

Long Island, NY Camera Project Update

PRESENTED BY SHELBY CASAS & MATTHEW BAUER



AMOY on Long Island

- Audubon NY monitoring sporadically since 2014
- Low nesting success across AMOY sites
- Major Concerns
 - Low Productivity
 - Increase in predators and predation of nearby nesting species
- Continued outreach and reducing human-caused disturbances



American Oystercatcher. Photo:Brady Kahner/ Audubon

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Sites

- Jones Beach
 - Since 2021- low nest hatching and productivity success
 - No successful hatched nest till 2024
- Tobay Beach
- Town of Hempstead
 - Large number of pairs
 - Multiple species nesting



Field Staff Photo, Shelby Casas/ Audubon

2023-2024 Season

- Met with NYC Bird Alliance and Audubon CT team
- Piloted two Cameras on Jones Beach
- First successful hatching on Jones Beach and Tobay beach in 4 years



American Oystercatcher Chick. Photo: Field Camera



2025 Season

- Secured funding in 2024 for staff and equipment
- **Main Objective:** Record causes of nest loss to aid in future predator management.
- **Second Objective:** Observe human interaction in nesting area



2025 Season

- Monitoring from April to August
- Cameras: April 18th- July 2nd
- 24 Cameras across three sites
 - 10 Jones Beach
 - 13 Town of Hempstead
 - 1 Tobay Beach (Town of Oyster Bay)
- Triggered and Time lapse photos



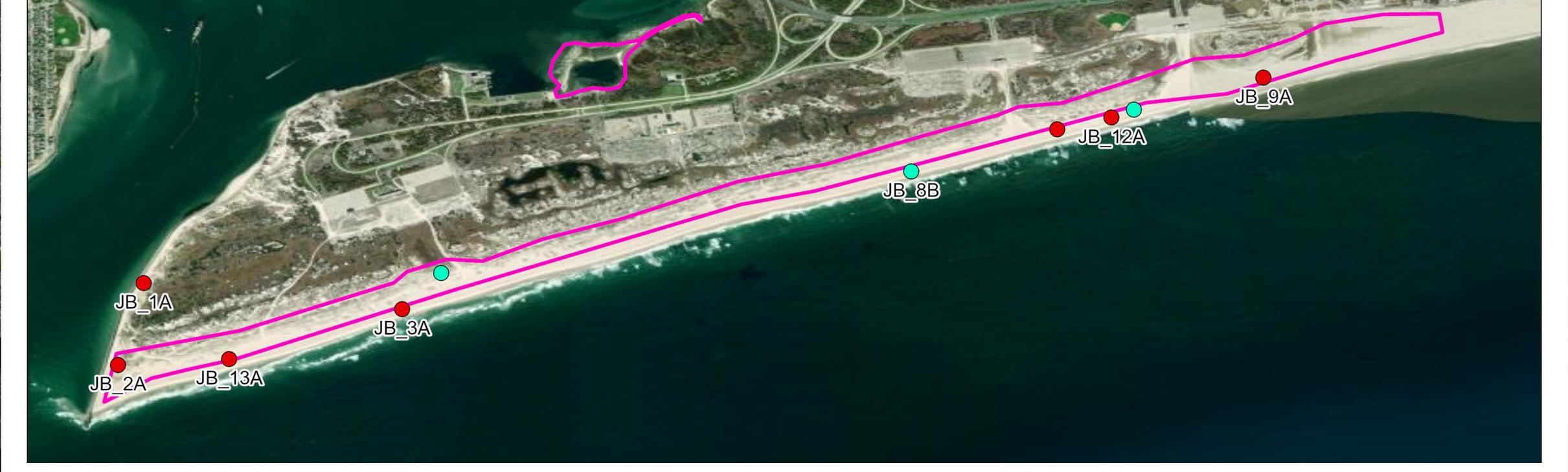
Camera Placement for 2025

- Location
- Jones
 - Tobay
 - Town of Hempstead



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Oystercatcher Nesting Cameras on LI

Summary Details Identify **999+** Catalogued Uploads

Subprojects ▾

Camera deployments (2) ▾

Taxonomies (1) ▾

Taggers ▾

Status: All ▾

Bursts: 0 sec

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100 ▾ per page



Photos and Tagging

- Wildlife Insights
- Good for organization
- Identification ability is limited



Preliminary Results

- Nest Fate
 - 9 Hatched
 - 15 Failed
- Major Predators Recorded
 - Cats & foxes
- For a few pairs we saw repeated interactions before predation

Cat. Photo: Field Camera

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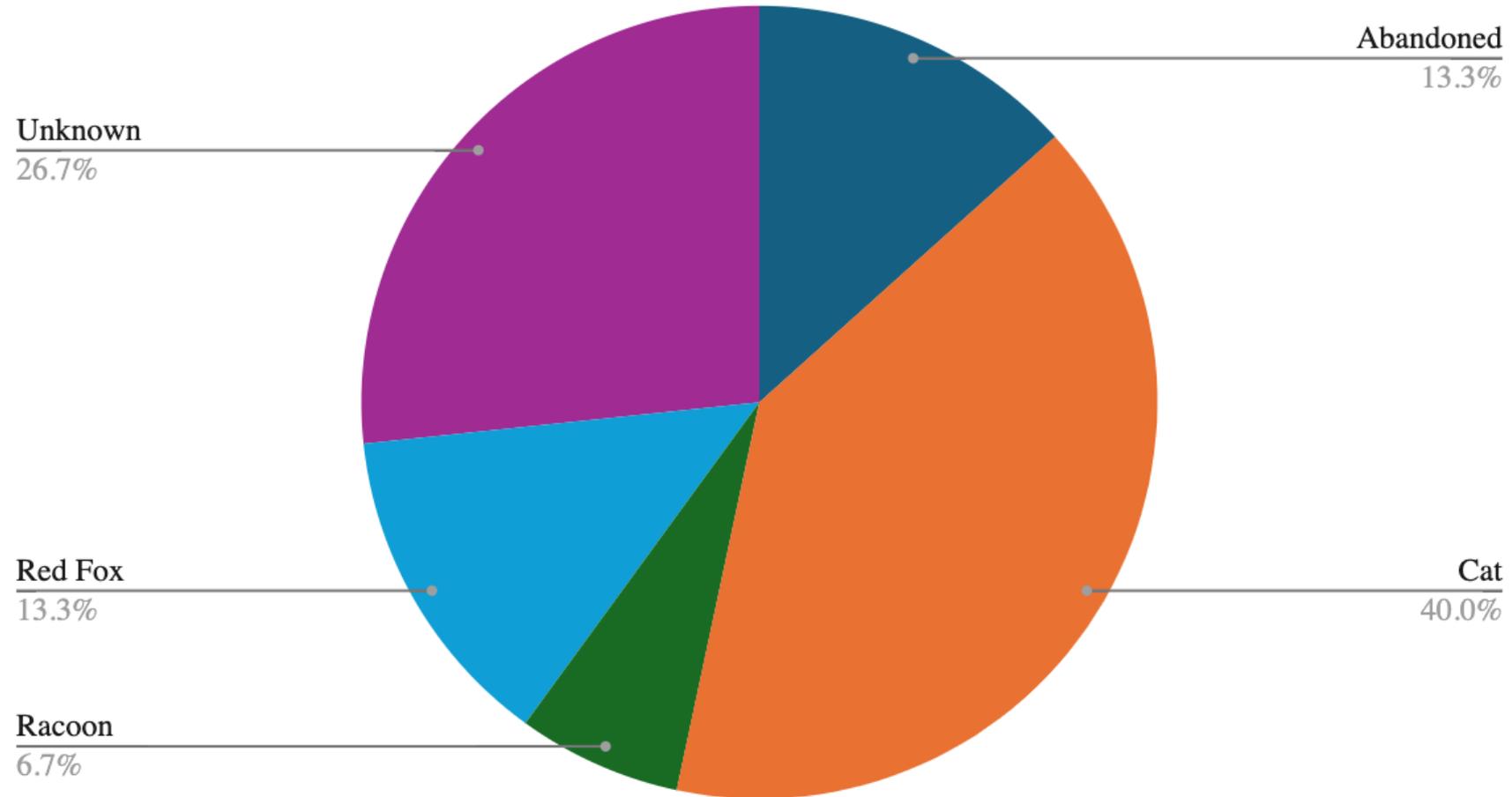


Dog Walker. Photo: Field Camera

Preliminary Results

- Nest Fate
 - 9 Hatched
 - 15 Failed
- Major Predators Recorded
 - Cats & foxes
- For a few pairs we saw repeated interactions before predation
- Helped to observe human caused disturbance in nesting areas

Results: Fate of Nests



Jones Beach

- **2024**
 - 8 pairs
 - 4 chicks
 - 3 fledges
- **2025**
 - 16 pairs
 - 13 chicks
 - 7 fledges



American Oystercatcher Fledgling. Photo. Matthew Bauer

What went well

- New Cameras
- Deployment Settings
- No stolen or damage cameras
- Most pairs showed no evidence of disturbance camera



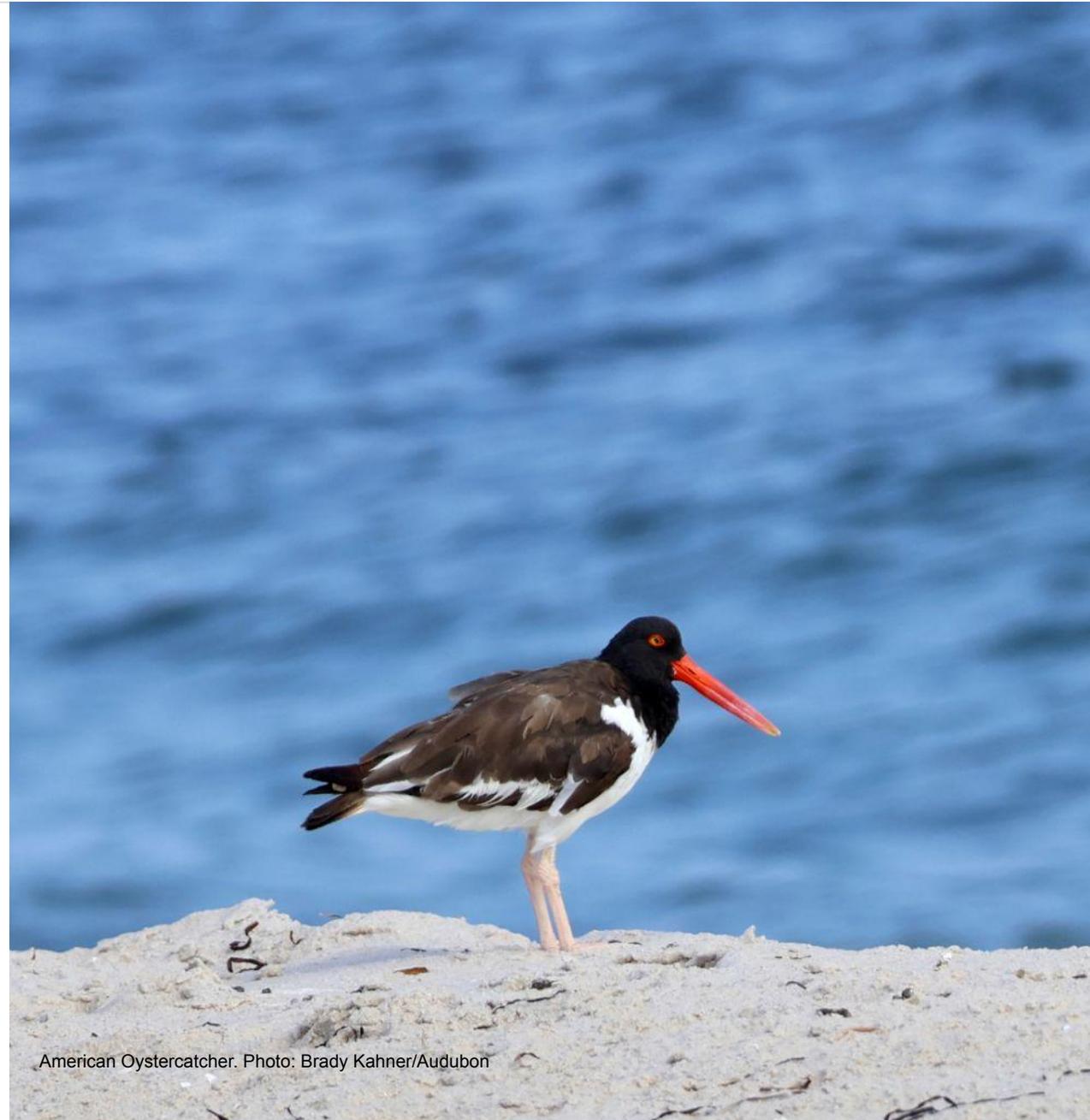
American Oystercatcher Chick. Photo. Matthew Bauer/ Audubon

Lesson Learned

- Fog / weather issues
- Sensitivity issues small predators
- Limited resources and staff
- Quick nest lost
- Reduced viable nests due to plover territories

Next Year and Beyond

- Two years of funding project expanding adding additional sites
- Adding the GPS compete for foraging
- Evaluate changes in incubation and nest attendance before and after repeated disturbance events
- Working VT and research to expand this analysis to showcase the effect that repeated disturbance have on nesting birds
- Working with Land managers to assist in predator management



American Oystercatcher. Photo: Brady Kahner/Audubon

Shout out

- Staff
- Partners
- Funders
- Volunteers



Field Staff. Photo: Shelby Casas/Audubon



Question?

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