

# North Carolina 2022 Update

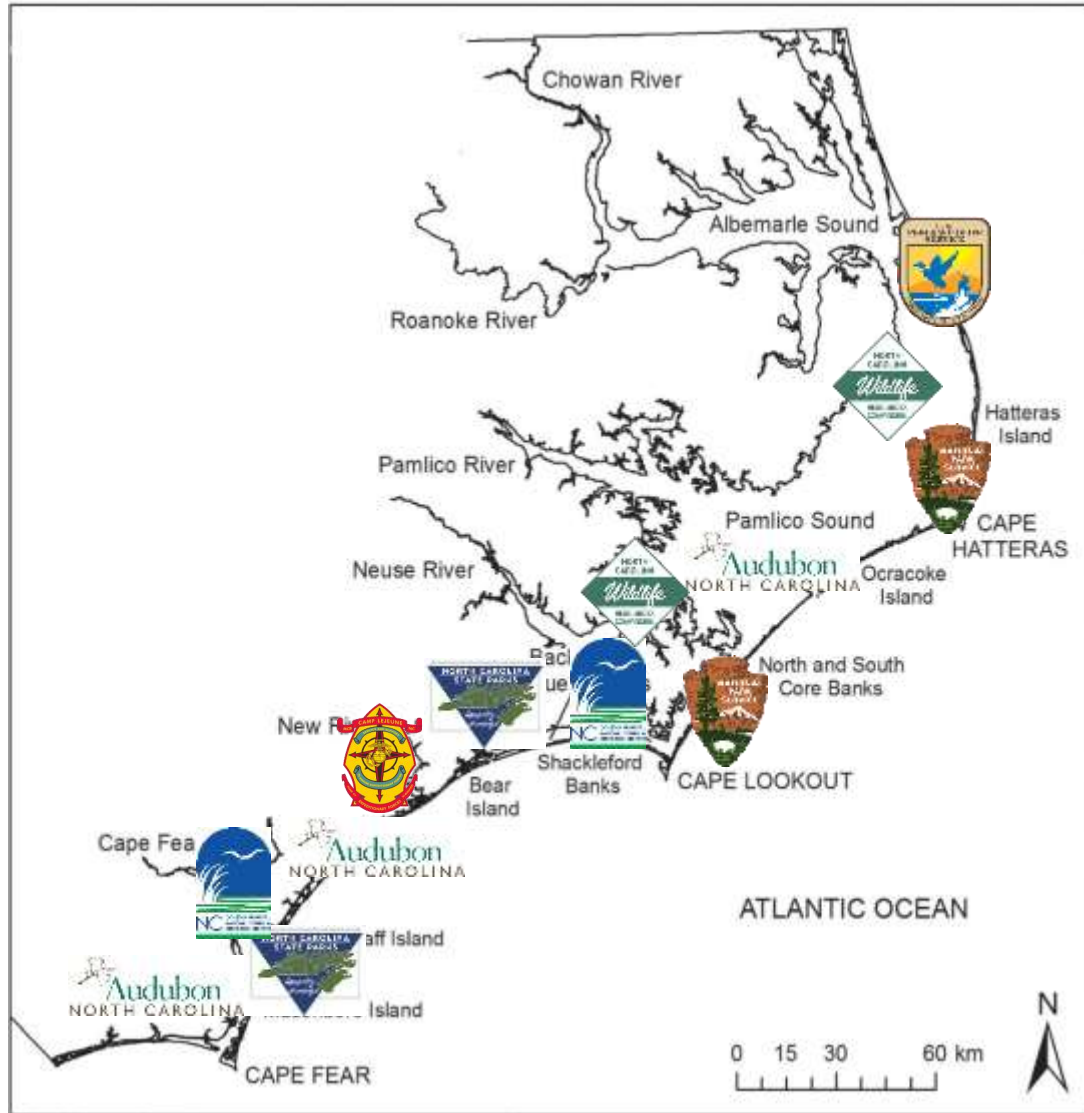


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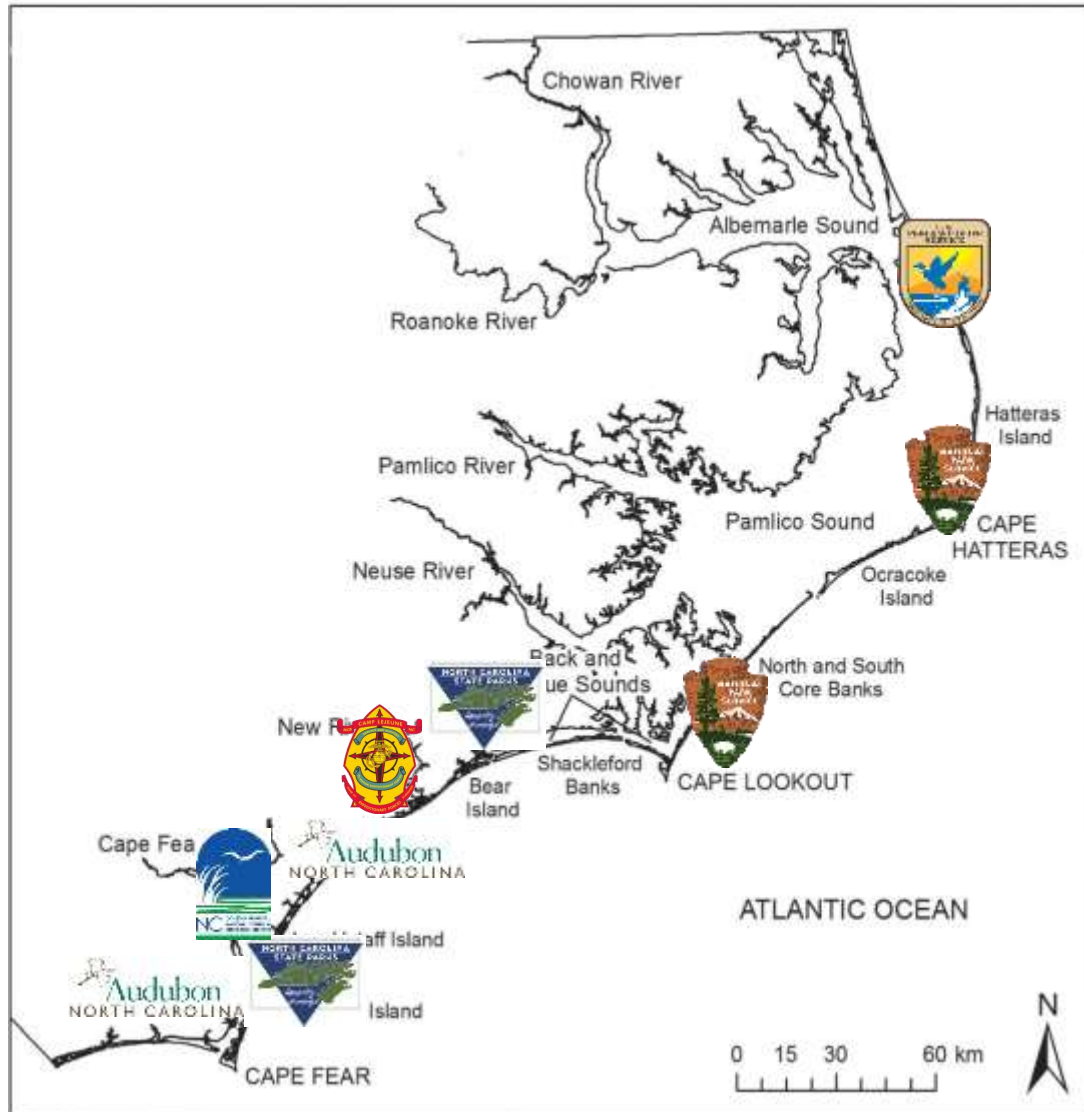
LINDSAY ADDISON  
COASTAL BIOLOGIST



# AMOY Partners in NC



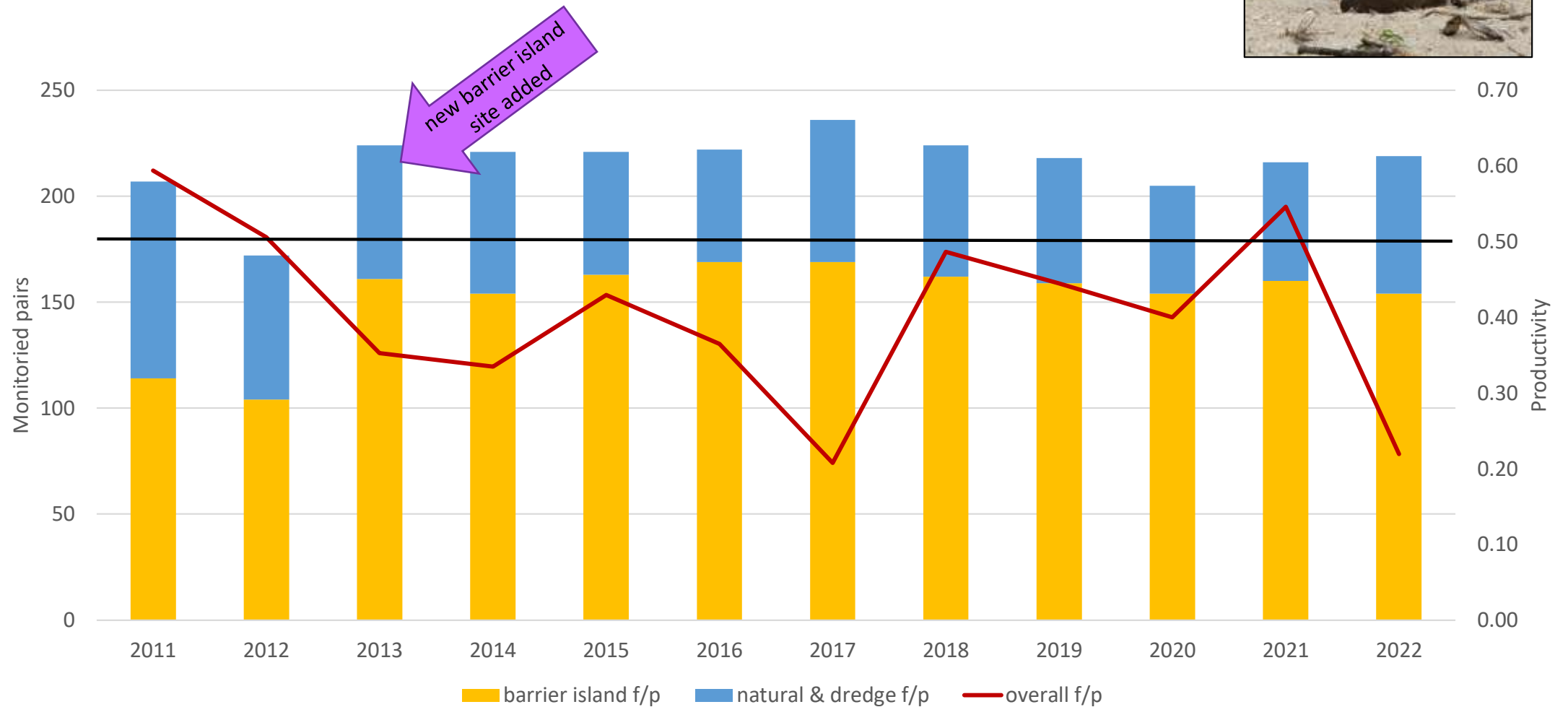
# Annual Productivity Monitoring



- Pea Island National Wildlife Refuge
- Cape Hatteras and Cape Lookout National Seashores
- Hammocks Beach State Park (Bear Island)
- Onslow Beach
- Lea-Hutaff Island, Inlets and Wrightsville Beach
- Masonboro Island
- Fort Fisher State Recreation Area
- Cape Fear River Islands



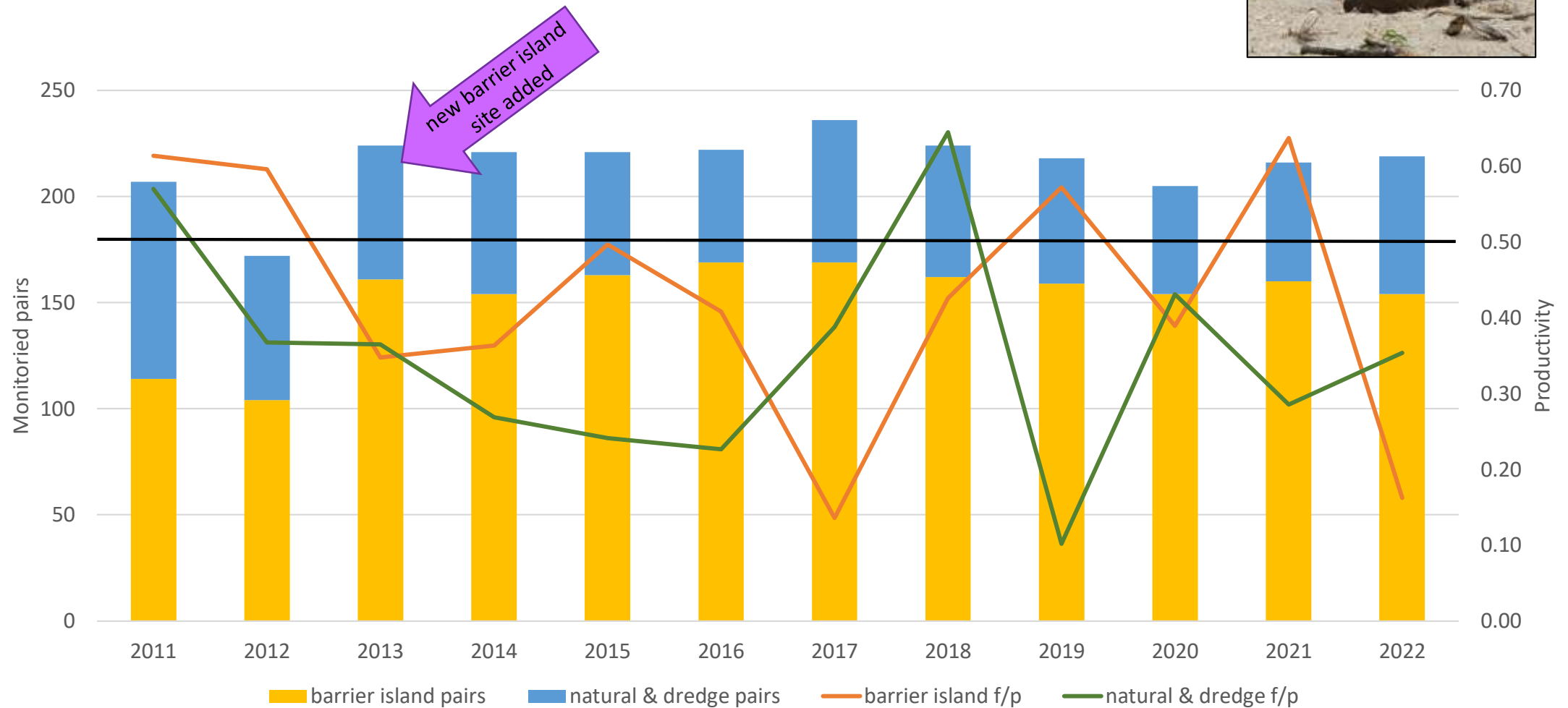
# Productivity 2011-2022



Across all years: mean pairs monitored = 215 / mean productivity = 0.41



# Productivity 2011-2022



Across all years:

mean barrier pairs monitored = 152  
 mean other pairs monitored = 64

mean barrier productivity = 0.43  
 mean other productivity = 0.35



# Causes of Failure



- Defining event of the season: the Mother's Day nor'easter
  - CALO: only 2 nests survived out of 46 confirmed breeding pairs
  - CAHA: similar losses, but one experienced pair in each district fledged a chick, all at spits
- Depredation continues to be an issue
  - Coyote pressure in the south and on the OBX, especially outskirts of villages
  - Feral cats another issue locally on the OBX
  - Raccoons on Lea-Hutaff Island



# Cape Lookout National Seashore



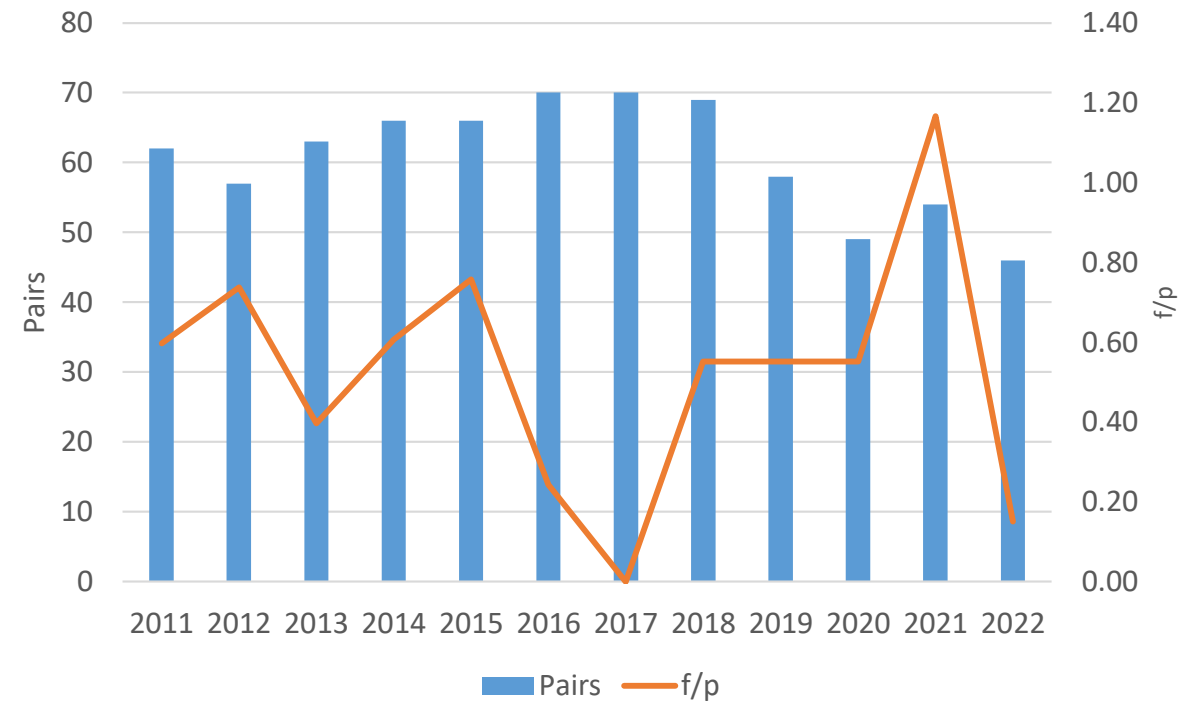
Shackleford Banks

South Core Banks

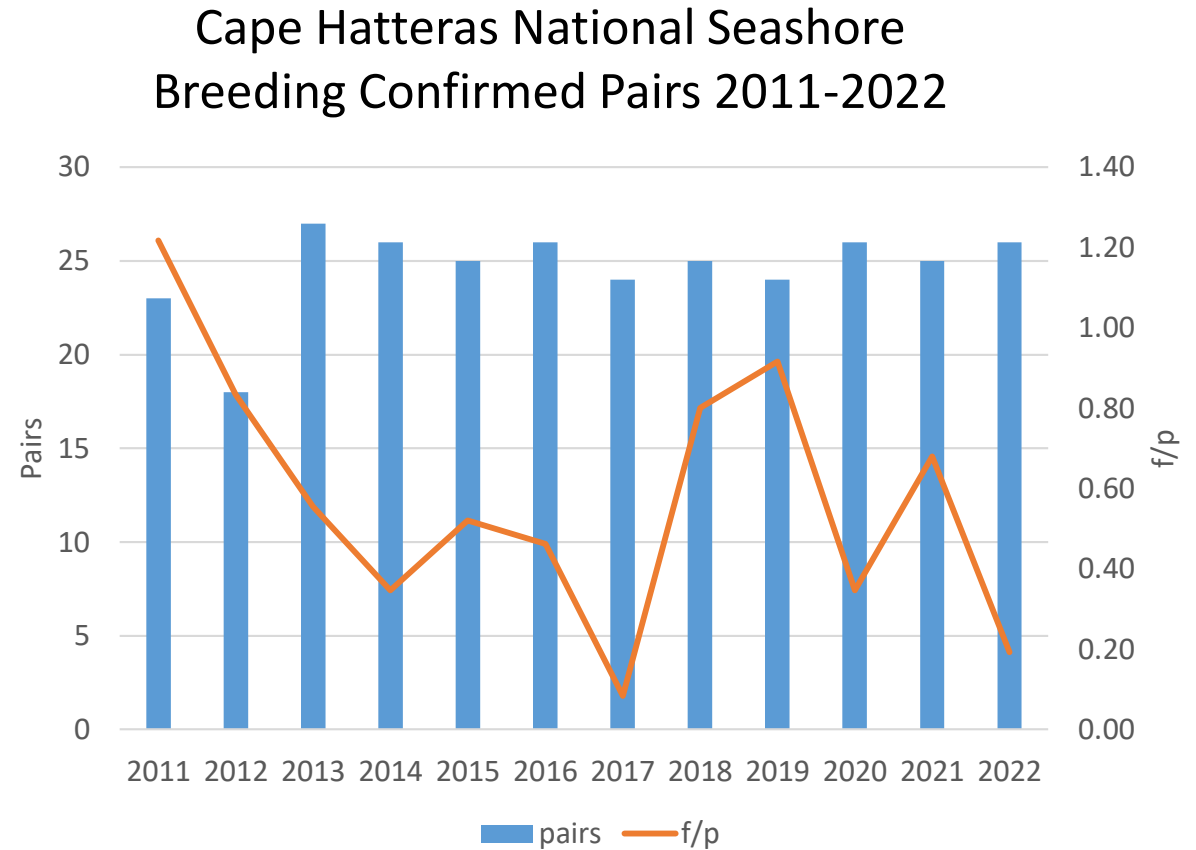
North Core Banks

53 miles of relatively remote barrier island beach

## Breeding Confirmed Pairs 2011-2022



# Cape Hatteras National Seashore

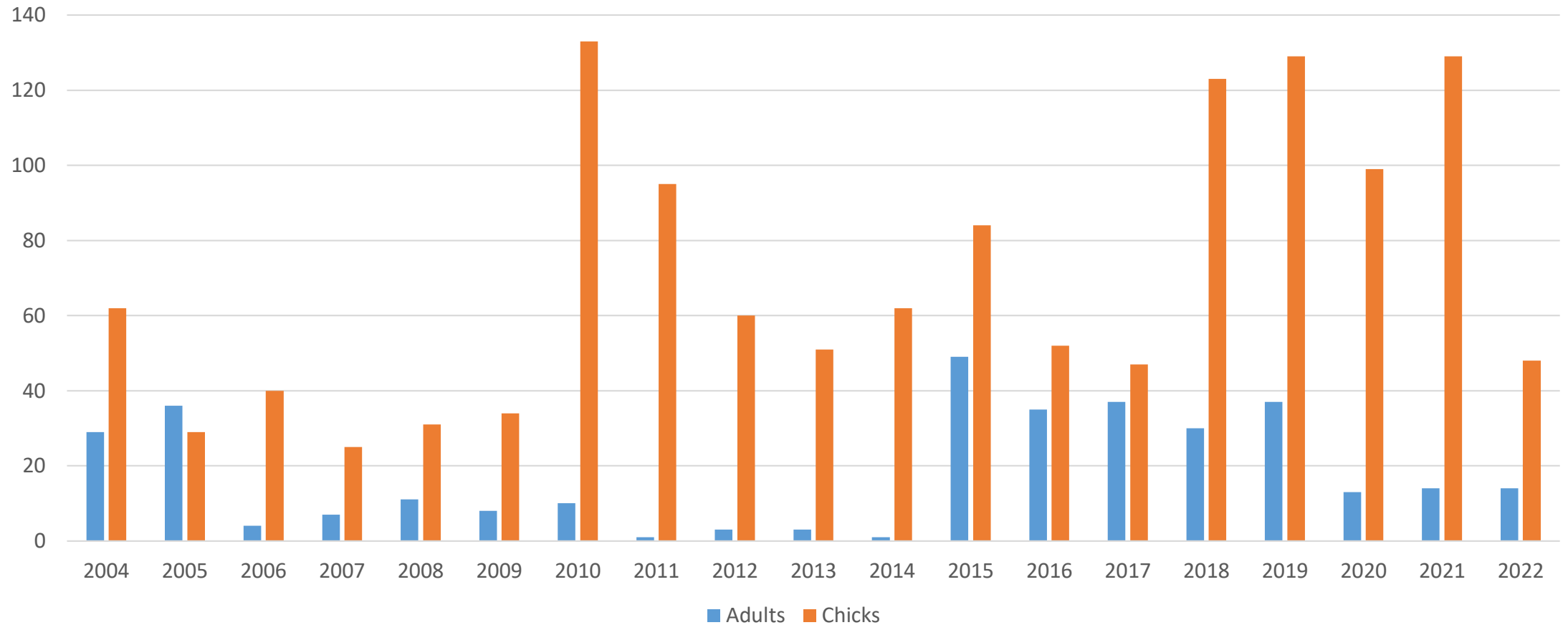


Pea Island NWR had fewer breeding confirmed pairs in 2022 vs. 2021.





# State-wide Banding: 2004-2022



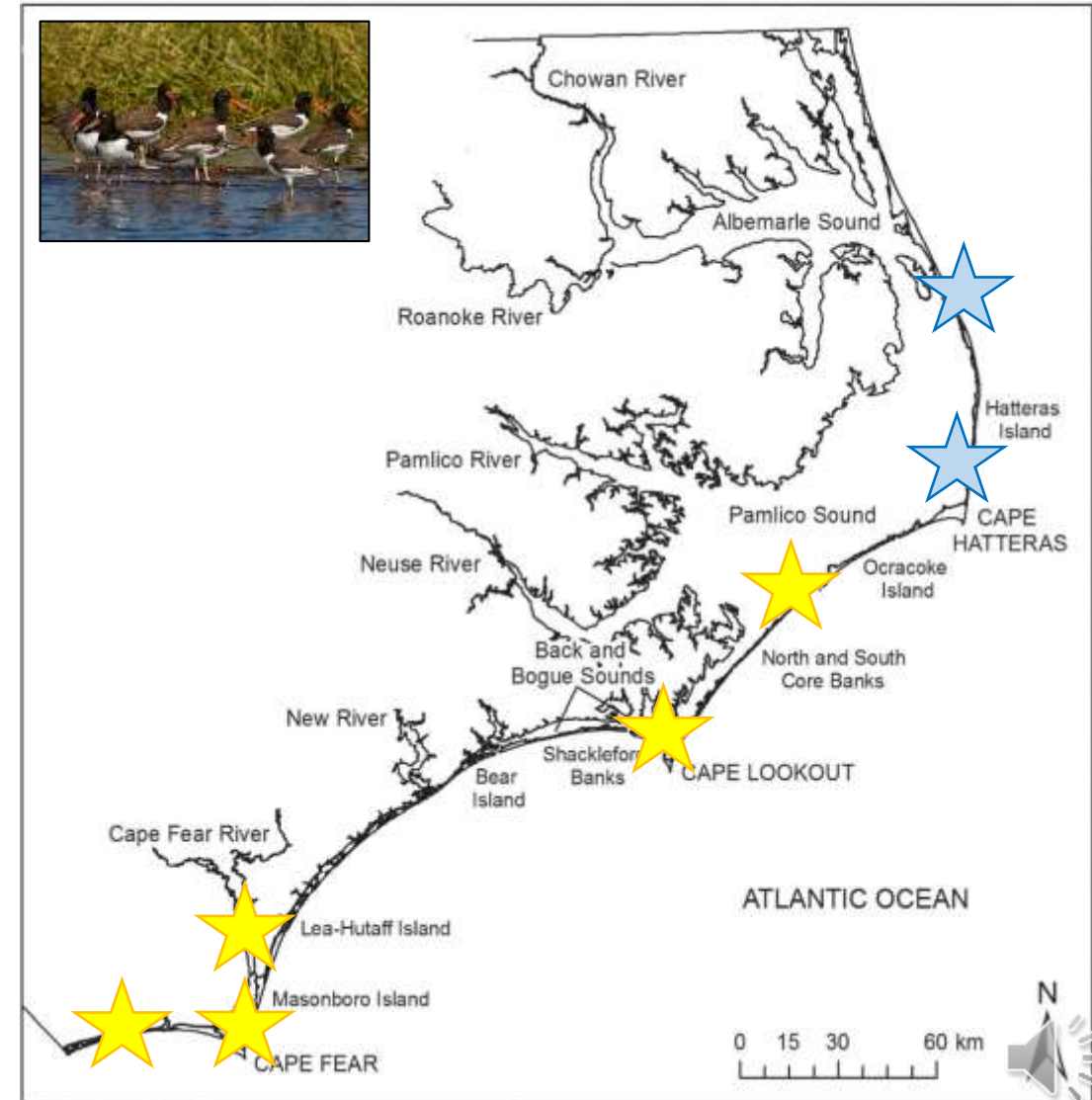
1997-2003: “old” banding scheme

1,775 total AMOY banded in NC since 1997



# Non-breeding Surveys

- Post-breeding and winter resighting on Pea Island NWR and Cape Hatteras NS
- High-tide roost surveys at five sites by Cape Lookout National Seashore, NC Coastal Reserve, and Audubon North Carolina
  - North Core Banks
  - Back Sound/Beaufort Inlet
  - Masonboro Island/Sound
  - Cape Fear River
  - Brunswick County ICW and Inlets
- Once a month Aug./Sept.-Feb./Mar.

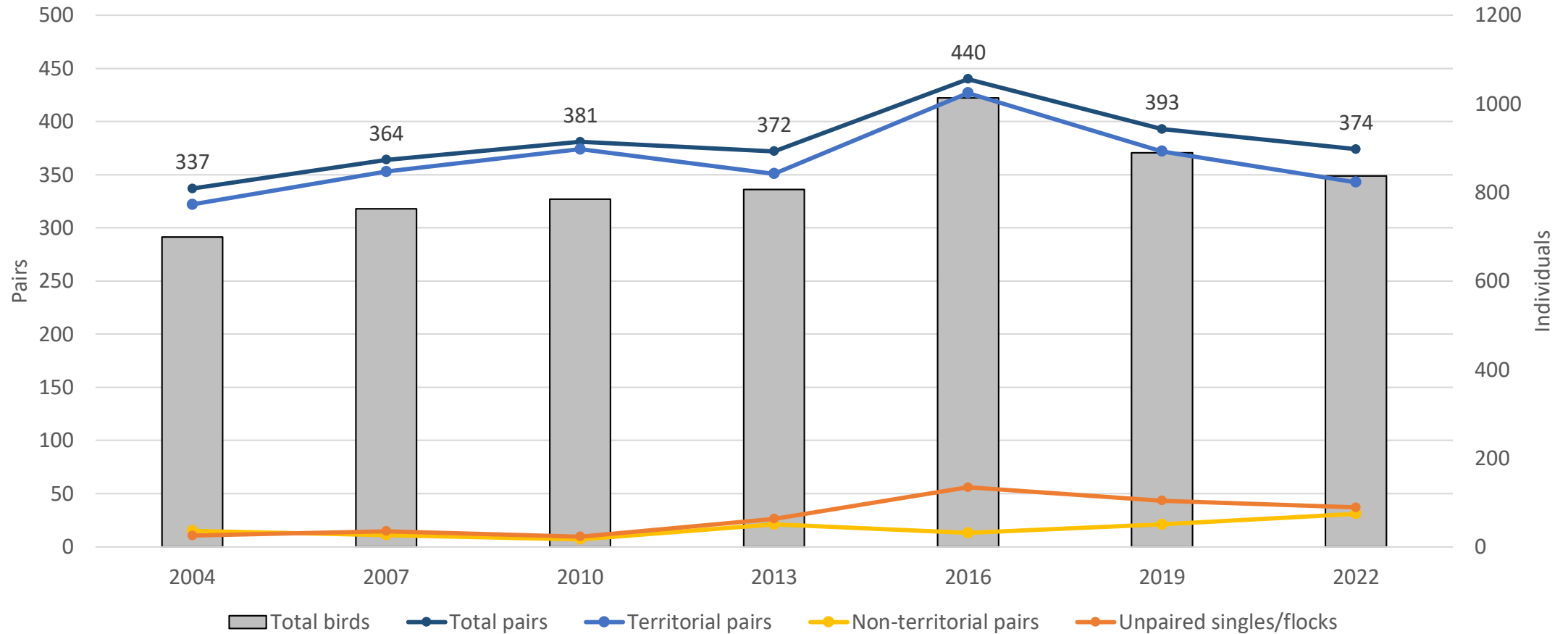


# AMOY-WIPL Census

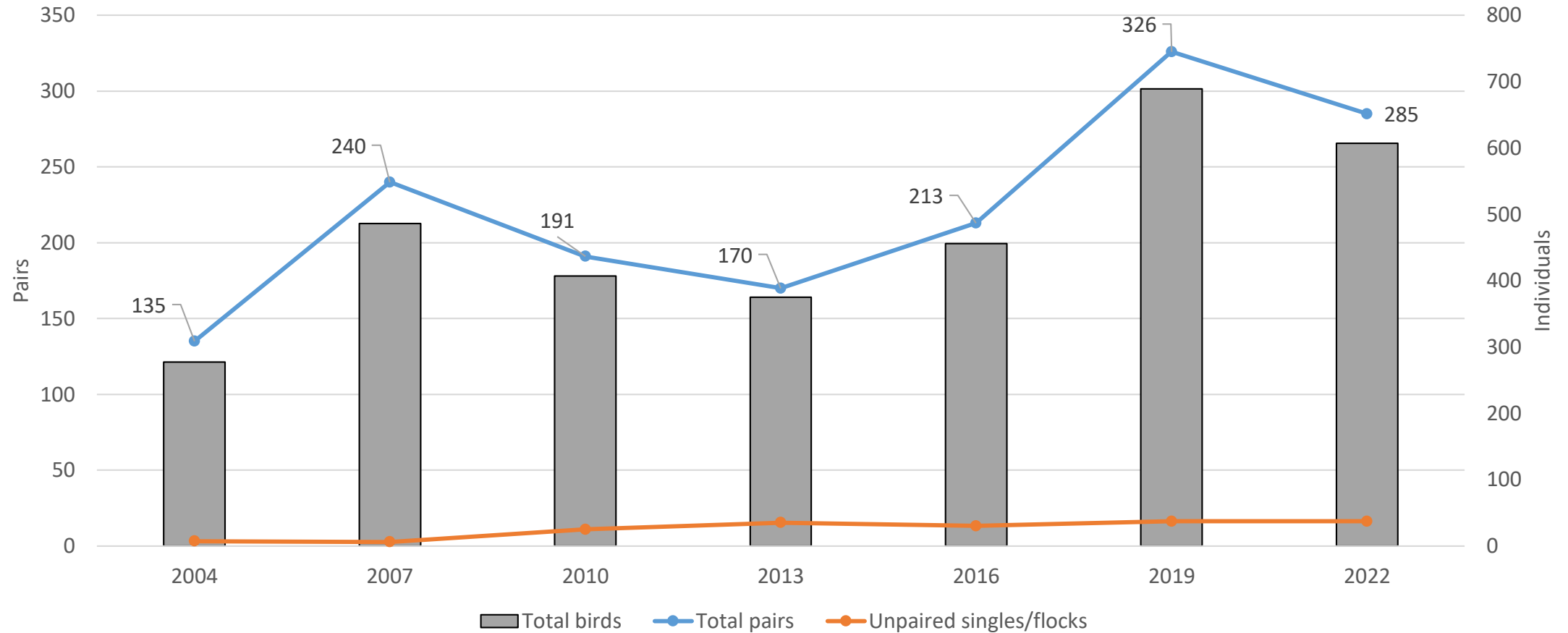
- Statewide effort since 2004
- Every third year
- Defined survey plots began to be developed in 2013 in conjunction with Nathan Hostetter
- Protocol specific to the state developed in 2019
  - Includes single high-tide site visits and cumulative-season productivity monitoring



# AMOY Statewide, 2004-2022

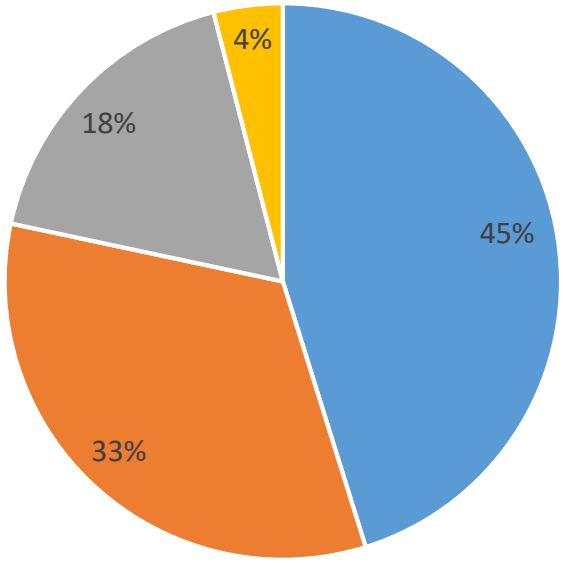


# WIPL Statewide, 2004-2022



# Total Pairs by Landscape, 2022

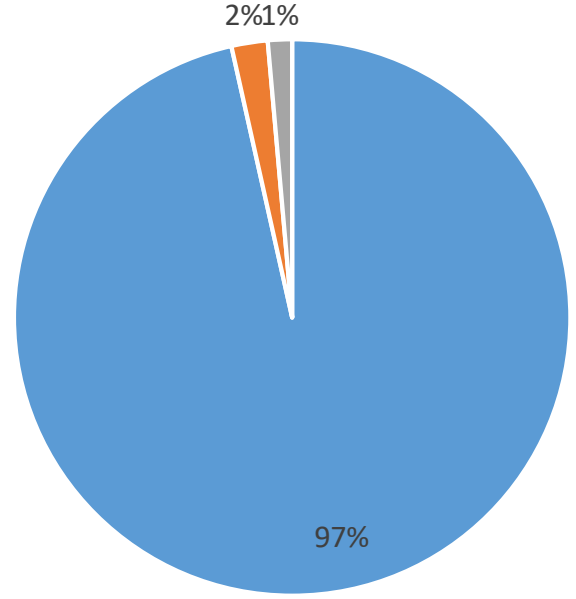
### AMOIY



■ Barrier Island ■ Natural Island ■ Dredge Island ■ Other

*Other primarily = AIWW shoreline*

### WIPL



■ Barrier Island ■ Dredge Island ■ Natural Island



Questions about this or the American Oystercatcher Band Database:

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