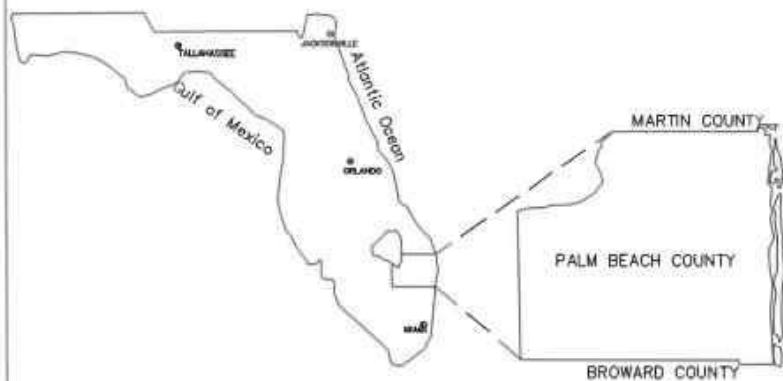


The Lake Worth Lagoon Oystercatchers



Palm Beach County, Department
of Environmental Resources Management

Lake Worth Lagoon



DATE	BY
Scale: AS NOTED Approved: Date: 000 Checked: DM Date: 000	



Title: LAKE WORTH LAGOON	Location and Vicinity Map
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Sheet: 1	of 1
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PALM BEACH COUNTY
 DEPARTMENT OF
 ENVIRONMENTAL RESOURCES MANAGEMENT
 1500 N. Jog Road, 4th Floor
 West Palm Beach, Florida
 (561) 235-2400

Snook Islands



US Army Corps
of Engineers ®





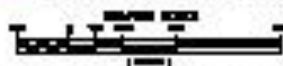
Project Goals:

- Protect existing mangrove fringe
- Remove shoreline armor
- Stabilize eroding shoreline by creating a new vegetated shoreline



LEGEND

- 8 FT HIGH ECHOLE
- 4 FT HIGH ECHOLE
- 8 FT HIGH ECHOLE
- 8 FT HIGH ECHOLE
- 8 FT HIGH ECHOLE
- LANDSCAPE PLANTING AREA (OLD AREA)
- RELANDSCAPED PLANTING AREA (OLD AREA)
- OTHER BEST AREA (OLD AREA)
- PLANTING PLANTING AREA (OLD AREA)



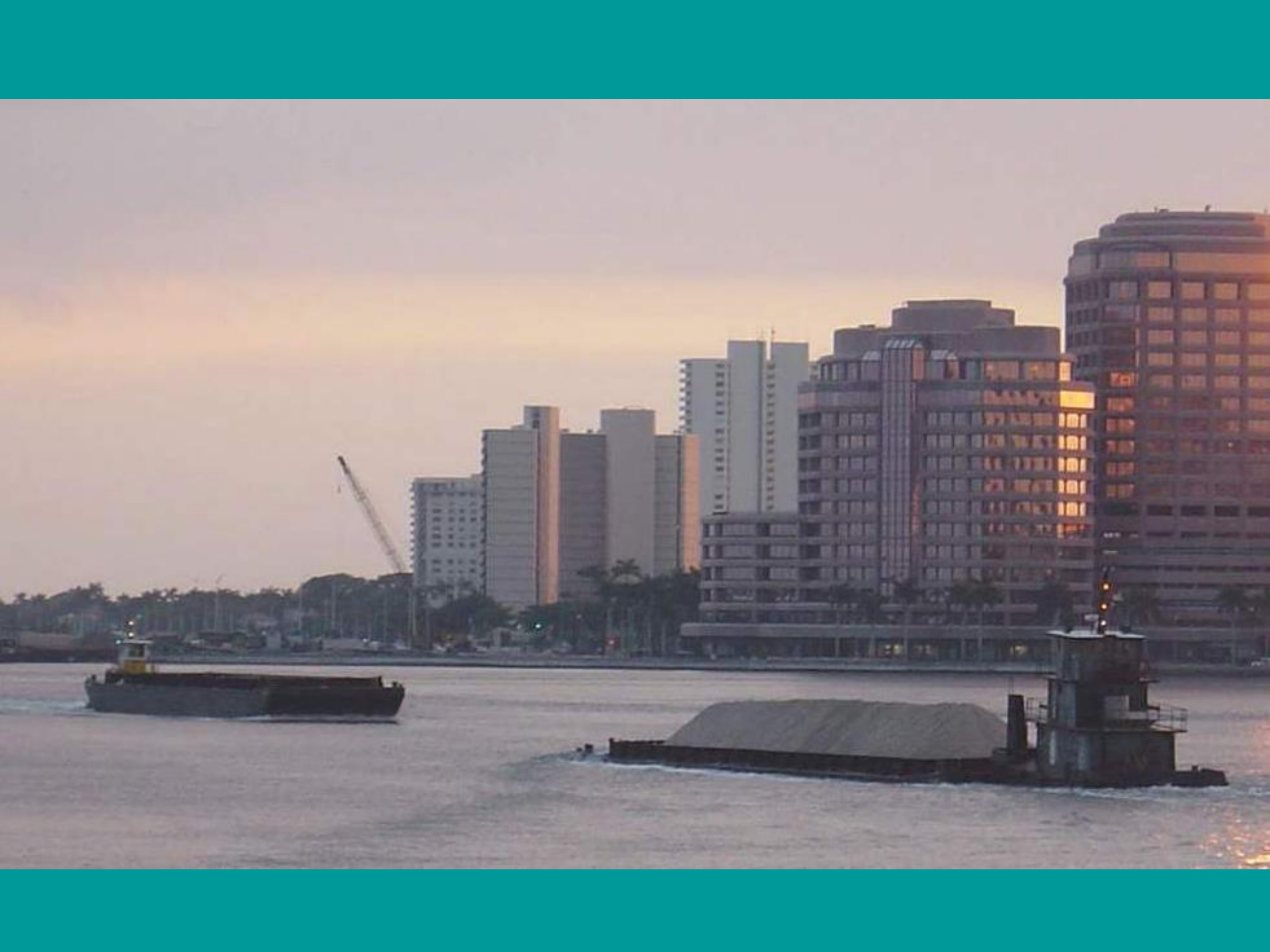
Peanut Island













J.E.McAMIS



Lake Worth

Print #40113104
Date:01/13/04

 Aerial Photography, Inc. 954-568-0484







J.E. McAMIS



Lake Worth

Print #40709102
Date: 07/09/04



Aerial Photography, Inc. 954-568-0484











2005



2008



08.01.2008 10:20



Before (Looking West)



Seawall Location

After (Looking south)

2005



2006



08-01-2006 10:12

2006

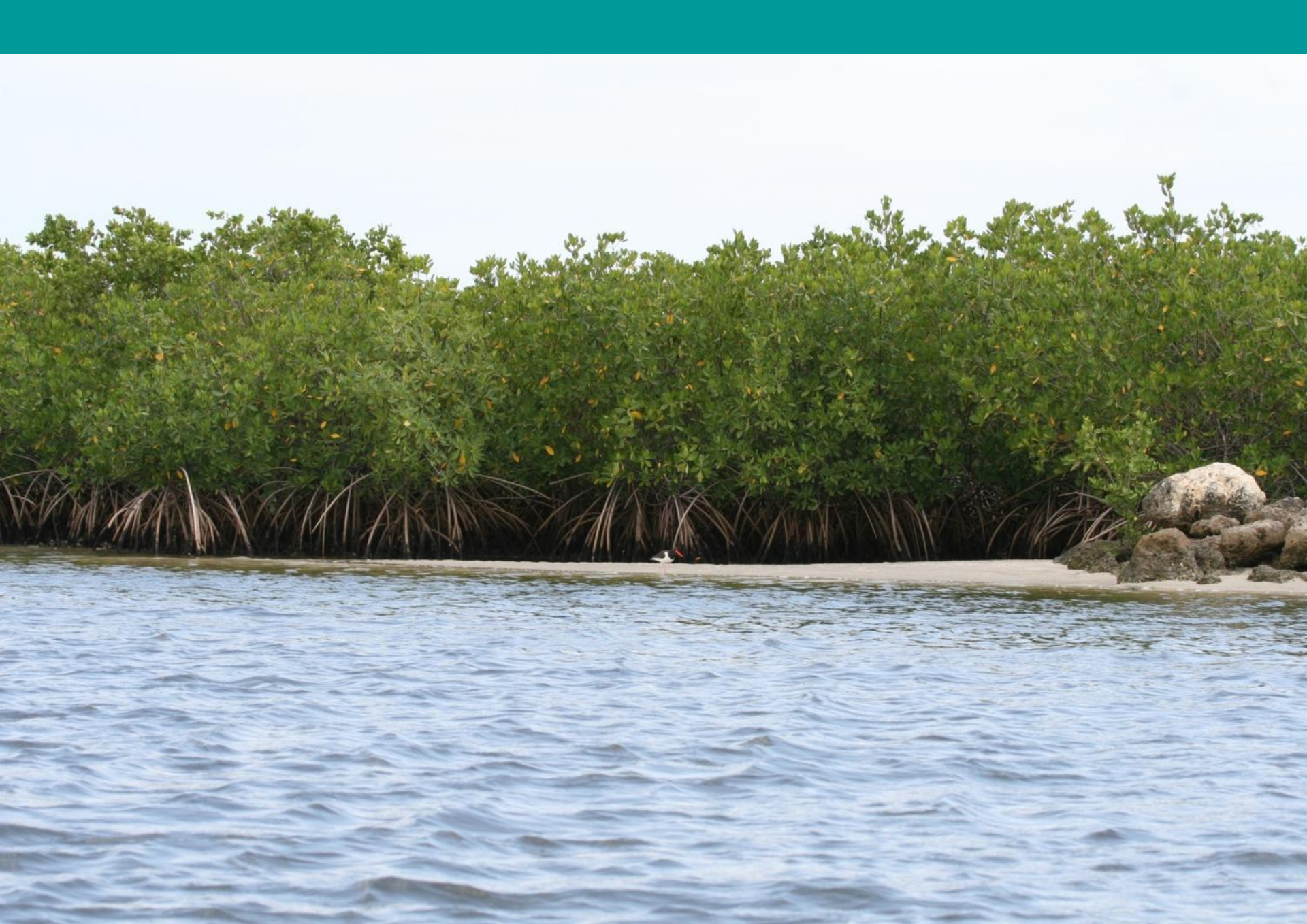


2015





2015





Original Snook Islands AMOY Pair
Riprap Nest Location

2005-2009 Riprap Nest Location

Riprap nest location





Success on Riprap 2005-2009

3 Fledged Chicks

- 2005 - Three eggs in June, No chicks seen
- 2006 - Clutch 1: Three eggs in April, No chicks seen
Clutch 2: Two eggs in June, No Chicks seen
- 2007 - 1 Chick in July, successfully fledged.
- 2008 - 1 Chick in June, successfully fledged.
- 2009 – 1 Chick in June, successfully fledged.



Original Pair Beach Nest Location

2010-2011 Nest Location



Success on Beach 2010-2011

2 Fledged chicks

2010 - Two eggs in April, Two chicks hatch, one fledged.

2011 - Two eggs in March, Two chicks hatch, one fledged.



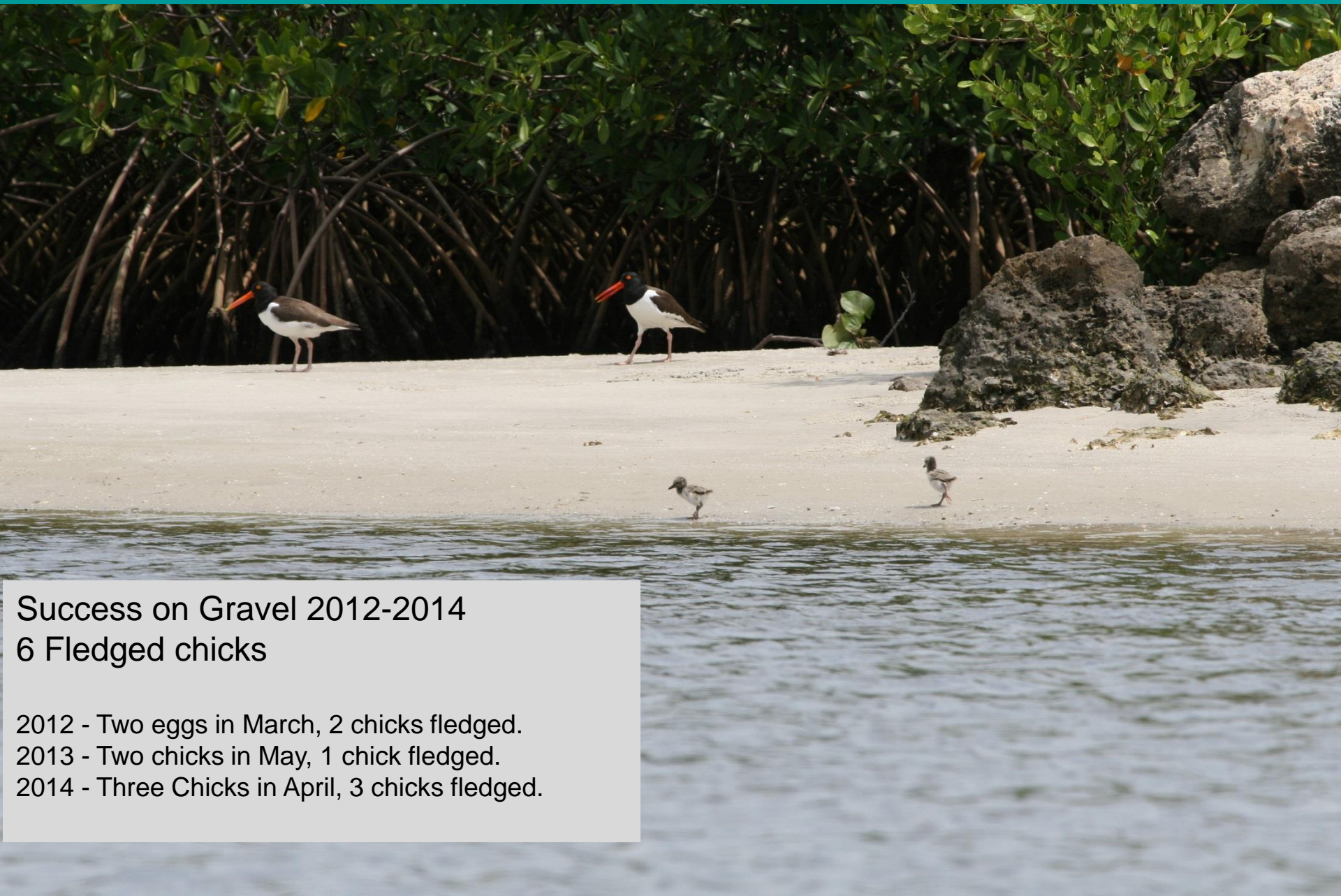
Gravel Bank Nest Location

2012-2014 Gravel Bank Nest Location



Gravel Bank Nest
2012-2014





Success on Gravel 2012-2014

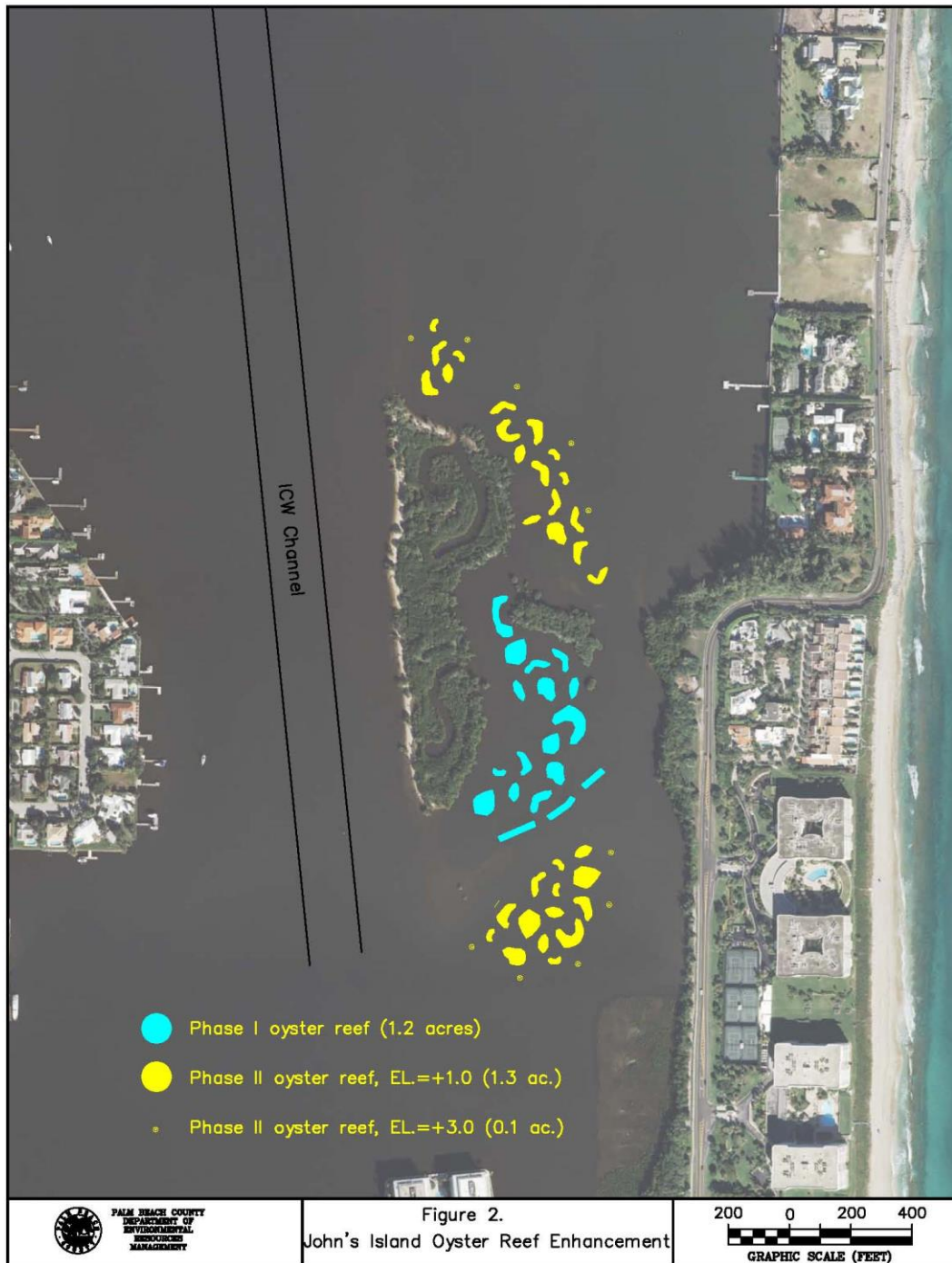
6 Fledged chicks

2012 - Two eggs in March, 2 chicks fledged.
2013 - Two chicks in May, 1 chick fledged.
2014 - Three Chicks in April, 3 chicks fledged.

John's Island Oyster Reef Project

Phase I constructed 2009

Phase II constructed 2013







**Oyster Reef Habitat
Construction Project**

Please Do Not Disturb PVC Stakes

Palm Beach County
Environmental Resources Management

Town of Palm Beach









John's Island Constructed Reefs







Write a description for your map.

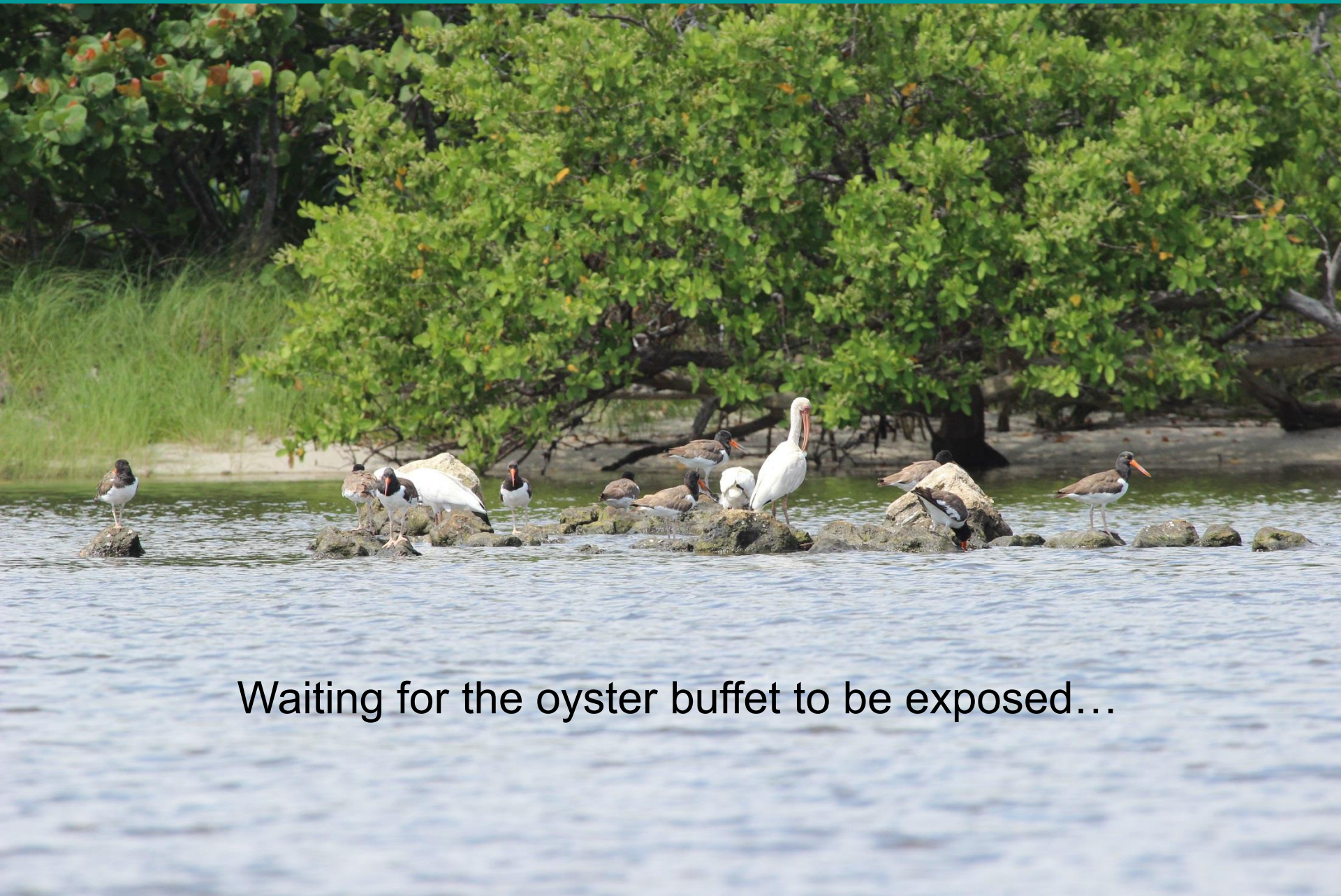
Write a description for your map.

Untitled Path



Pods

©2018 Google



Waiting for the oyster buffet to be exposed...

A photograph of a coastal area. In the foreground, there is a body of water on the right and a sandy, rocky shoreline on the left. A large, dark, curved rock formation extends from the shore into the water. In the background, there is a large, multi-story building with many windows, possibly a hotel or apartment complex. There are some trees and a fence in front of the building. The sky is overcast.

Ibis Isle 2011

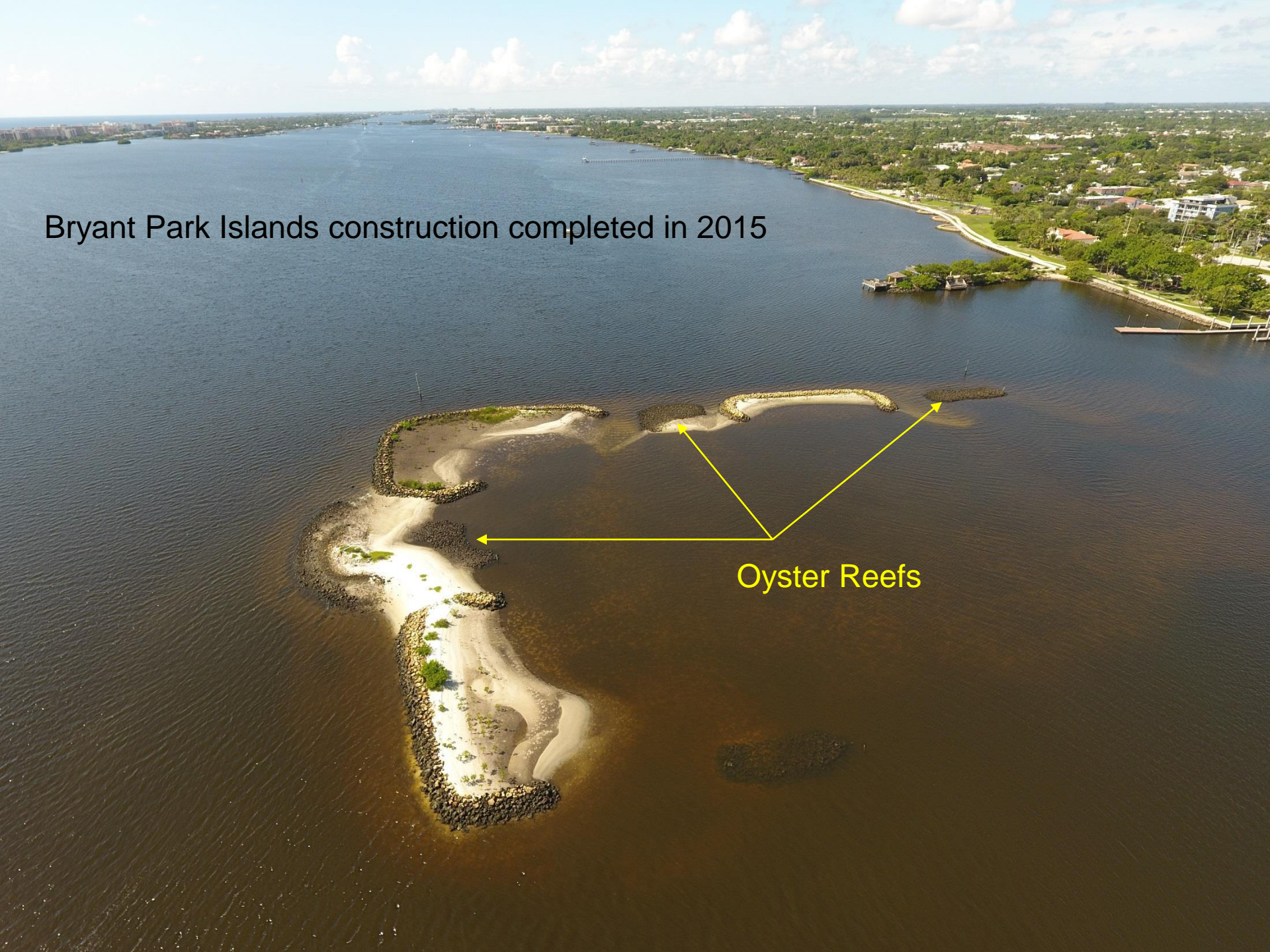
Small 3"-6" rock could be used to mimic a shell rake.

Ibis Isle



Bryant Park Islands construction completed in 2015

Oyster Reefs



April, 2014

2nd AMOY pair nest in the middle of active construction at Bryant Park











Bryant Park Wetlands

Nesting Mound

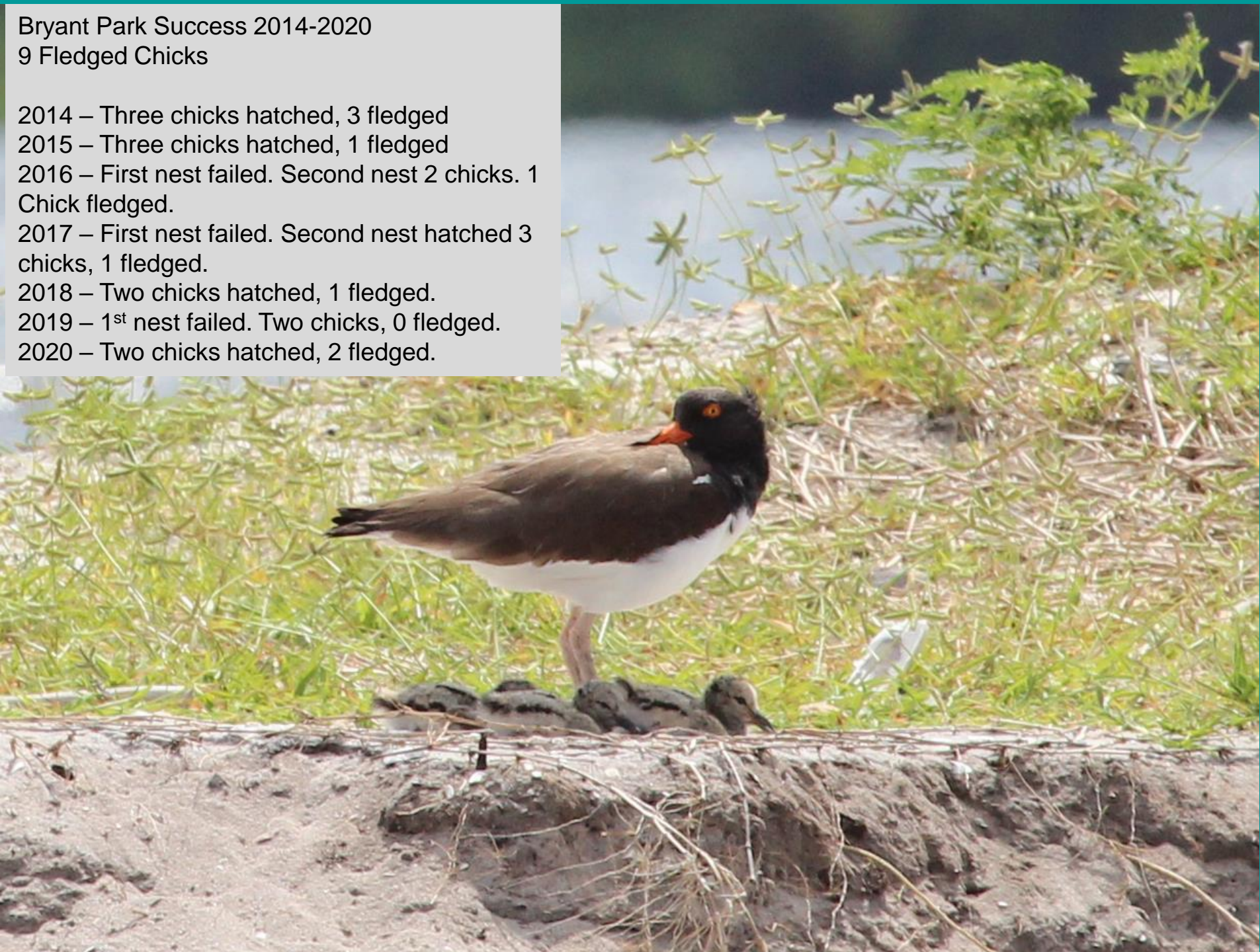




Bryant Park Success 2014-2020

9 Fledged Chicks

2014 – Three chicks hatched, 3 fledged
2015 – Three chicks hatched, 1 fledged
2016 – First nest failed. Second nest 2 chicks. 1 Chick fledged.
2017 – First nest failed. Second nest hatched 3 chicks, 1 fledged.
2018 – Two chicks hatched, 1 fledged.
2019 – 1st nest failed. Two chicks, 0 fledged.
2020 – Two chicks hatched, 2 fledged.

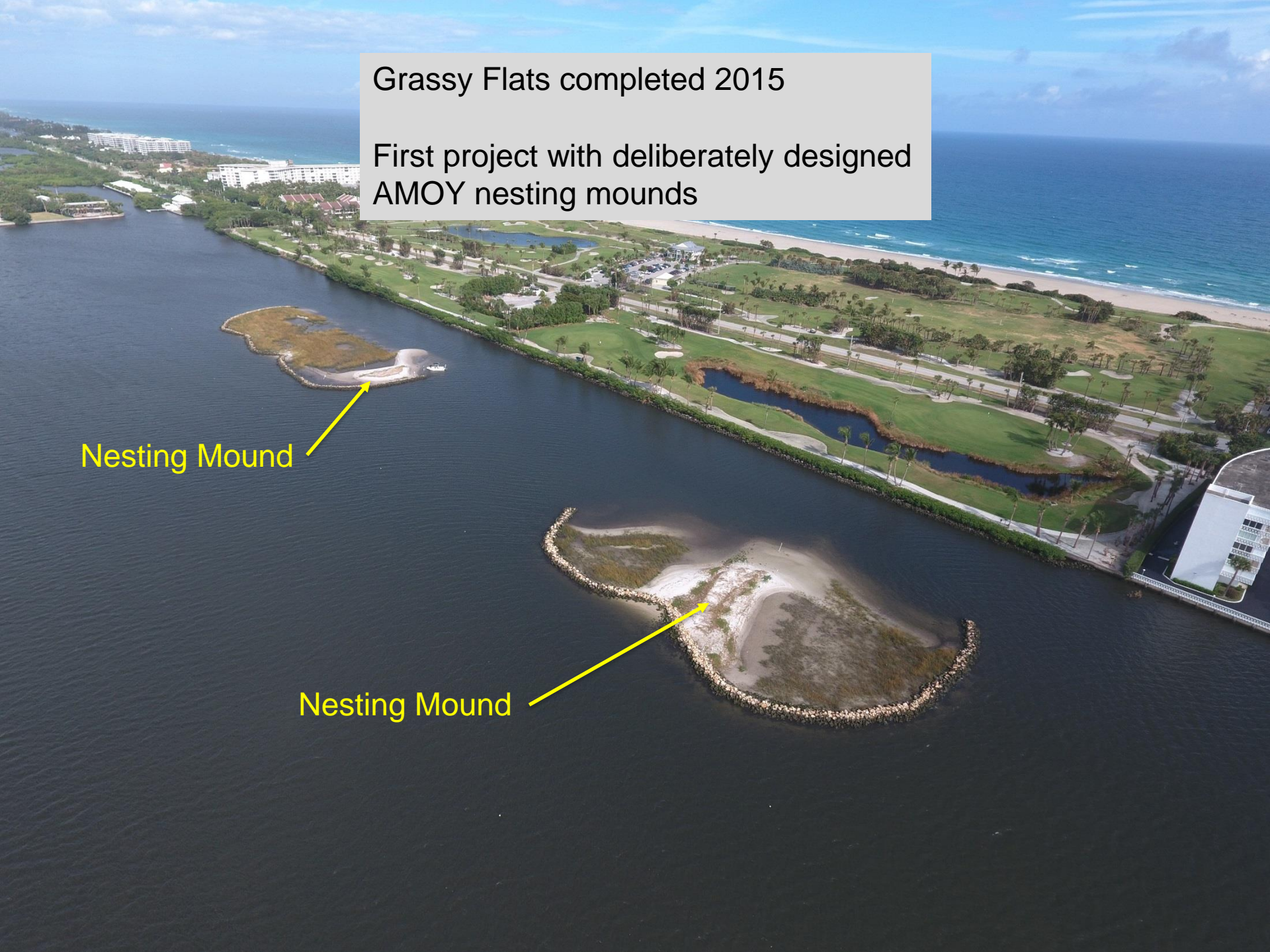


Grassy Flats completed 2015

First project with deliberately designed
AMOY nesting mounds

Nesting Mound

Nesting Mound



Snook Birds Relocate to Grassy Flats 2015

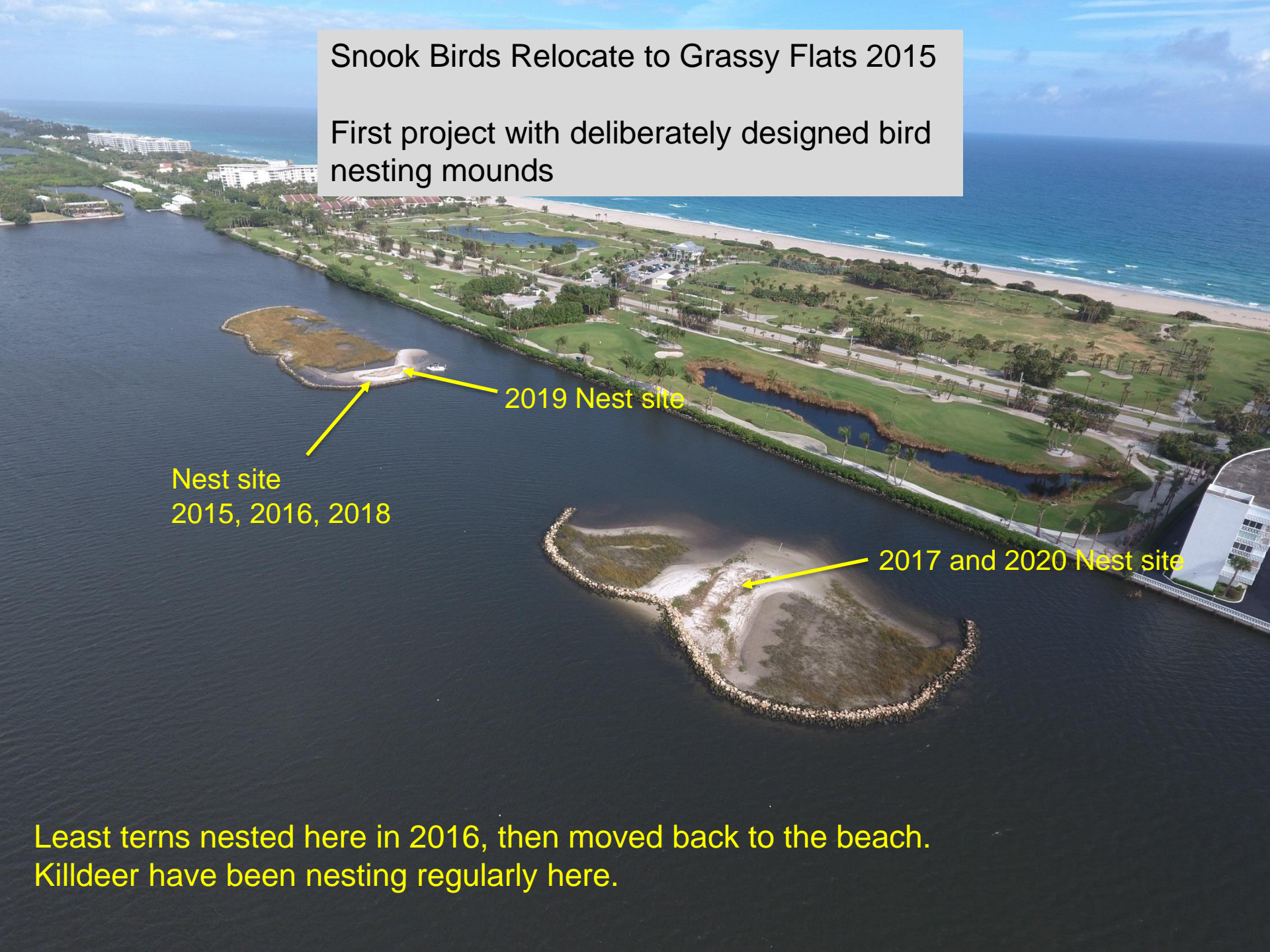
First project with deliberately designed bird nesting mounds

Nest site
2015, 2016, 2018

2019 Nest site

2017 and 2020 Nest site

Least terns nested here in 2016, then moved back to the beach.
Killdeer have been nesting regularly here.

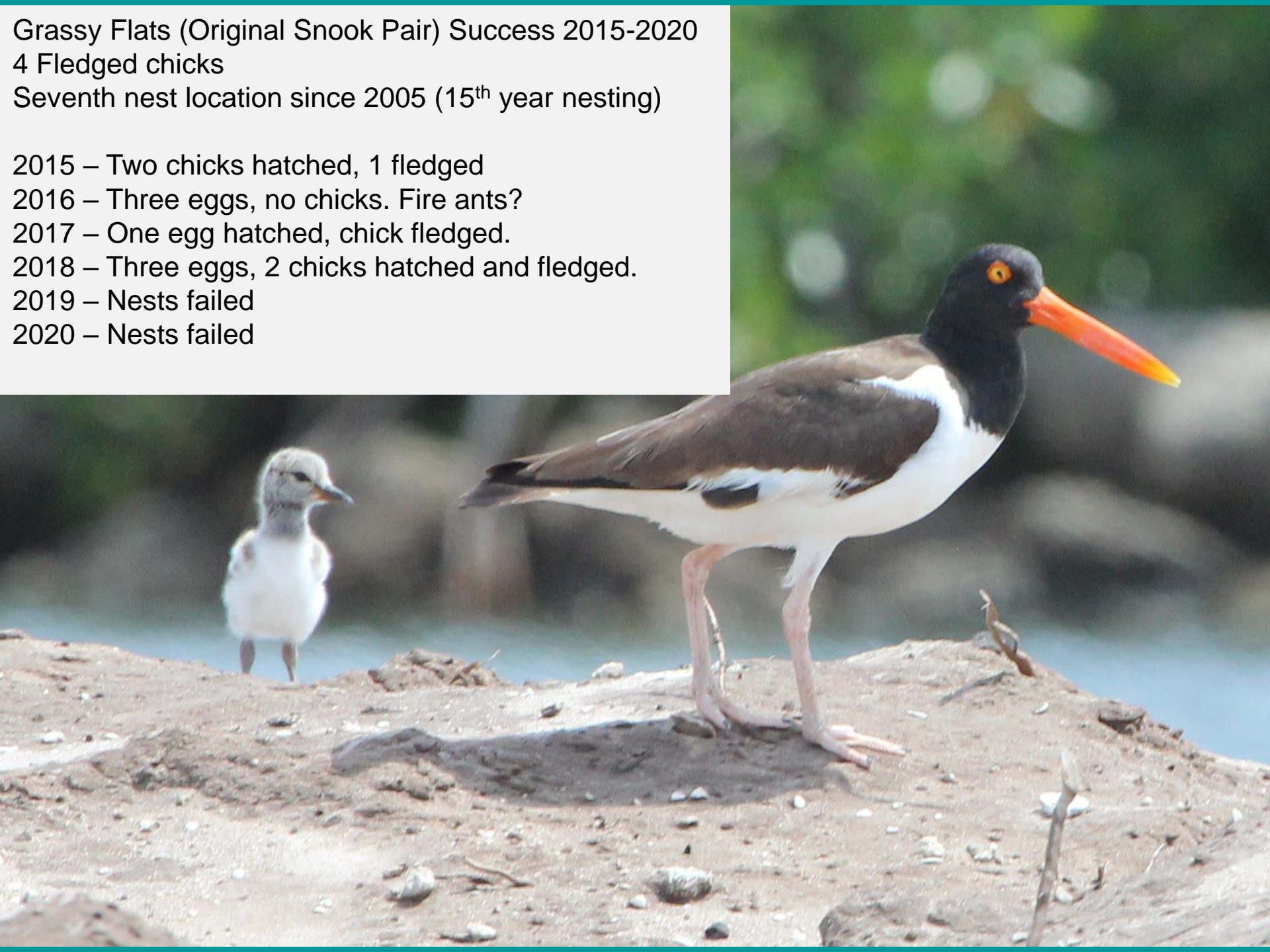



Annual treatment (Roundup/Amdro) necessary to keep nest areas attractive to birds. Fire ants caused nest failure in 2016 (kept adults from sitting on nest). Testing broadcast of salt to replace Roundup.



Grassy Flats (Original Snook Pair) Success 2015-2020
4 Fledged chicks
Seventh nest location since 2005 (15th year nesting)

2015 – Two chicks hatched, 1 fledged
2016 – Three eggs, no chicks. Fire ants?
2017 – One egg hatched, chick fledged.
2018 – Three eggs, 2 chicks hatched and fledged.
2019 – Nests failed
2020 – Nests failed



An aerial photograph showing a golf course on the left, a body of water in the center and right, and a small island in the water. The golf course has green fairways, sand traps, and palm trees. The water is dark brown. The island is sandy with some sparse vegetation. A white boat is visible in the water at the bottom. A white text box is overlaid on the top left of the image.

Snook Islands II – Constructed 2015-2018
3rd nesting AMOY pair nest at Snook II in 2017

2017 Nest Location

2018-2019 Nest Location

Snook Islands II April 2017 Nest



Snook Islands II
03/2018





Snook Islands II
03/2018

2019 Nest Site

2018 Nest Site



Snook Islands II
King Tide 10/2019



Snook Islands II 10/2018
Early vegetative succession



Snook Islands II

09/2019



Snook Islands II 11/2020
Serious vegetative issues



2018 Snook II Nest



May 8, 2018



Success at Snook Island II 2017 – 2020
9 Fledged chicks

2017 – Two chicks hatched, 2 fledged

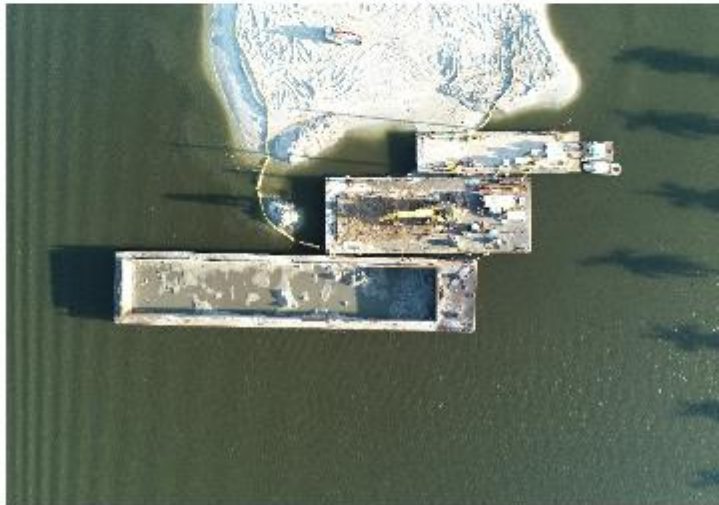
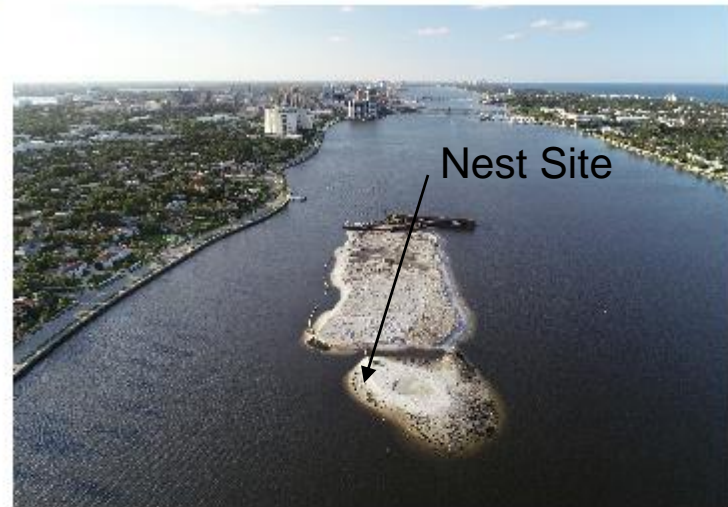
2018 – Three chicks hatched, 3 fledged

2019 – Two chicks hatched, 2 fledged

2020 – Two chicks hatched, 2 fledged



Tarpon Cove 2019 – 4th AMOY Nesting Pair



2019 Nest Site





Tarpon Cove Success 2019-2020
3 Fledged chicks

2019 – One chick, one fledged
2020 – Two chicks, one fledged.



Tarpon Cove Wetlands



Nesting Summary, 2005-2020

Snook/Grassy Pair: 17 hatched chicks, 15 fledged (88% fledge success)

2005 – 2020

Bryant Park Pair: 17 hatched chicks, 11 fledged (65% fledge success)

2014 – 2020

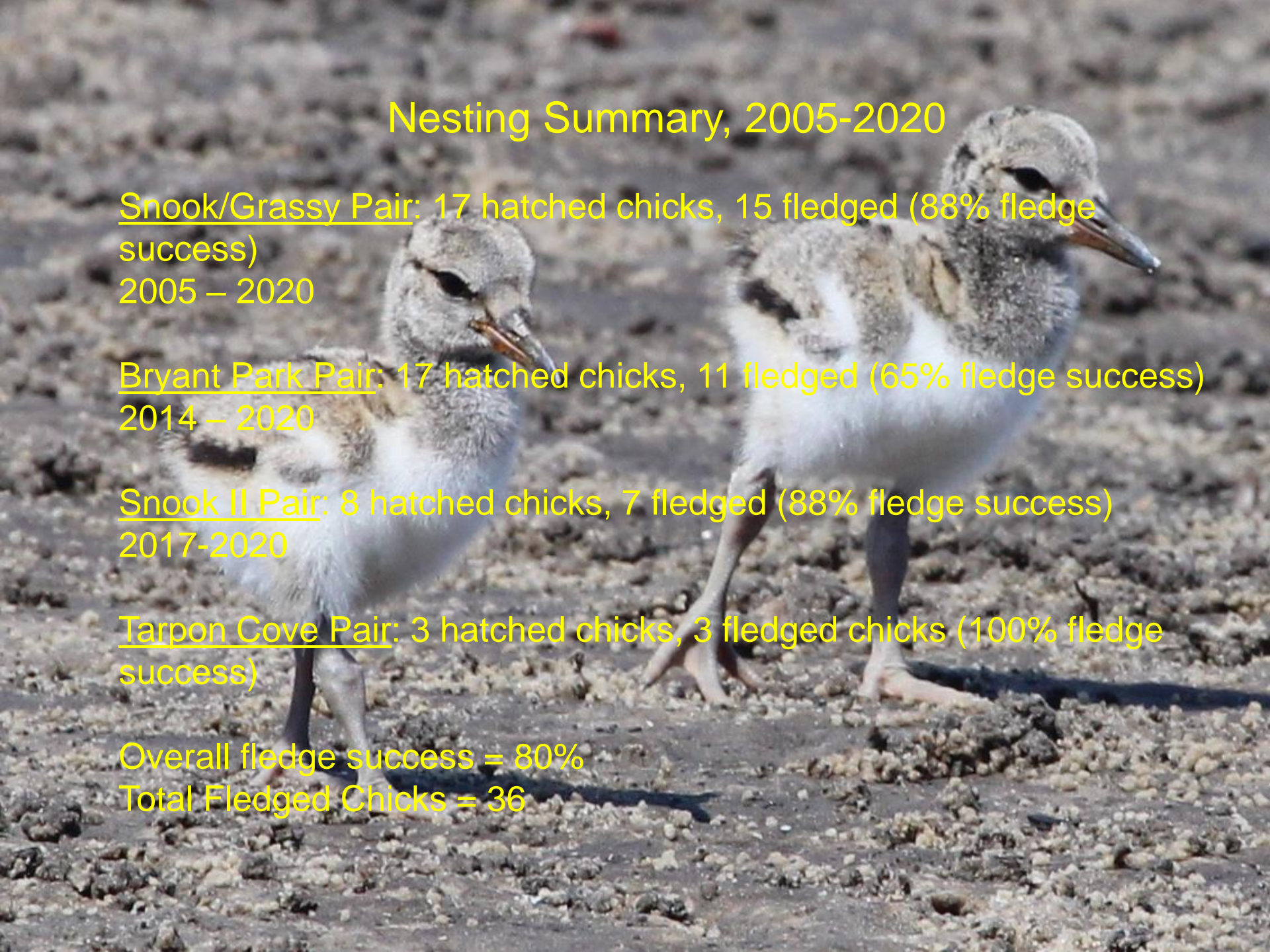
Snook II Pair: 8 hatched chicks, 7 fledged (88% fledge success)

2017-2020

Tarpon Cove Pair: 3 hatched chicks, 3 fledged chicks (100% fledge success)

Overall fledge success = 80%

Total Fledged Chicks = 36



Are you my
mother?

