



# Dallas-Fort Worth



The City Nature Challenge is a global, city-scale BioBlitz event that frames an urban biodiversity survey as a friendly competition between cities.



**Harris's Sparrow**, Tommy Farquhar, iNaturalist, CCBY-NC

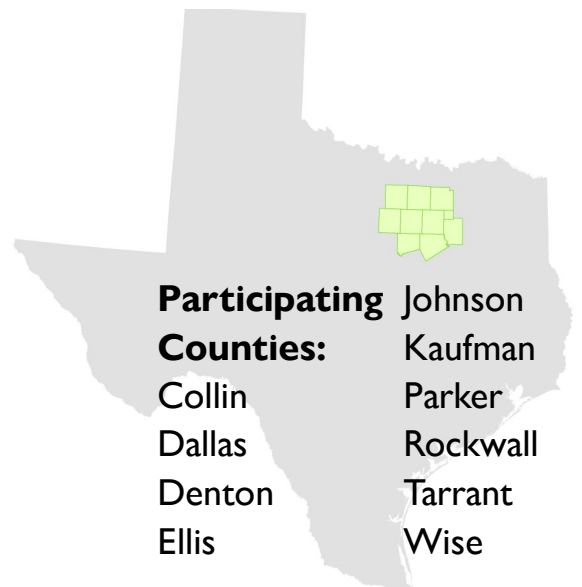


**Strecker's chorus frog**, corynorris, iNaturalist, CCBY-NC

**Data collection**  
**April 26-29**  
**Identifications**  
**Apr 30-May 6**

## DFW by the numbers:

- 10 counties
- More than 36,000 observations
- More than 2,600 species recorded
- More than 1,000 observers
- More than 830 identifiers
- Over 97% of observations were verifiable



**Participating Counties:** Johnson  
Kaufman  
Collin  
Parker  
Dallas  
Rockwall  
Denton  
Tarrant  
Ellis  
Wise

## DFW in the Global Rankings out of 159 Cities:

|                                       |                                                    |                                  |                         |
|---------------------------------------|----------------------------------------------------|----------------------------------|-------------------------|
| <b>Overall:</b>                       | <b>Metros of Pop. &gt;5mil:</b>                    | <b>Metros of &gt;20k sq. km:</b> | <b>US &amp; Canada:</b> |
| 7th: Num. Observations                | 3rd: Num. Observations                             | 2nd: Num. Observations           | 3rd: Num. Observations  |
| 9th: Num. Species                     | 5th: Num. Observers                                | 3rd: Num. Species                | 5th: Num. Species       |
| 10th: Num. Observers                  |                                                    | 2nd: Num. Observers              |                         |
| 3rd: Num. Research Grade Observations | <b>Warm Temperate Zone:</b> 5th: Num. Observations |                                  |                         |

The City Nature Challenge is organized by the Natural History Museum of Los Angeles County and the California Academy of Sciences. More information at [citynaturechallenge.org](http://citynaturechallenge.org)

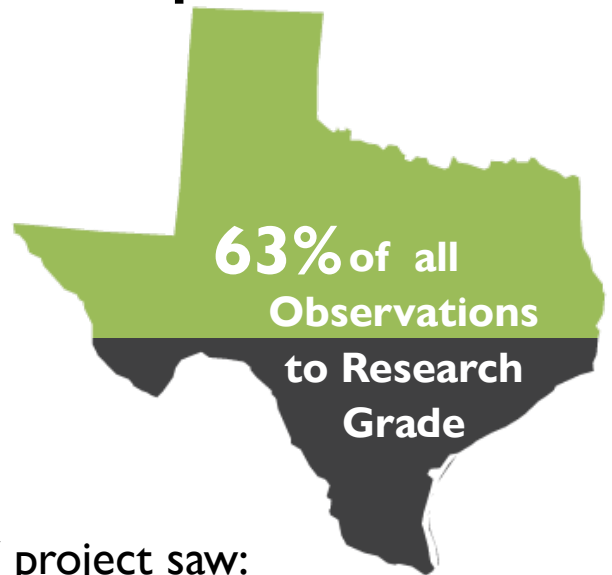


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TEXAS  
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## Cumulative Impact

**63% of the observations** recorded during the City Nature Challenge in the DFW metro area 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.



During the 4 days of the event, the DFW project saw:

- 50 Species of Greatest Conservation Need at Research Grade (see list)
- 200 new species records in iNaturalist
- 8% increase in iNaturalist observations for the DFW metro counties
- Project page: <https://www.inaturalist.org/projects/city-nature-challenge-2019-dallas-fort-worth>

### Spotlight: Engelmann's Bladderpod

The City Nature Challenge uncovered a previously unknown population of a rare Texas plant, the Engelmann's bladderpod (*Physaria engelmannii*), in Dallas County. Kim Taylor, a rare plant botanist at the Botanical Research Institute of Texas, identified iNaturalist user tadamcochran's observation as Engelmann's bladderpod. Found from Southern Oklahoma to Central Texas in limestone prairies, this plant historically occurred in several areas in Dallas but only one population was believed to remain in the county. This record is significant for the conservation of this rare species.



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## Species of Greatest Conservation Need

Recorded to Research Grade

- American Bumble Bee, *Bombus pensylvanicus*  
American Kestrel, *Falco sparverius*  
American White Pelican, *Pelecanus erythrorhynchos*  
Bald Eagle, *Haliaeetus leucocephalus*  
Bewick's Wren, *Thryomanes bewickii*  
Black-tailed Prairie Dog, *Cynomys ludovicianus*  
Carolina Chickadee, *Poecile carolinensis*  
Comanche harvester ant, *Pogonomyrmex comanche*  
Comanche Peak Prairie Clover, *Dalea reverchonii*  
Common Box Turtle, *Terrapene carolina*  
Common Slider, *Trachemys scripta*  
Common Snapping Turtle, *Chelydra serpentina*  
Common Yellowthroat, *Geothlypis trichas*  
Dickcissel, *Spiza americana*  
Eastern Meadowlark, *Sturnella magna*  
Engelmann's Bladderpod, *Physaria engelmannii*  
Forster's Tern, *Sterna forsteri*  
Franklin's Gull, *Leucophaeus pipixcan*  
Glen Rose Yucca, *Yucca necopina*  
Grasshopper Sparrow, *Ammodramus savannarum*  
Green Heron, *Butorides virescens*  
Harris's Sparrow, *Zonotrichia querula*  
Lark Sparrow, *Chondestes grammacus*  
Least Bittern, *Ixobrychus exilis*  
Little Blue Heron, *Egretta caerulea*  
Loggerhead Shrike, *Lanius ludovicianus*  
Mississippi Kite, *Ictinia mississippiensis*  
North American River Otter, *Lontra canadensis*  
Northern Bobwhite, *Colinus virginianus*  
Orchard Oriole, *Icterus spurius*  
Painted Bunting, *Passerina ciris*  
Pileated Woodpecker, *Dryocopus pileatus*  
Plateau Milkvine, *Matelea edwardsensis*  
Prothonotary Warbler, *Protonotaria citrea*  
Red-eared Slider, *Trachemys scripta elegans*  
Red-headed Woodpecker, *Melanerpes erythrocephalus*  
Red-shouldered Hawk, *Buteo lineatus*  
Scissor-tailed Flycatcher, *Tyrannus forficatus*  
Snowy Egret, *Egretta thula*  
Spiny Softshell Turtle, *Apalone spinifera*  
Strecker's Chorus Frog, *Pseudacris streckeri*  
Summer Tanager, *Piranga rubra*  
Swainson's Hawk, *Buteo swainsoni*  
Tall Dodder, *Cuscuta exaltata*  
Texas Blind Snake, *Rena dulcis*  
Texas Garter Snake, *Thamnophis sirtalis annectens*  
Three-toed Box Turtle, *Terrapene carolina riunguis*  
Timber Rattlesnake, *Crotalus horridus*  
Western Diamondback Rattlesnake, *Crotalus atrox*  
Woodhouse's Toad, *Anaxyrus woodhousii*

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