

Crab Bank Restoration Project South Carolina

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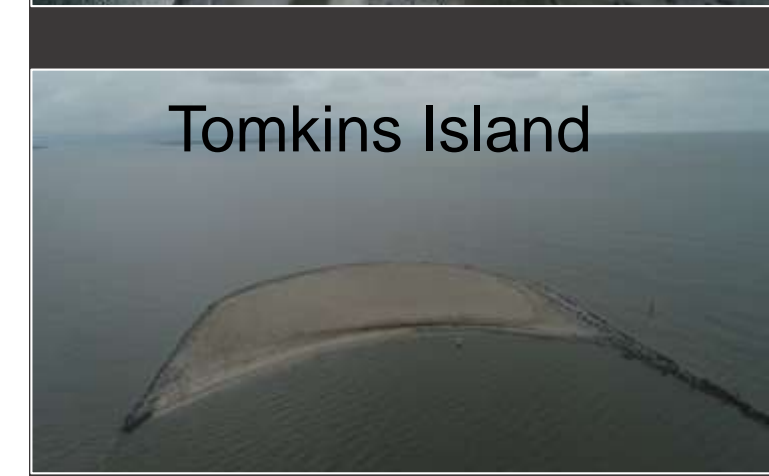
²Wildlife and Freshwater Fisheries Division

American Oystercatcher Working Group
St. Simon, Georgia
December 6-7, 2022



Gary Sundin, SCDNR

Seabird Sanctuaries



Bird Key

Deveaux Bank

Tomkins Island

Charleston

Crab Bank

Bird Key

Deveaux Bank

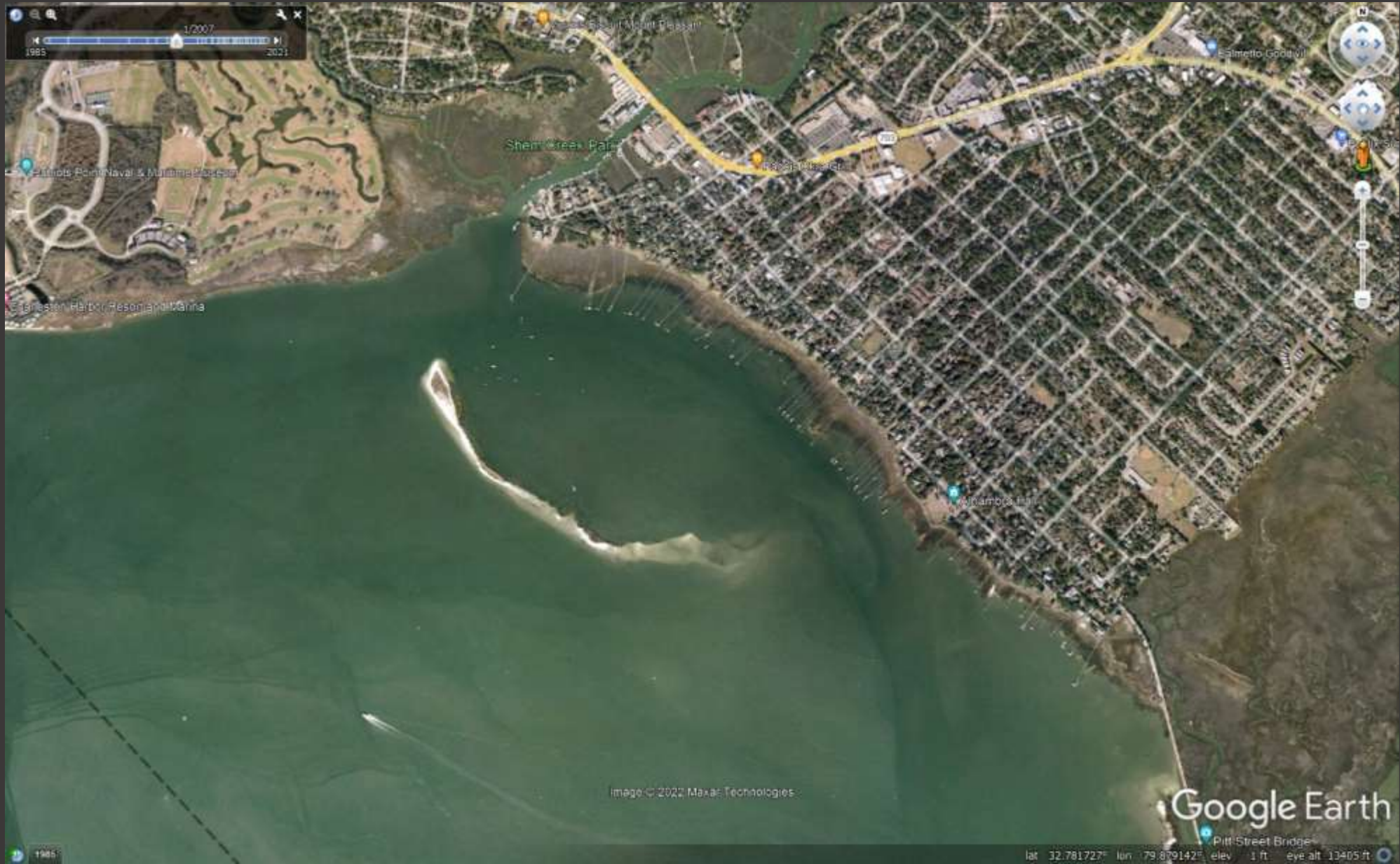
Tomkins Island

The Need



Image Credit: Mike Kittrell

2007



2017

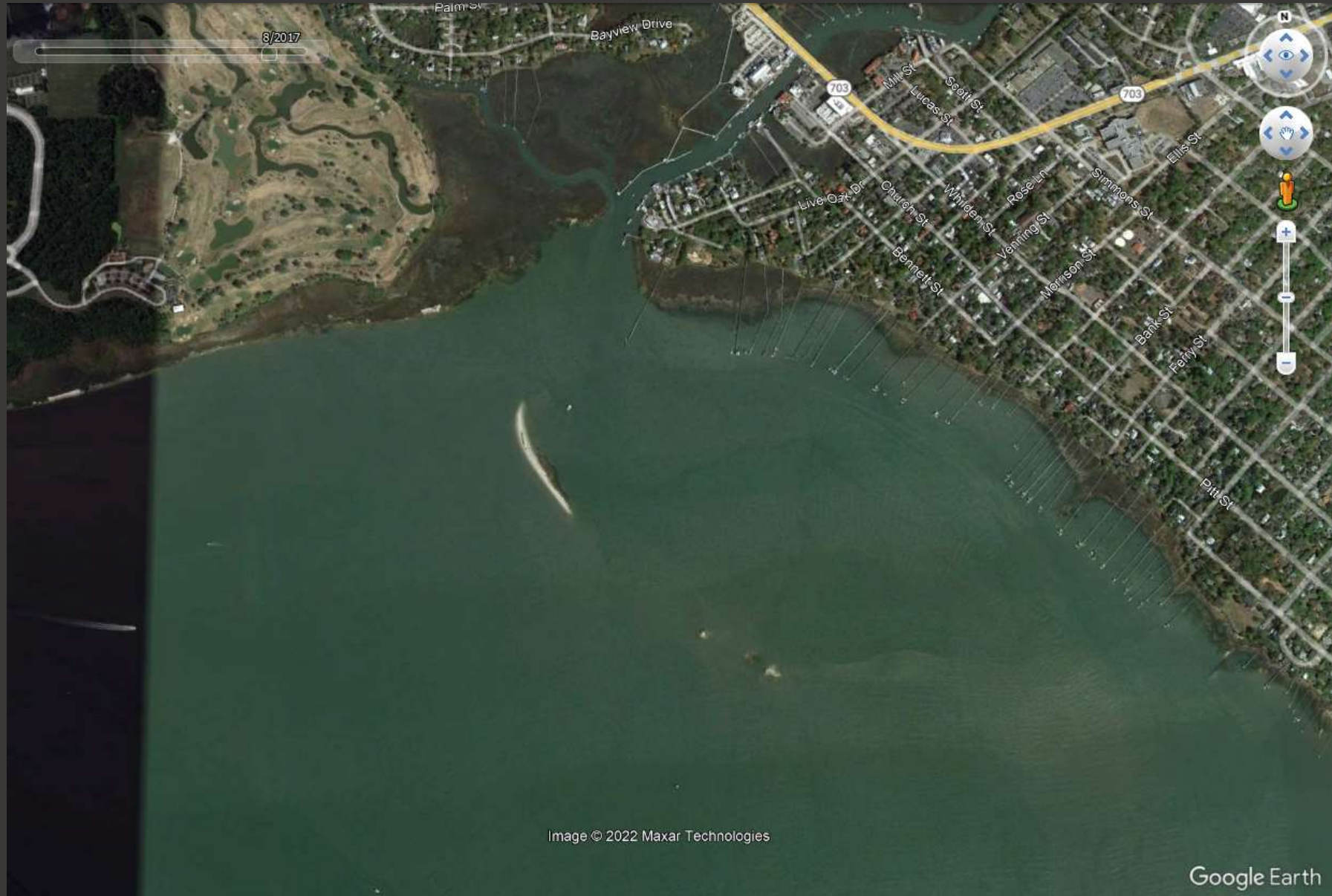


Image © 2022 Maxar Technologies

Google Earth

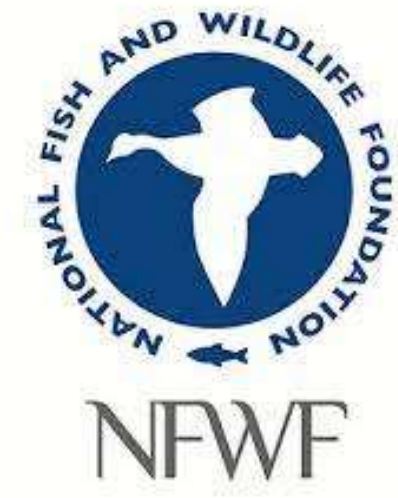
1985

Imagery Date: 8/22/2017 32°46'52.11" N 79°53'27.15" W elev 0 ft eye alt 9475 ft

The Opportunity



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of Engineers**®





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The Creation



2021

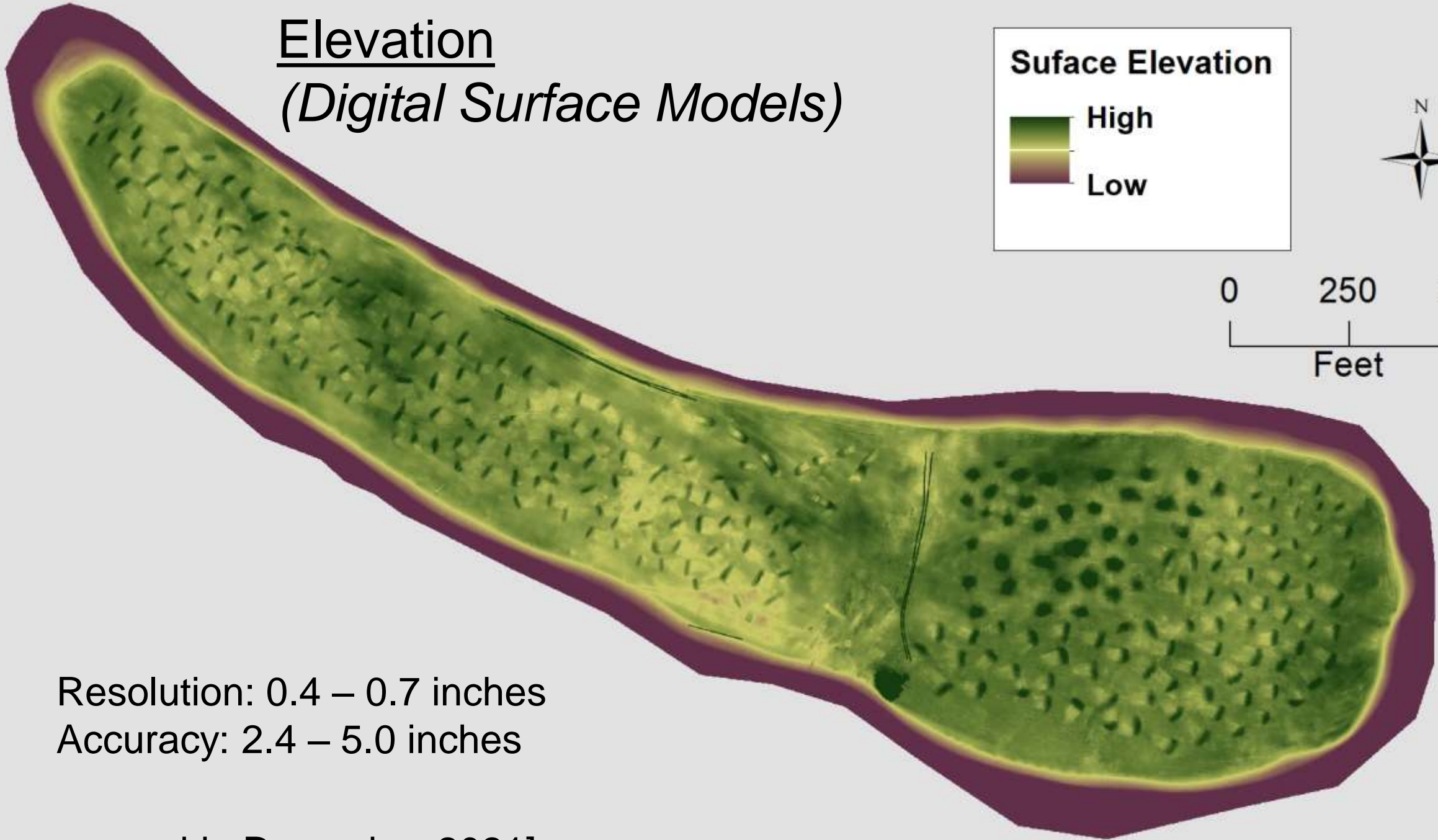
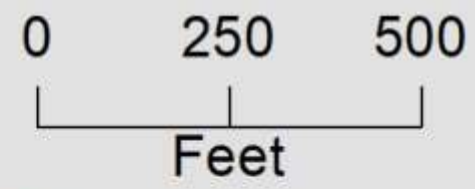
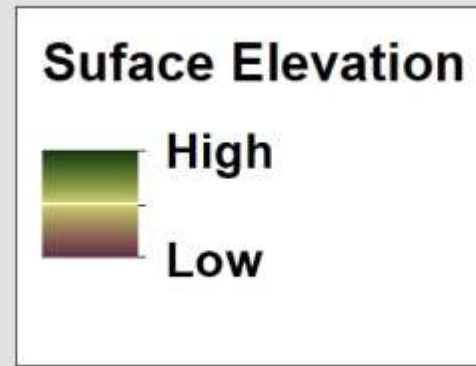
Target footprint:
32.7 acres



Post-build imagery:
December 1, 2021



Elevation
(Digital Surface Models)



Resolution: 0.4 – 0.7 inches
Accuracy: 2.4 – 5.0 inches

[As surveyed in December 2021]

American Oystercatchers



Christy Hand, SCDNR



Janet Thibault, SCDNR



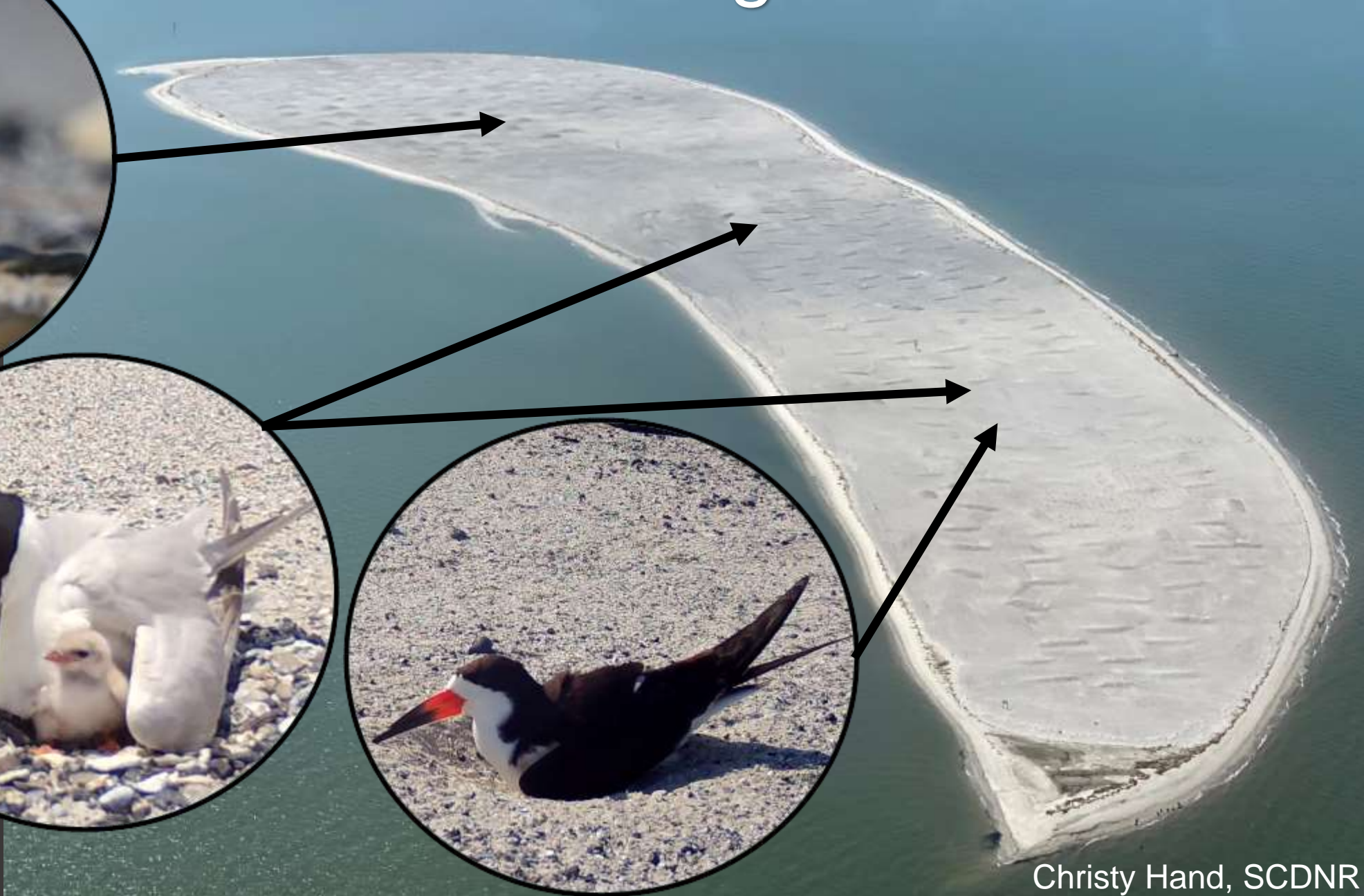


Christy Hand, SCDNR



Janet Thibault, SCDNR

Colonial Nesting Seabirds










Seas the Day Charleston 7h · 🌐

Yesterday was a crazy day! With opening of new grounds in the Charleston area. We did an astounding 12 charters yesterday totaling more than 30 people! I was so surprised to see the lack of morals by people that were on the hunting grounds before they legally opened. We waited until legal opening time and still made the best of it. The arrowhead and 5 inch tooth were not found by people with our group that were found in the new Lee opened hunting grounds.

#tourist #crazyness #busy #outdoors #adventure #tourism #weekend #island #beach #dnr #fossils #teeth #sharksteeth #sunrise #photograph #beautiful #fun #family #birthday #happy



Cami Duquet, SCDNR


Seas the Day Charleston 3h · 🌐

New boat officially a shark tooth hunting machine. Stoked to be able to drop clients in areas inaccessible by other boats. We continue to grow our services to make your day on the water unforgettable!

#water #shallow #island #lowtide #adventure #explore #fossil #charleston #tourist #tourism #affordable #special #nature #photo #travel #trending #buried #destinations #fun #family #ocean





DO NOT DISTURB BIRDS!

Coastal birds are at high risk of disturbance from human activity. While you are on the island it is imperative that you do not disturb birds that are using the property to feed, rest, or nest. Please do not chase, approach, disturb, or make birds fly during your visit.

CLOSED

Designated bird habitat
above the high tide line



OPEN

Public access below
the high tide line

Give birds space.
Go around.



Final Thoughts

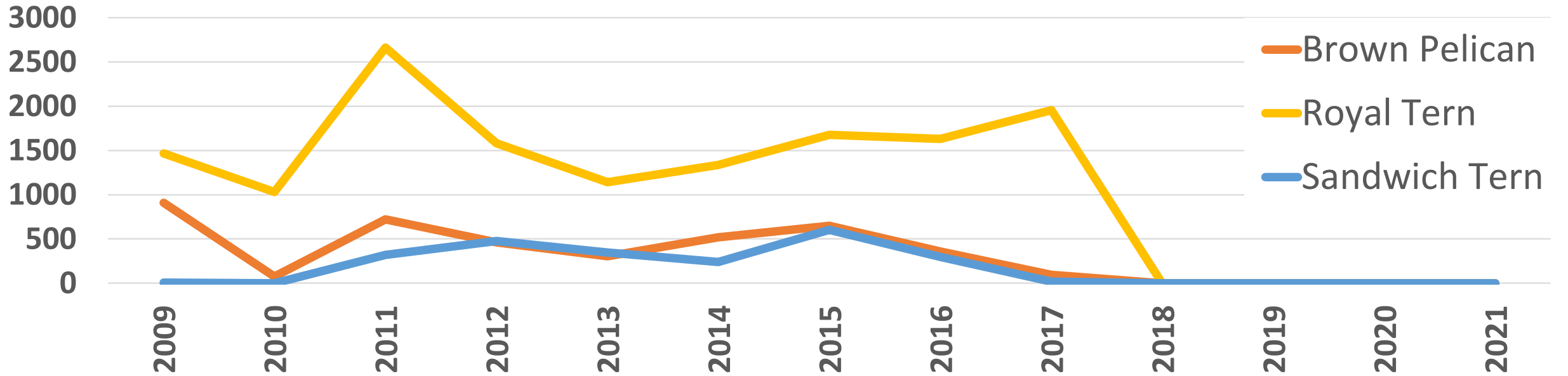
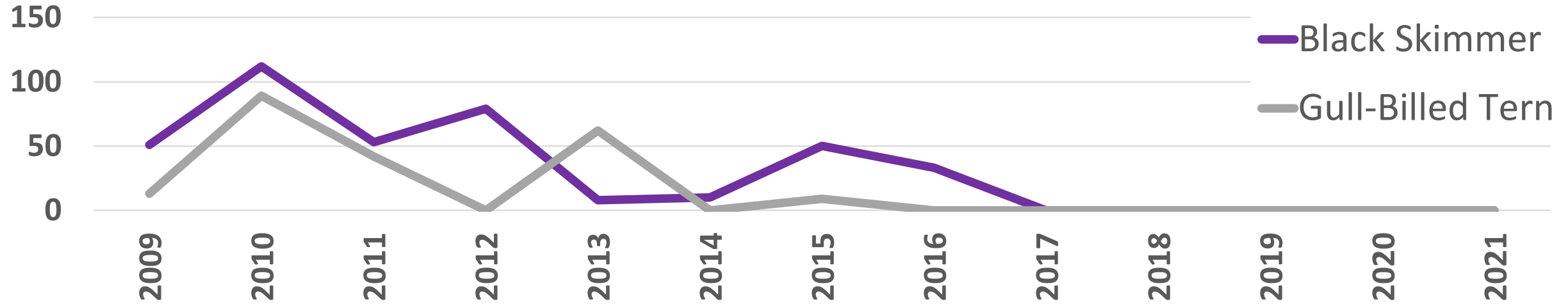
An aerial photograph of a large, elongated sandbar in a bay during sunset. The sun is low on the horizon, casting a warm, golden glow over the water and the sand. The sandbar is the central focus, with its surface showing some texture and shadows. The water is calm, reflecting the light from the sky. In the background, there are some buildings and a distant shoreline.

- Partnerships
- Protections Already In Place
- Treasure Hunters
- Predation Plan
- Vegetation Management Plan

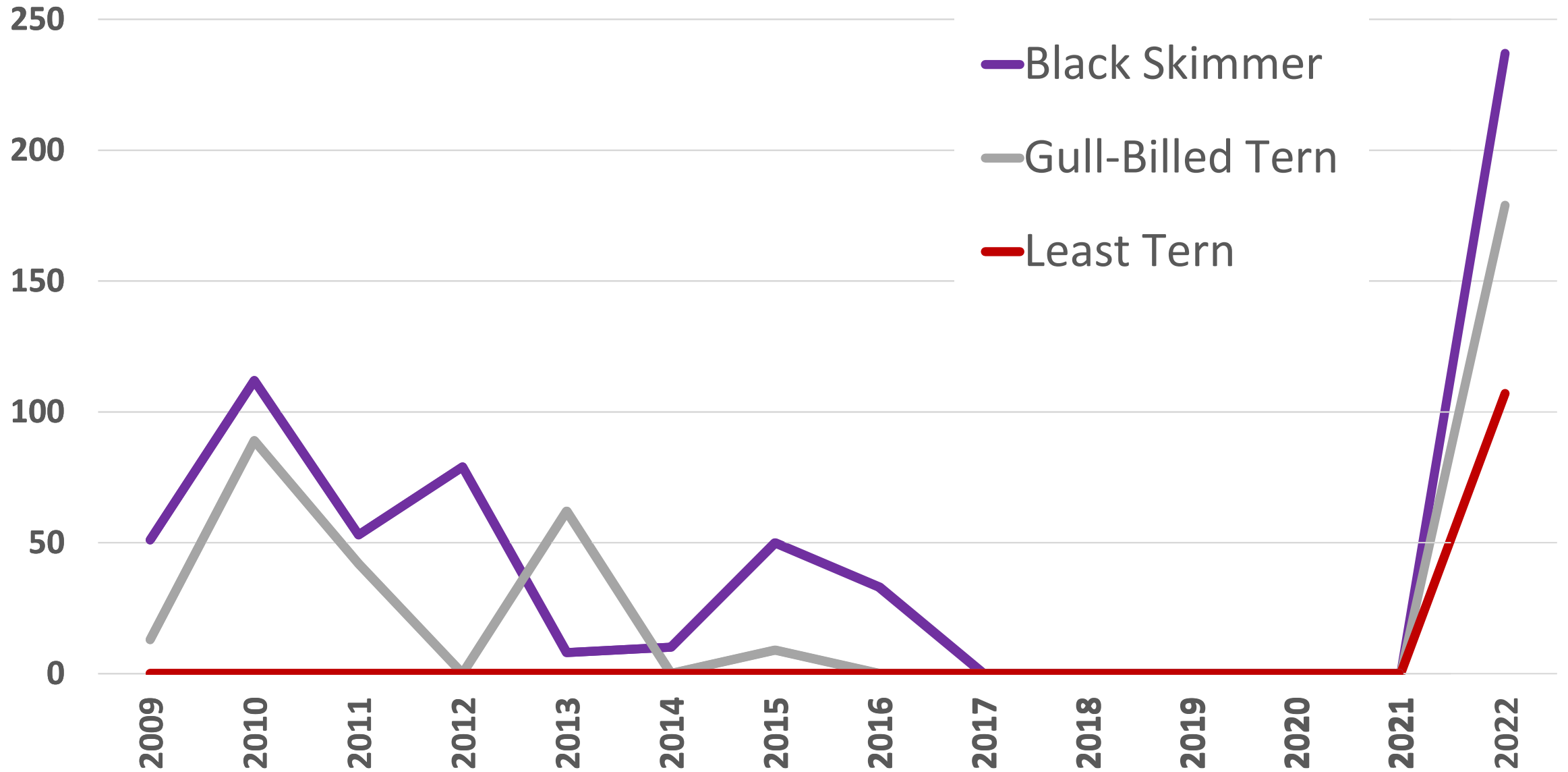
Thank You!



Seabird Nests on Crab Bank



Seabird Nests on Crab Bank



Least Tern

- 107 Nests
- >50 Fledglings



Gull-billed Tern

- 192 Nests
- > 75 Fledglings



Black Skimmer

- 283 Nests
- 174 Fledglings



Desirable Native Plant Species



- Beach Croton
(*Croton punctatus*)
- Purslane
(*Portulaca sp.*)
- Dune Marsh-Elder
(*Iva imbricata*)
- Southern Saltwort
(*Salsola kali var. caroliniana*)

Undesirable Plant Species



- Phragmites
(*Phragmites australis*)
- Crowfoot Grass
(*Dactyloctenium aegyptium*)



- Sow Thistle
(*Sonchus oleraceus*)
- Trailing Fuzzy-Bean
(*Strophostyles helvola*)

American Oystercatcher

- 8 Pairs
- 11 Nests
- 7 Hatched
- 3 Fledglings

