The Lake Worth Lagoon Oystercatchers
Lake Worth Lagoon
Snook Islands
Project Goals:

- Protect existing mangrove fringe
- Remove shoreline armor
- Stabilize eroding shoreline by creating a new vegetated shoreline
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.
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
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
John’s Island Constructed Reefs
- 15,620 Tons of rock
- 59 individual reef pods
- 2.6 acres of pods
- Spread over 14 acres of bottom
Waiting for the oyster buffet to be exposed…
Small 3”-6” rock could be used to mimic a shell rake.
Ibis Isle
Bryant Park Islands construction completed in 2015
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

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
Snook Islands II – Constructed 2015-2018
3\textsuperscript{rd} nesting AMOY pair nest at Snook II in 2017
Snook Islands II  10/2018
Early vegetative succession
Snook Islands II 11/2020
Serious vegetative issues
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

Nest Site
Tarpon Cove Success 2019-2020
3 Fledged chicks

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