

# Sparrow Swap In Review

## Thank You!

Sparrow Swap couldn't have been possible for the last few years without the help of citizen scientists like you. We would like to thank everyone who contributed by sending ideas, eggs, and observations from 2015-2019. **Sparrow Swap will no longer be asking for eggs or data in 2020.** We are wrapping the project up and hope to get results to you soon! Meanwhile, here is a sneak peak!

## The Final Count



84

Participants



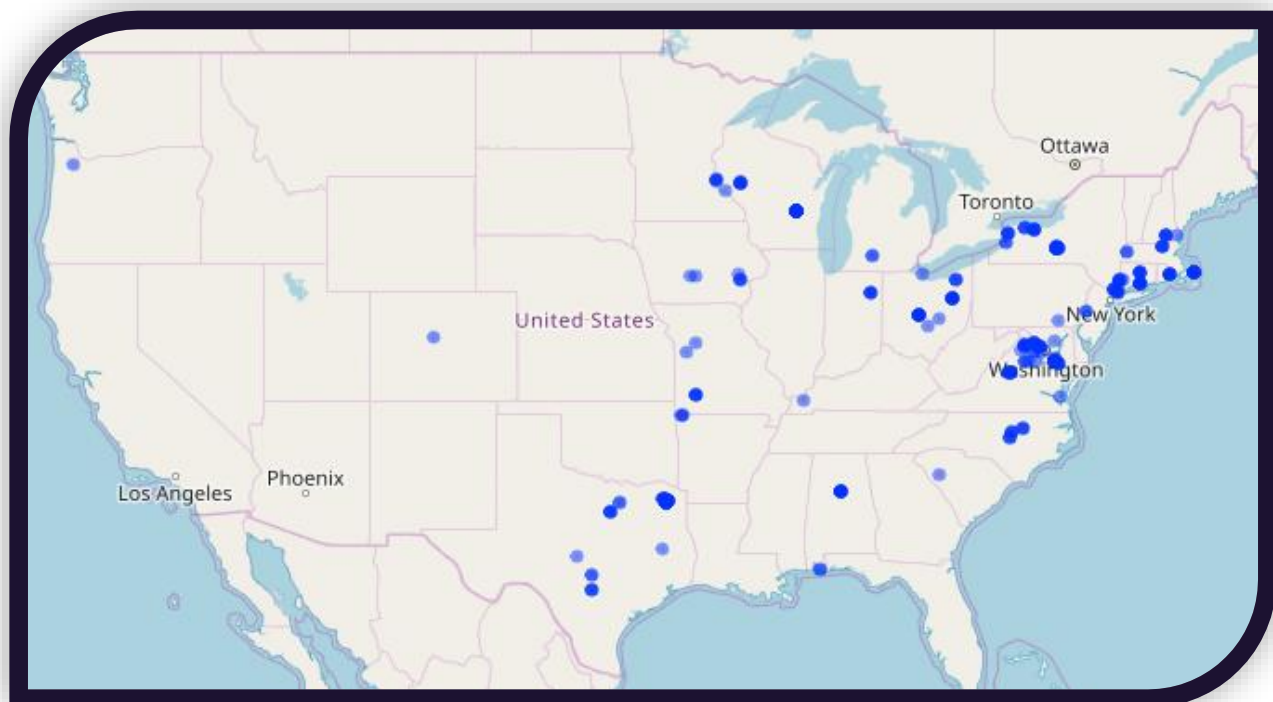
536

Clutches



2182

Eggs



Locations of Sparrow Swappers across the United States

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## Management Goals:

One of our main research questions was to determine if swapping House Sparrow eggs with wooden replicas could be an effective management strategy. To determine this we asked two basic questions:



**Question #1:** What are the outcomes after Swaps and Removals?

**A.** We found the common outcome after **both** swap and removal is that a **House Sparrow will nest** in the nestbox

**Question #2:** Does swapping delay a House Sparrow from nesting?

**A.** We found that swapping did **delay House Sparrows from nesting** by about ten days.

## Heavy Metal Monitoring Goals:

Our second research goal was to determine if we could use the color and patterning of the eggs as indicators of contaminants in the environment. We did find heavy metals in the eggs but not at any levels to be alarming. We found that color and speckling varied a lot but did not find many predictable patterns between color and metals. We tested the eggs for the following metals:



**As** Arsenic

**Pb** Lead

**Cd** Cadmium

**Cu** Copper

**Se** Selenium