comment

Done

Mark As Reviewed

Community Taxon

What's this?

Sayornis phoebe (Eastern Phoebe)

Cumulative ID: 2 of 2

Agree Compare About

Annotations

Attribute	Value	Agree	Disagree
Life Stage	Select -		
Alive or Dead	Select -		
Sex	Select -		

Projects (4)

- Add to a Project
- birds of Texas
 - Cibolo Cottage
 - All Texas Nature
 - Birds of Texas

Tags

Observation Fields

Choose a field



For Young Users

Introducing SEEK by iNaturalist





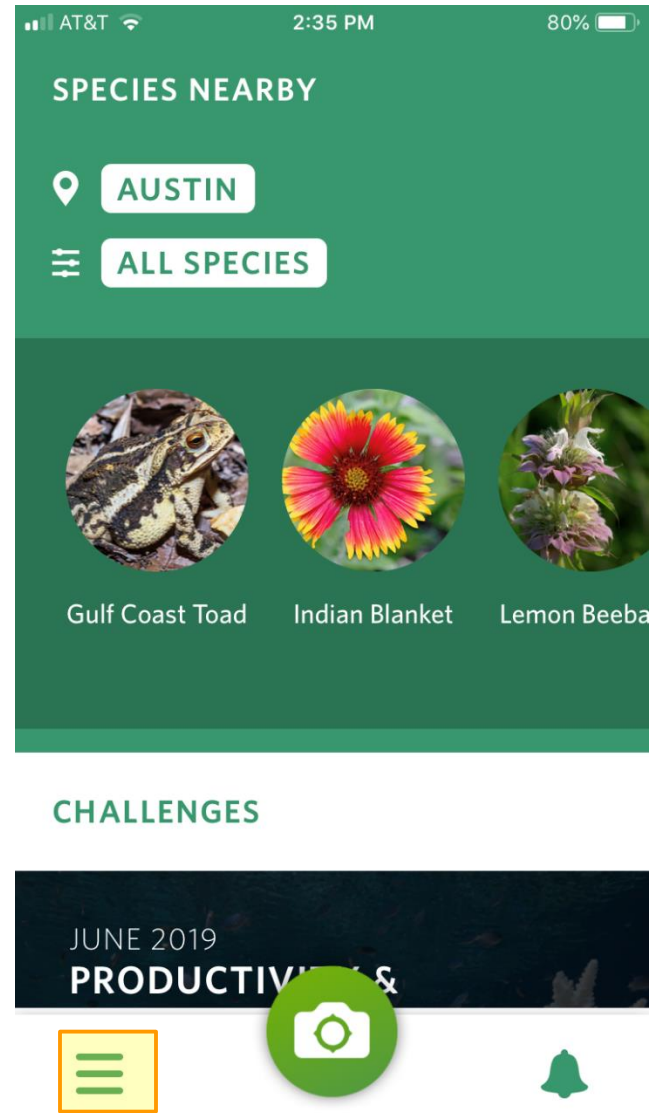
Backyard Wilderness presents:

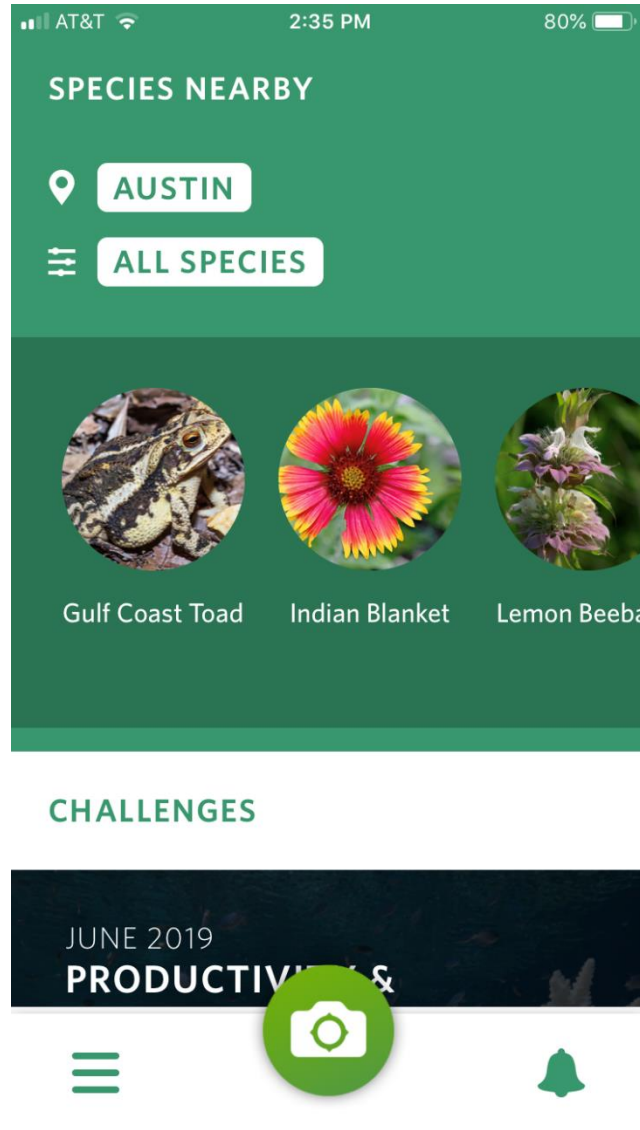
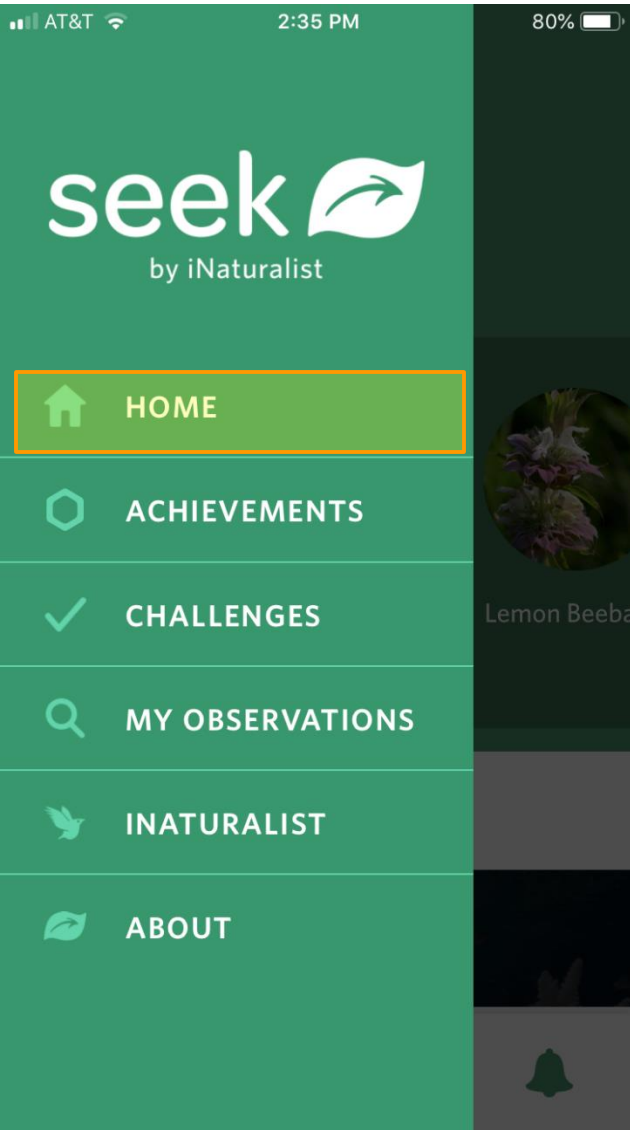
Seek 
by iNaturalist



Take your nature knowledge up a notch with Seek! Seek encourages outdoor exploration and learning by harnessing image recognition technology to help you identify plants and animals from your photos. Choose from a list of nearby plants, animals, and fungi and collect photographs of as many species as you can!

- **Earn badges** as you photograph new species.
- **Become more engaged** with the wildlife around you.
- **Learn cool facts** about the critters and plants that live right in your own backyard wilderness.








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SPECIES NEARBY

AUSTIN


ALL SPECIES



Gulf Coast Toad




Indian Blanket



Lemon Beebalm


CHALLENGES

JUNE 2019
PRODUCTIVITY &




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IDENTIFY THIS PHOTO?



IDENTIFY PHOTO

AT&T 2:36 PM 80%




YOU OBSERVED A NEW SPECIES!

Yellow-billed Cuckoo

It's been added to your observations.
Learn more about this species here:

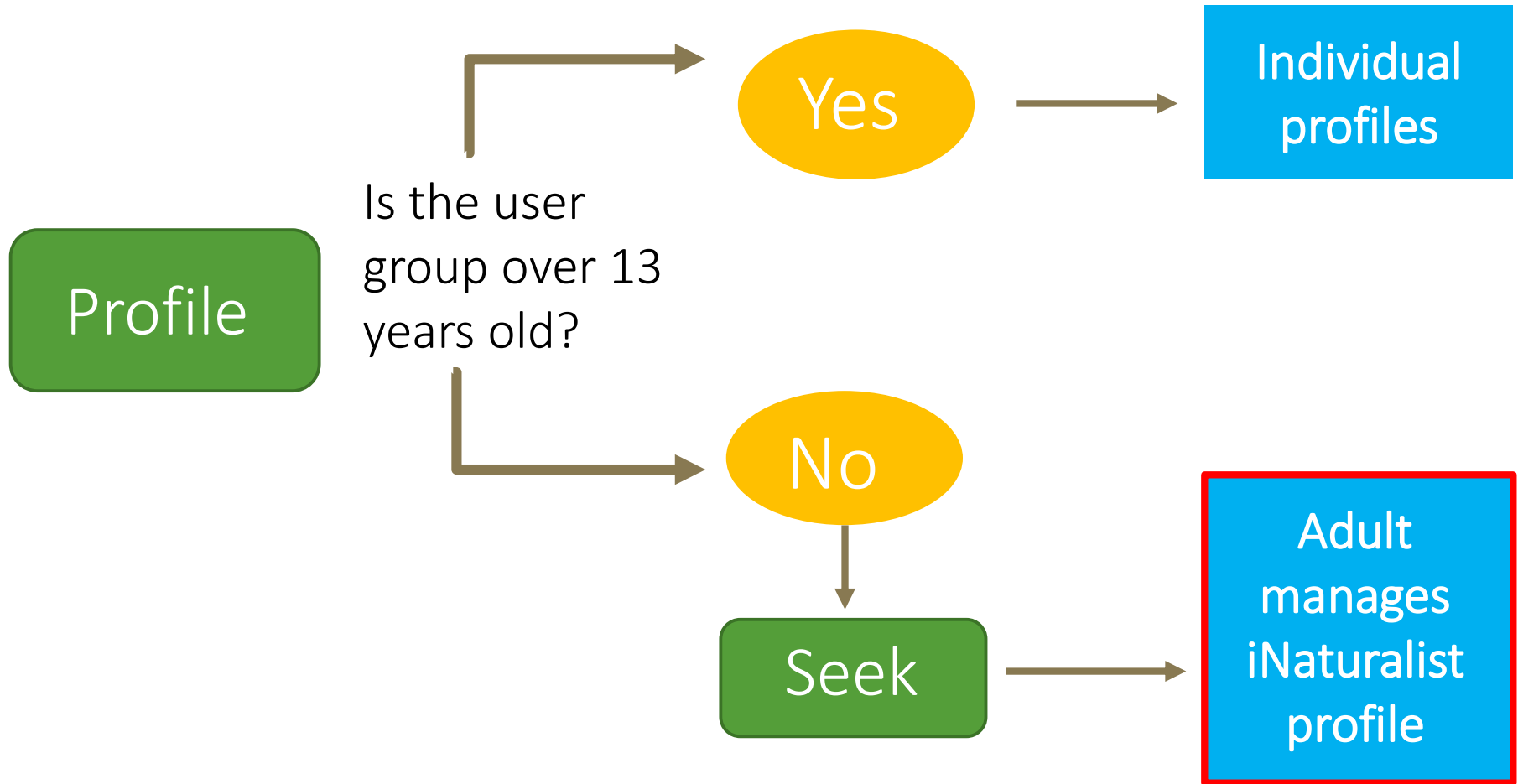
[VIEW SPECIES](#)

[Back to Camera](#)





iNaturalist Profile Options



And...Finally...





What iNaturalist Does and Doesn't Do

- iNaturalist measures **species richness**
- Does not measure population numbers/health
- Does not measure absence
- **The phone app is simply a data collection tool**
- To really explore and benefit from iNaturalist – go to the web page – really!



iNaturalist Help Guide

- At the bottom of the iNaturalist pages, click on **Help**
 - Tutorials and “how-to” articles
 - Teacher’s Guide
 - BioBlitz Guide
 - Community Guidelines

Help

Help

Getting Started

Video Tutorials

Community Guidelines

Curator Guide

Managing Projects

Bioblitz Guide

Teacher’s Guide

Help us Translate

Howdy. If you're just getting started with iNat, check out the [Getting Started](#) guide to tour some of the site's features. If you have a question about the site, please peruse the FAQ below. **If you're still looking for answers, please email Support at help@inaturalist.org or post your question to our [Community Forum](#).**

Frequently Asked Questions

General

1. What is iNaturalist?
2. Who is behind iNaturalist?
3. What technologies and data sources does the project use?
4. What can I do to help iNaturalist?
5. How do I contact iNaturalist?
6. What are staff, curators, and site admins?
7. What is considered inappropriate content?
8. Spam! What do I do about it?
9. Do you have any brochures I can print out?

Observations

1. What is an observation?
2. What is an identification?
3. Why doesn't iNaturalist recognize the name I've entered?
4. How can I get help identifying what I saw?
5. What does it mean to link iNaturalist to my Flickr account?
6. Can I add photos without a Flickr account?
7. What are tags, observation fields, and annotations?
8. Can I include my iNat observations on my own website or blog?
9. What kind of photos should I attach to observations? Can I attach photos I didn't take?
10. Can I add multiple taxa per observation? What if my photo has a flower AND a cool bug?
11. What is geoprivacy?
12. What does it mean for an observation to be obscured?
13. What is the data quality assessment and how do observations qualify to become "research" grade?
14. Why is my observation not showing up in a Place or Collection project? I know I observed it there.
15. How do I add sounds?
16. What do the map symbols mean?
17. What does captive / cultivated mean?
18. I identified my observation after someone else added a higher-level ID, so why is the observation stuck with the higher level ID?
19. Why do people keep adding "obvious" IDs like "Plants" or "Fungi"?
20. Can I use the photos that are posted on iNaturalist?
21. Can I upload videos to iNaturalist?
22. I don't agree with iNaturalist's taxonomy. Do I have to follow it when I add an ID?

Computer Vision

1. What is computer vision?
2. Which taxa are included in the computer vision suggestions?
3. Why can't computer vision identify my photo correctly?

The logo for the City Nature Challenge 2020 is a large, circular emblem. It features a vibrant green background with a white silhouette of a city skyline. The skyline is composed of various rectangular shapes of different heights, representing buildings. Interspersed among the buildings are various green silhouettes of nature, including trees, bushes, and a small insect. The text 'City Nature Challenge 2020' is written in a clean, white, sans-serif font across the center of the emblem.

**City
Nature
Challenge
2020**

**Save the
Date!**

**April 24-27,
2020**

Questions?



Alan Vernon, Flickr Creative Commons

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