



# Community Data Collection Initiative: Box Turtles

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## Methods

- *Subjects:* Three neighborhoods in Bay County, FL.
- *Setting:* Community members collect data throughout the neighborhood.
- *Sessions:* Total sightings reported are gathered at the end of each calendar month.

## Procedures

- *Baseline:* Measured by the number of turtle sightings reported before flyers are distributed to neighbors. Each neighborhood is used as a separate baseline.
- *Intervention:* Flyer distribution will be systematically staggered across neighborhoods.
- *Design:* Multi-Baseline design across neighborhoods.

**Turtle Sightings** – Defined as each box turtle observation reported to the Bay County Box Turtle Project.

## Purpose

To determine an effective vehicle to increase data collection by community members to aid in larger demographic data collection on the local box turtle population.

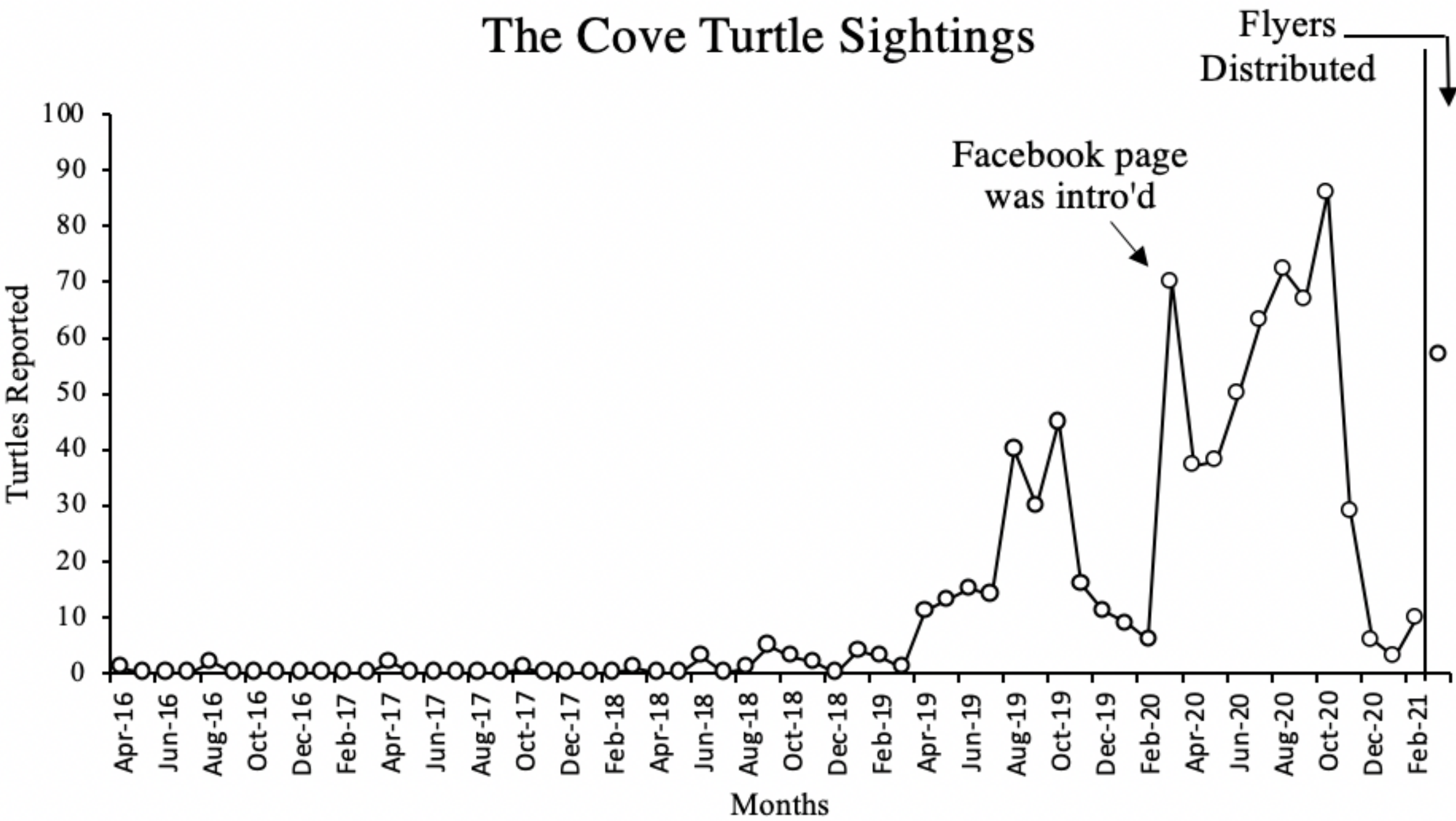
## Discussion

Baseline data show an increase in data collection in one neighborhood prior to the introduction of the first formal intervention, flyer distribution. Steady levels of data collection have been observed in the other neighborhoods.

Time	College Poir	The Cove	Time	College Poir	The Cove
12:00 AM			11:30 AM		
12:30 AM			12:00 PM		
1:00 AM			12:30 PM		
1:30 AM			1:00 PM		
2:00 AM			1:30 PM		
2:30 AM			2:00 PM		
3:00 AM			2:30 PM		
3:30 AM			3:00 PM		
4:00 AM			3:30 PM		
4:30 AM			4:00 PM		
5:00 AM			4:30 PM		
5:30 AM			5:00 PM		
6:00 AM			5:30 PM		
6:30 AM			6:00 PM		
7:00 AM			6:30 PM		
7:30 AM			7:00 PM		
8:00 AM			7:30 PM		
8:30 AM			8:00 PM		
9:00 AM			8:30 PM		
9:30 AM			9:00 PM		
10:00 AM			9:30 PM		
10:30 AM			10:00 PM		
11:00 AM			10:30 PM		

Figure 1: The scatterplots above depict the cumulative number of box turtles sighted within each half hour. College Pointe is the left column. and The Cove is the right column.

The Cove Turtle Sightings



College Pointe Turtle Sightings

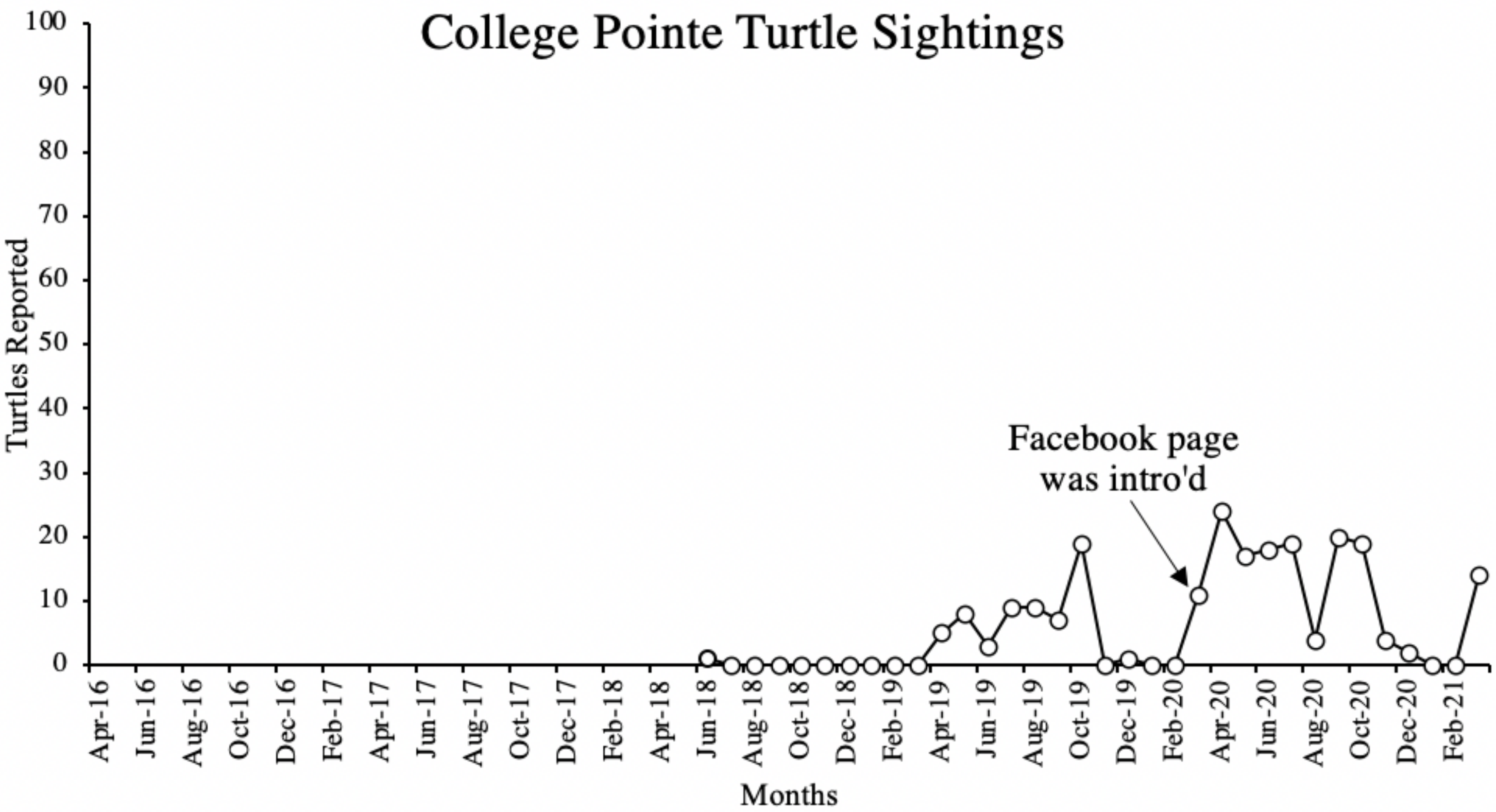


Figure 2: The panel above depicts the number of turtle sightings reported each month for The Cove (top graph) and College Pointe (bottom graph). The third neighborhood graph was excluded due to a lack of extensive baseline data.