

A Great Egret with a long neck and a long, pointed beak is perched on a branch of a tree. The bird has grey and white feathers and a yellow eye. The background is a dense network of tree branches and leaves.

Long Term Trends and Hurricane Impacts on Colonial Wading & Diving Bird Nesting Effort and Islands

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Office of Resilience & Coastal Protection/CHAP & EBAP
Florida Department of Environmental Protection

CHNEP Watershed Summit | 06/22/23



COLONIAL WADING & DIVING BIRD NESTING

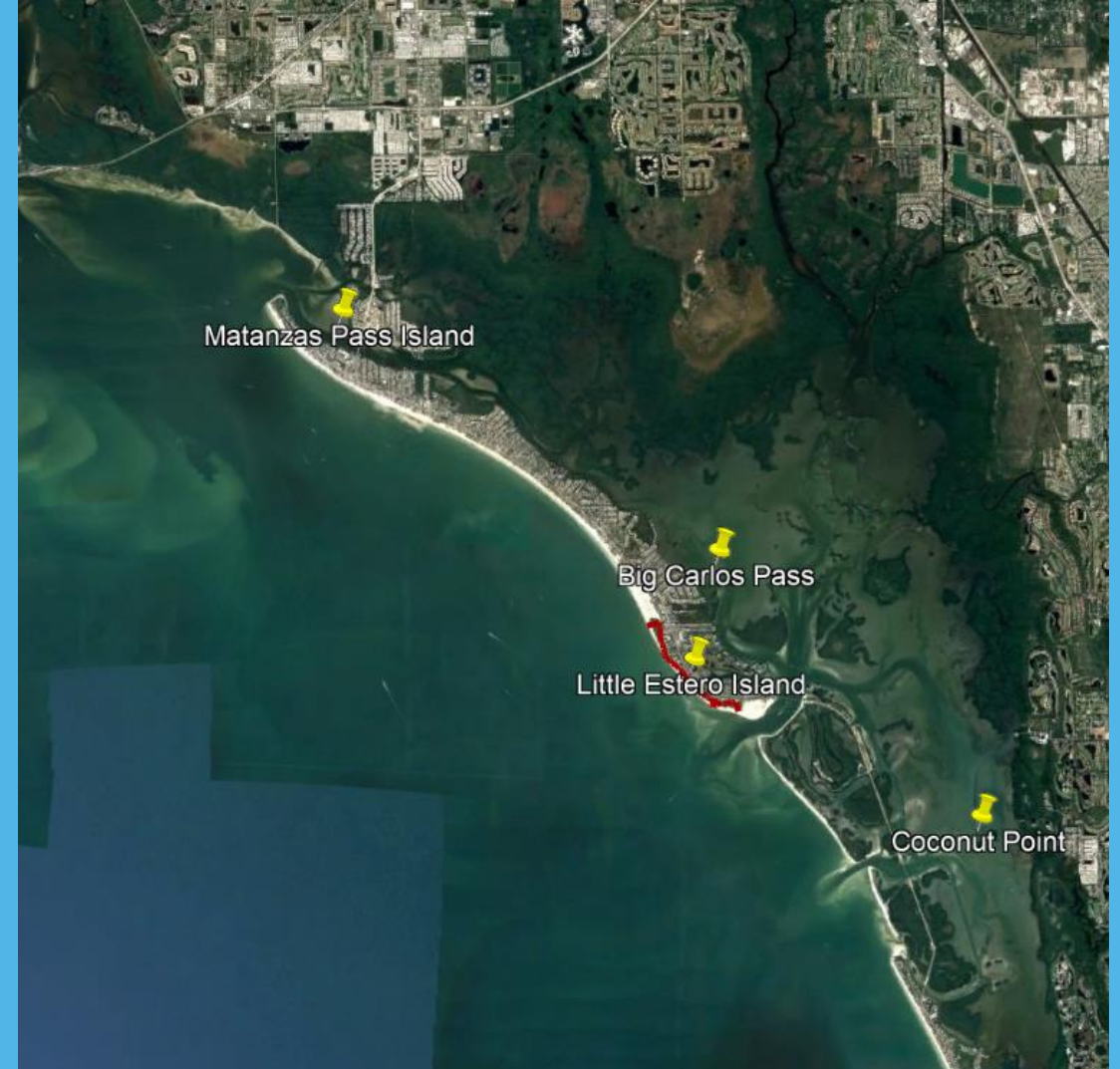
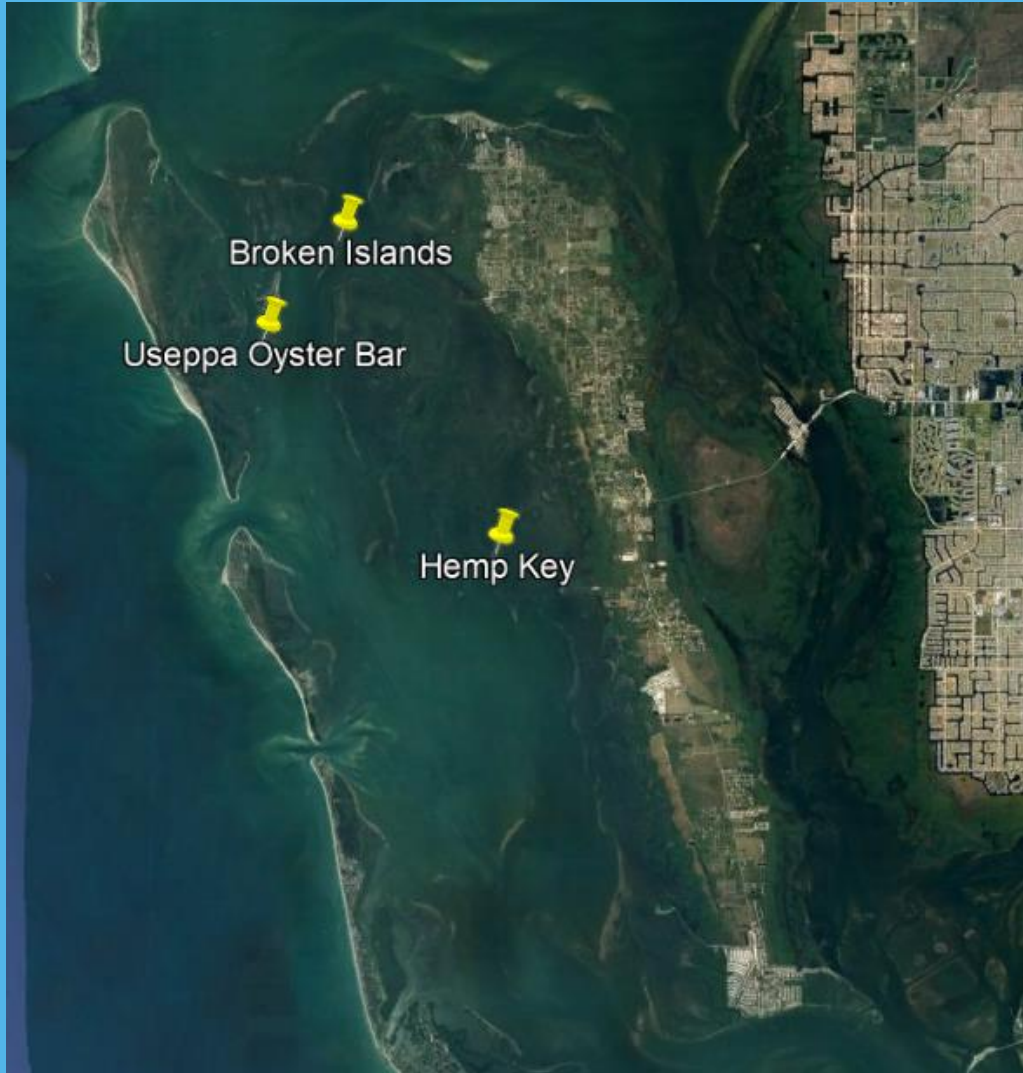
Program Objectives

- Provide peak nesting effort estimates.
- Monitor population trends.
- Record movement of colonies.
- Record disturbance & fatalities from entanglement in fishing line.
- Reduce entanglements from fishing line & trash within the bay.





CRITICAL WILDLIFE AREAS (CWA)





HURRICANE IAN IMPACTS

Matanzas CWA

Mangrove rookery island north of Matanzas Pass bridge, behind Ft. Myers Beach.





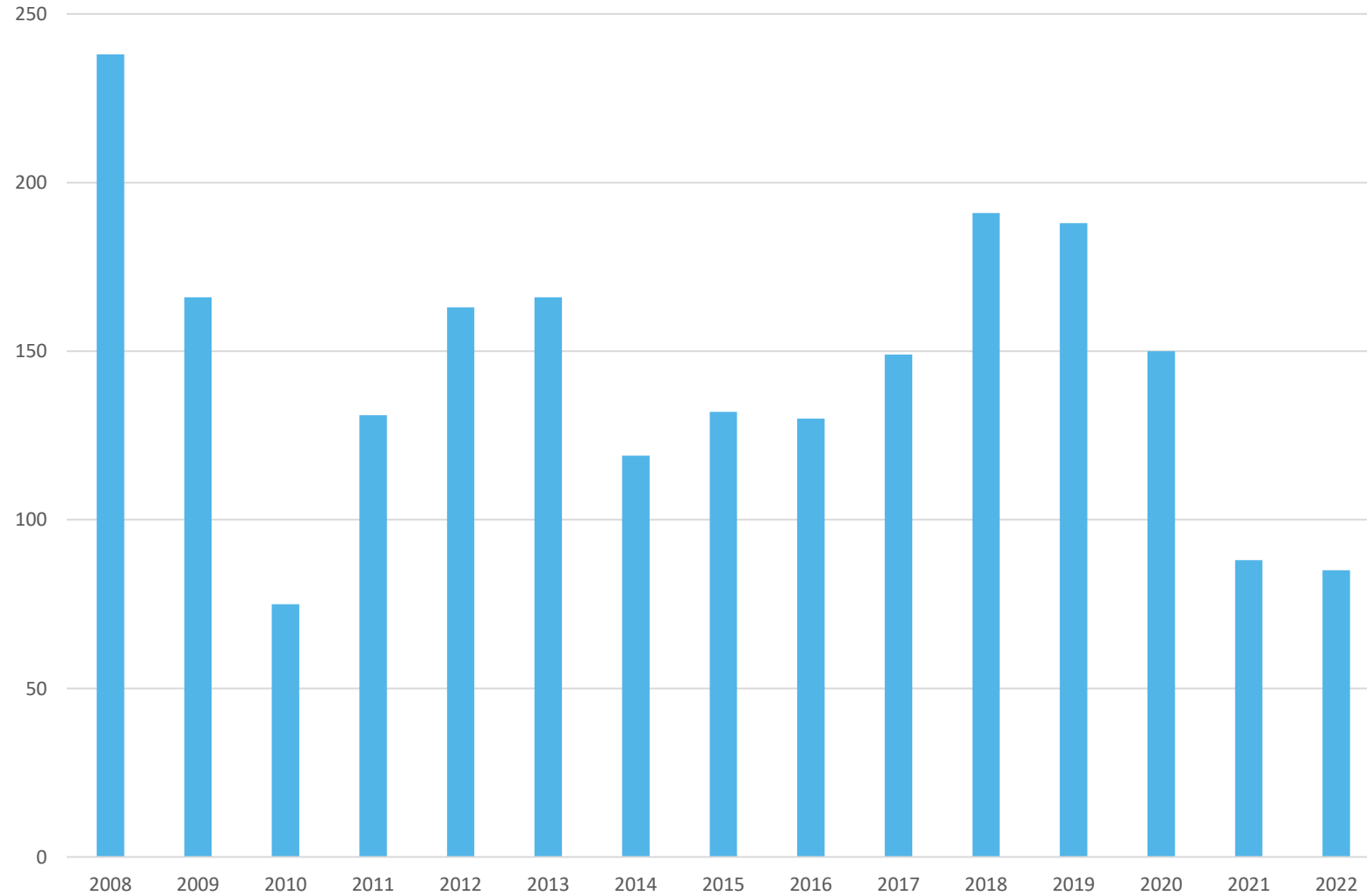
HURRICANE IAN IMPACTS





PEAK NESTING DATA 2008-2022

Matanzas Pass CWA





HURRICANE IAN IMPACTS



March 2022



November 2022

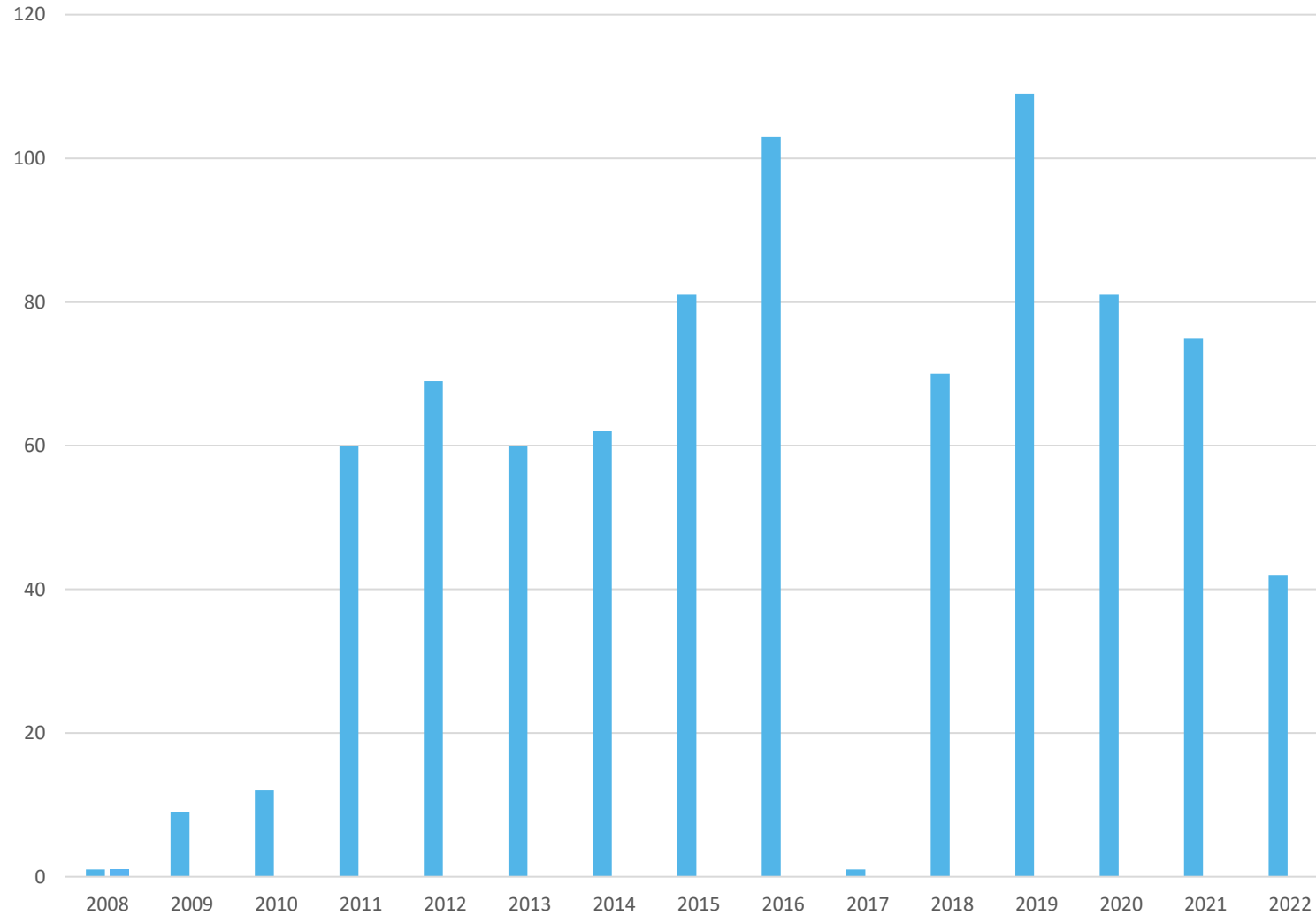
Coconut Point CWA

Estero Bay
Aquatic Preserve



PEAK NESTING DATA 2008-2022

Coconut Point East CWA





HURRICANE IAN IMPACTS

Big Carlos Pass CWA

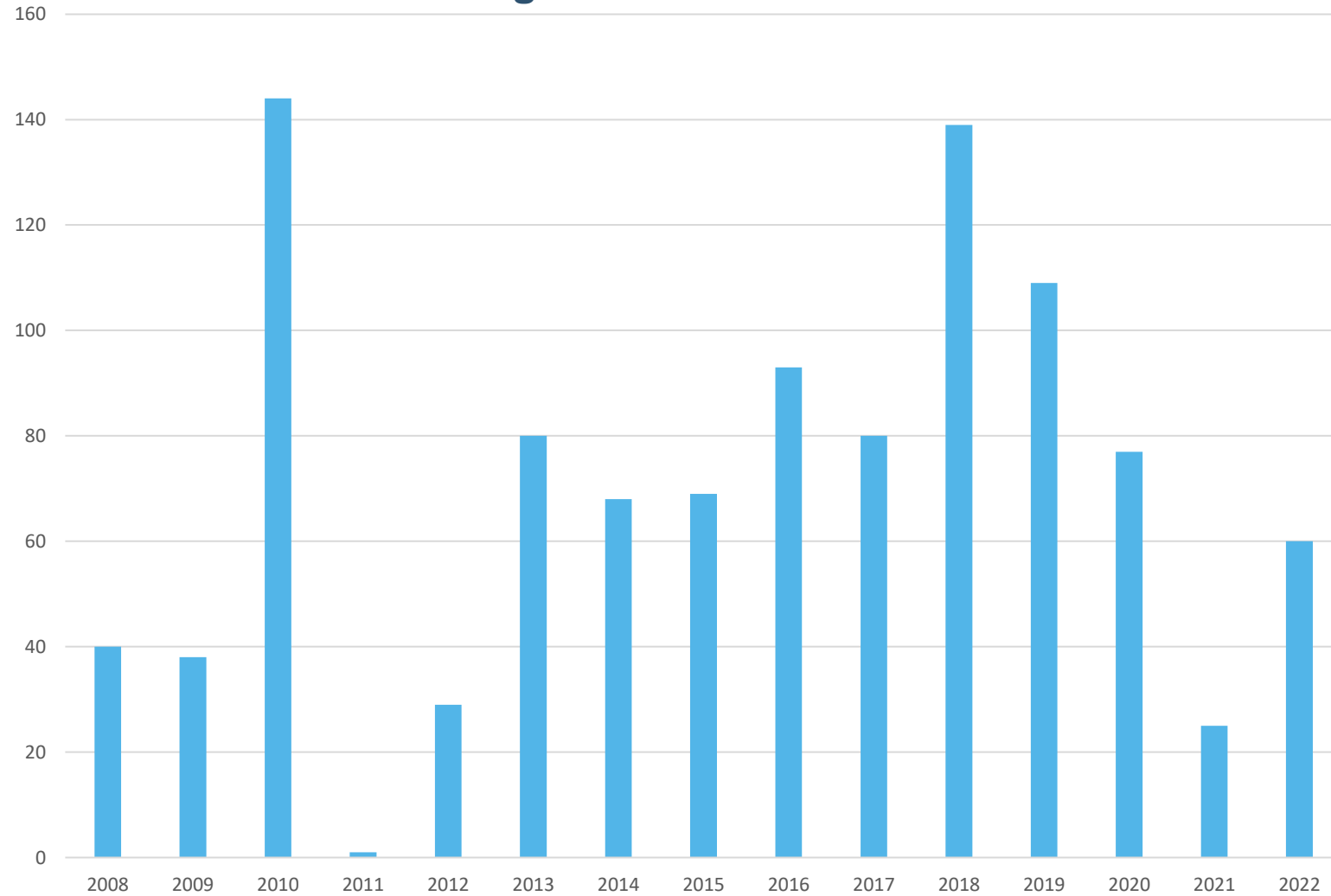
Mangrove rookery
island north of Big
Carlos Pass.





PEAK NESTING DATA 2008-2022

Big Carlos Pass CWA



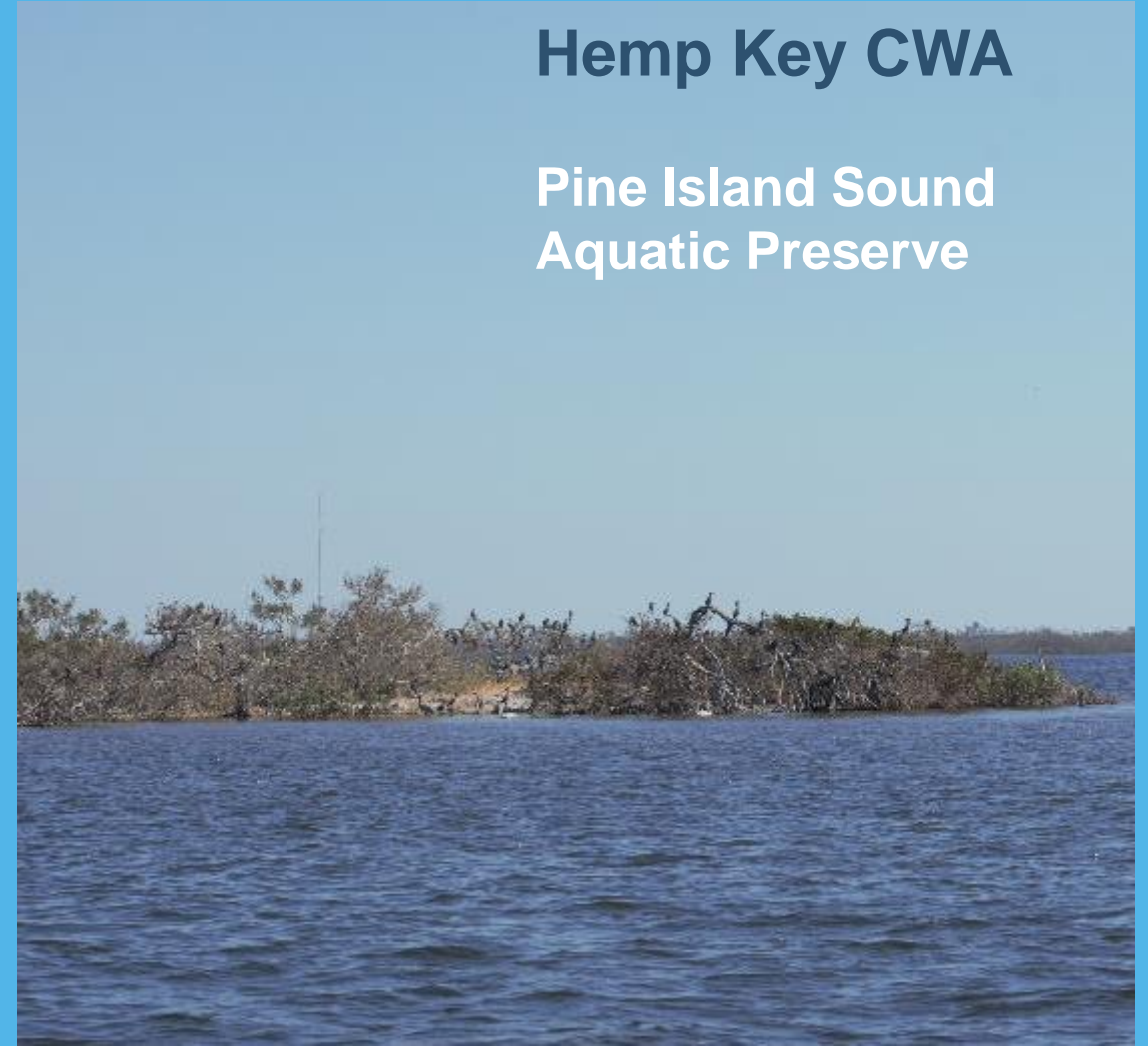


HURRICANE IAN IMPACTS



Hemp Key CWA

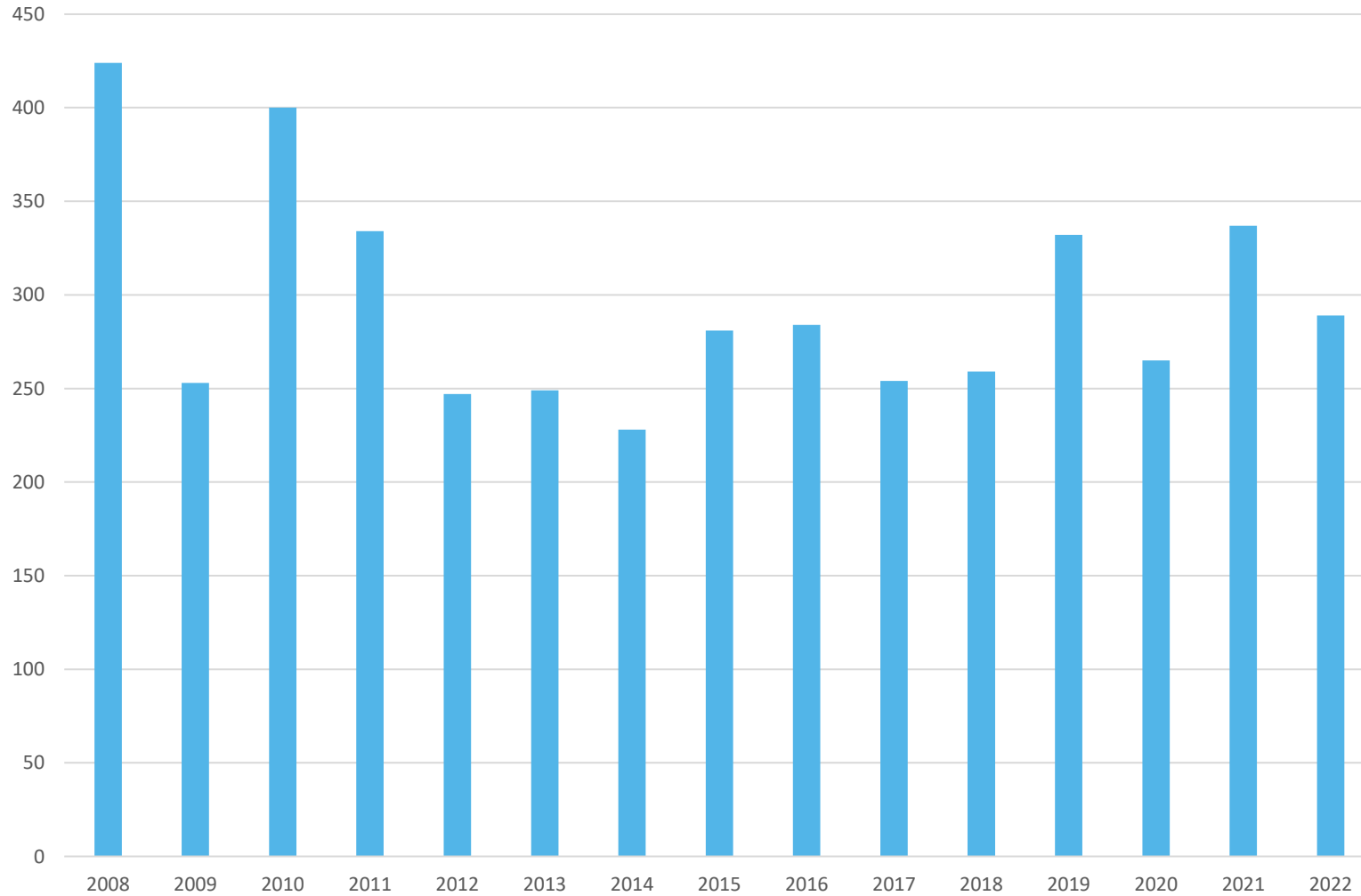
**Pine Island Sound
Aquatic Preserve**





PEAK NESTING DATA 2008-2022

Hemp Key CWA





HURRICANE IAN IMPACTS

Broken Islands CWA

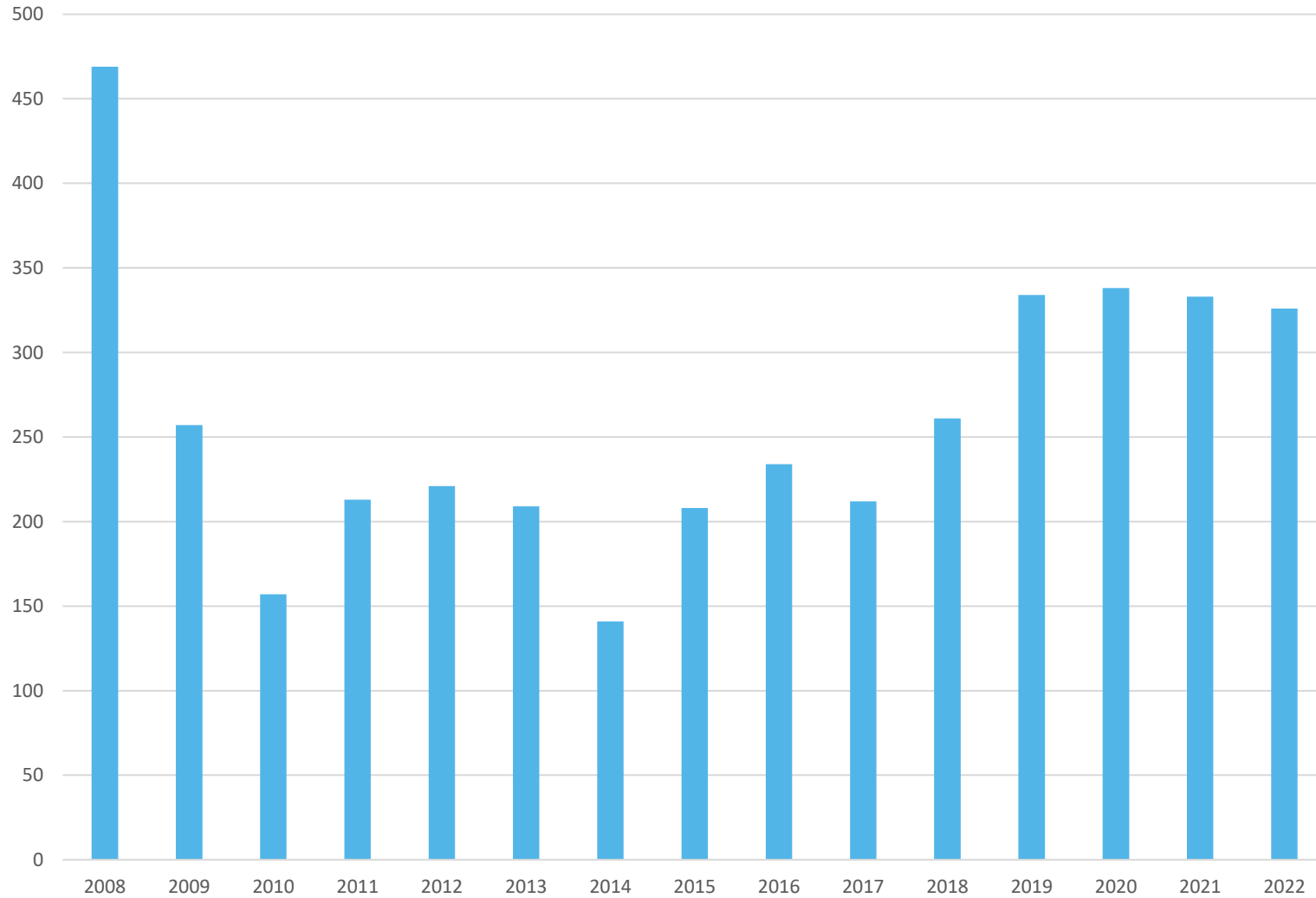
Pine Island Sound
Aquatic Preserve





PEAK NESTING DATA 2008-2022

Broken Islands CWA





HURRICANE IAN IMPACTS



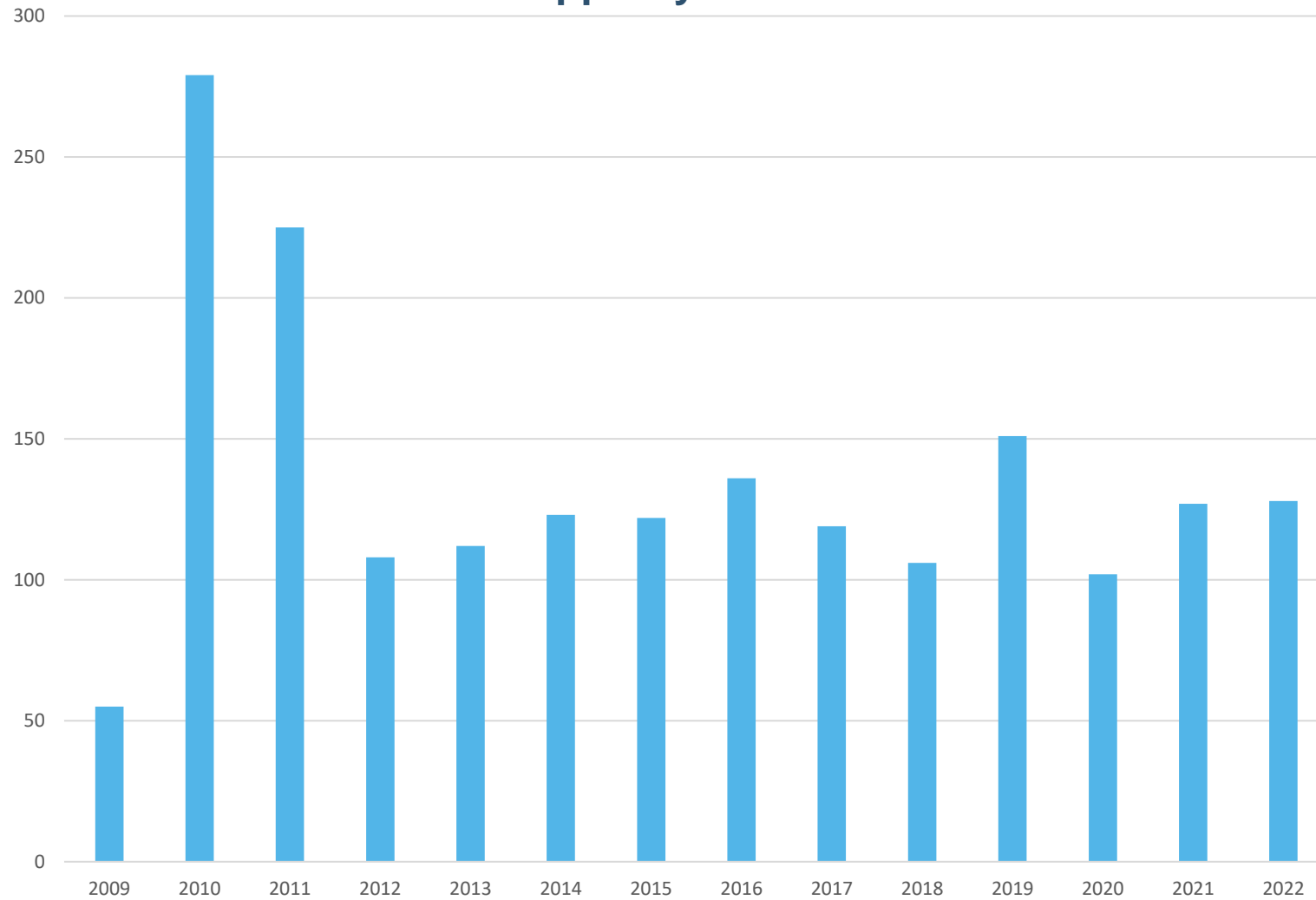
Useppa Oyster Bar

Pine Island Sound
Aquatic Preserve



PEAK NESTING DATA 2009-2022

Useppa Oyster Bar





HURRICANE IAN IMPACTS

Big Hickory E of M-85

Estero Bay Aquatic Preserve



October 2022



HURRICANE IAN IMPACTS



October 2022

N Coconut E of M-3

Estero Bay Aquatic Preserve



THANK YOU

Stephanie Erickson

Office of Resilience and Coastal Protection /
Estero Bay Aquatic Preserve
Florida Department of Environmental Protection

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