

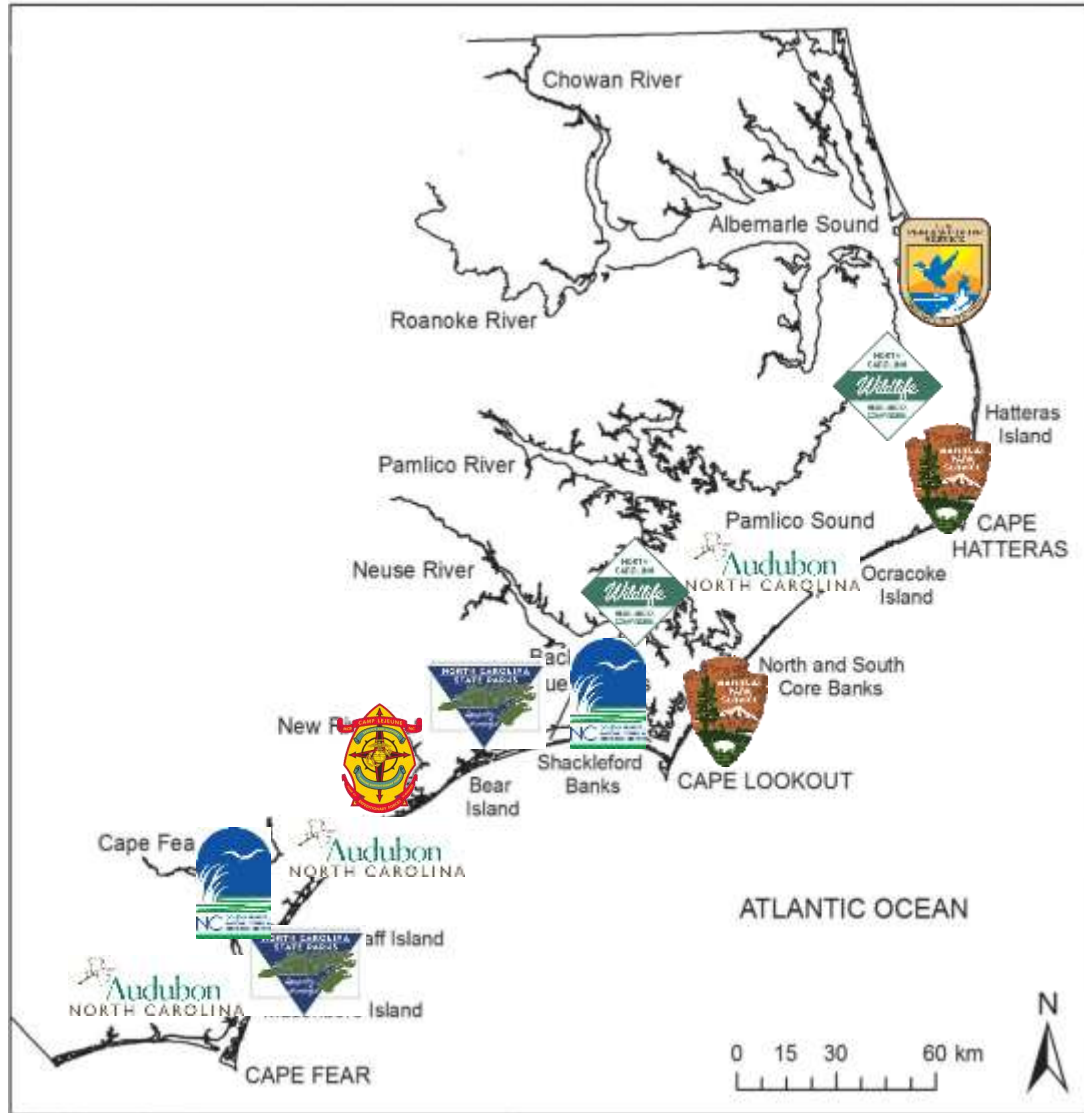
North Carolina 2021 Update



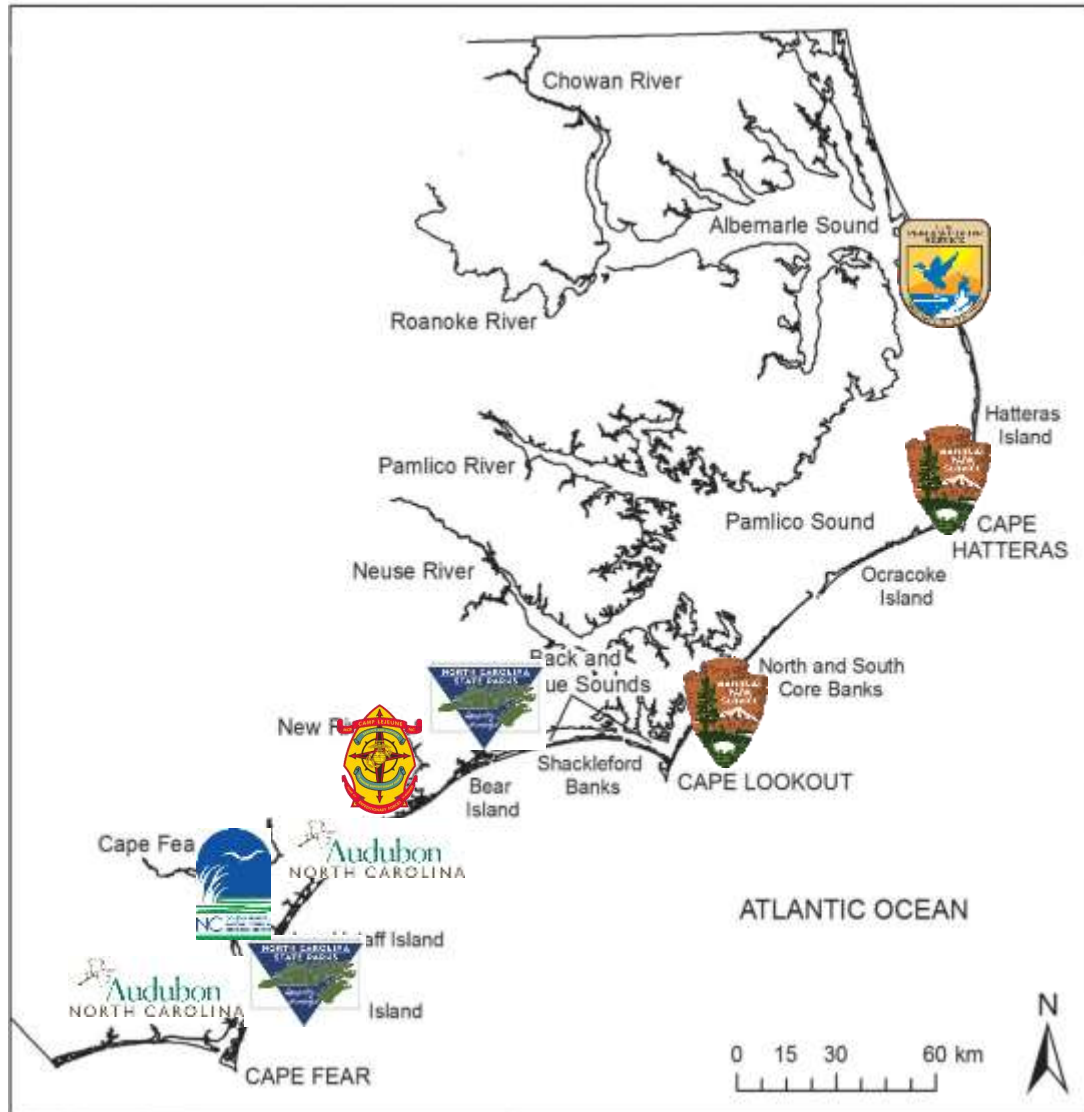
LINDSAY ADDISON
COASTAL BIOLOGIST



AMOY Partners in NC



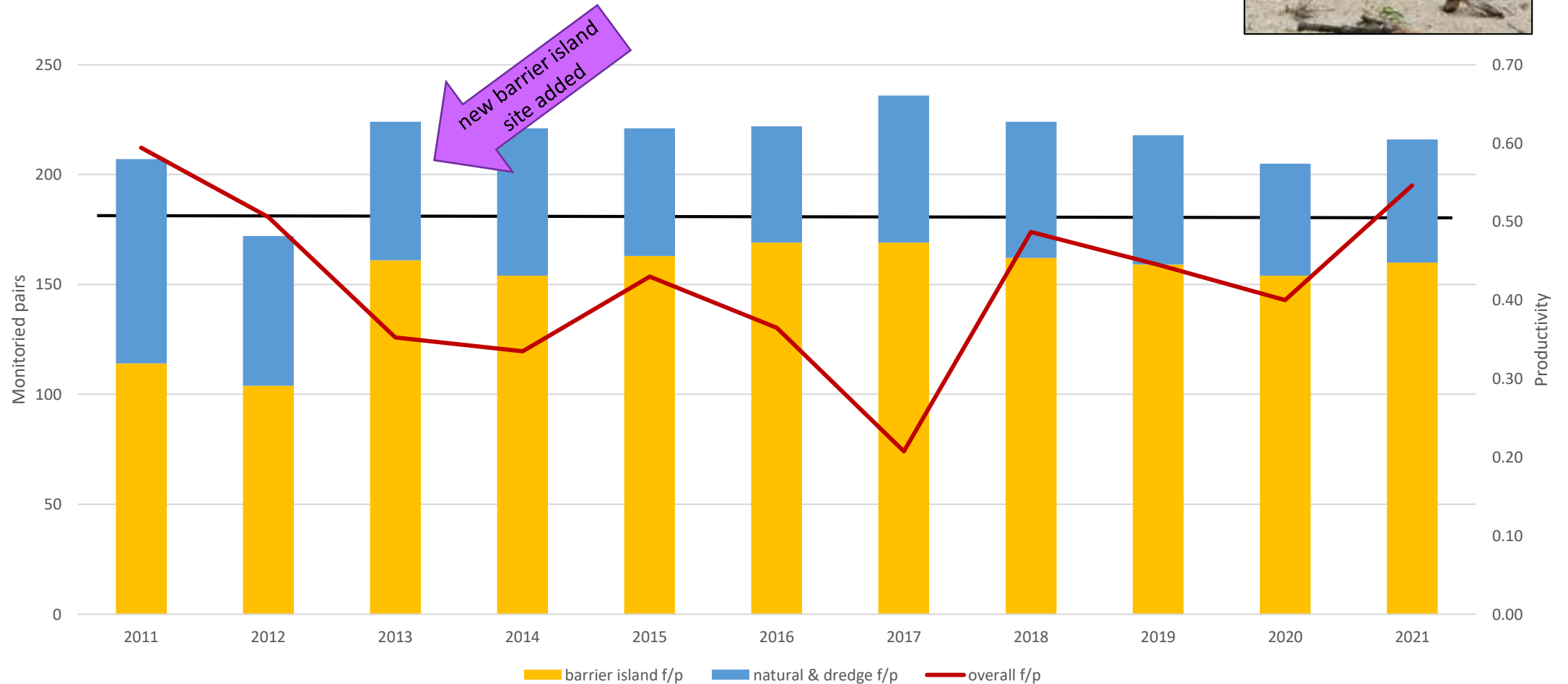
Annual Productivity Monitoring



- 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



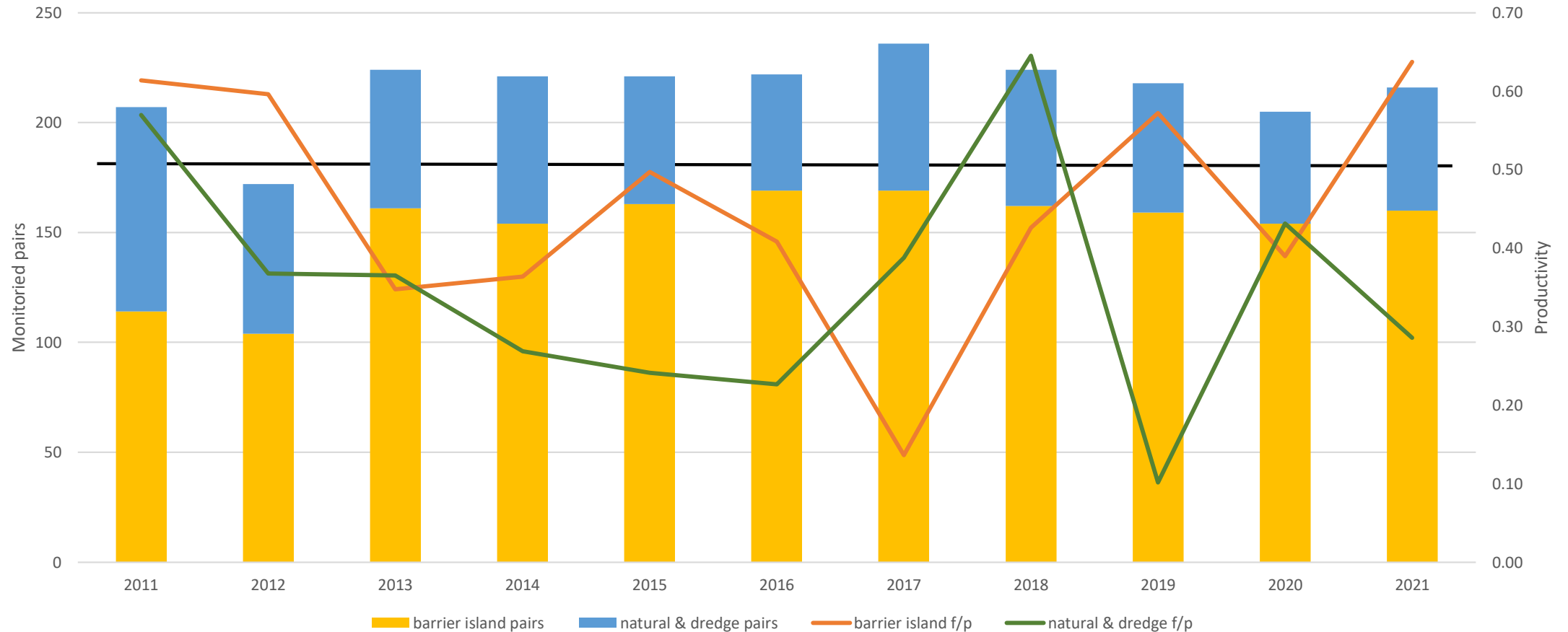
Productivity 2011-2021



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



Productivity 2011-2021



Across all years:

mean barrier pairs monitored = 151
 mean other pairs monitored = 63

mean barrier productivity = 0.45
 mean other productivity = 0.35

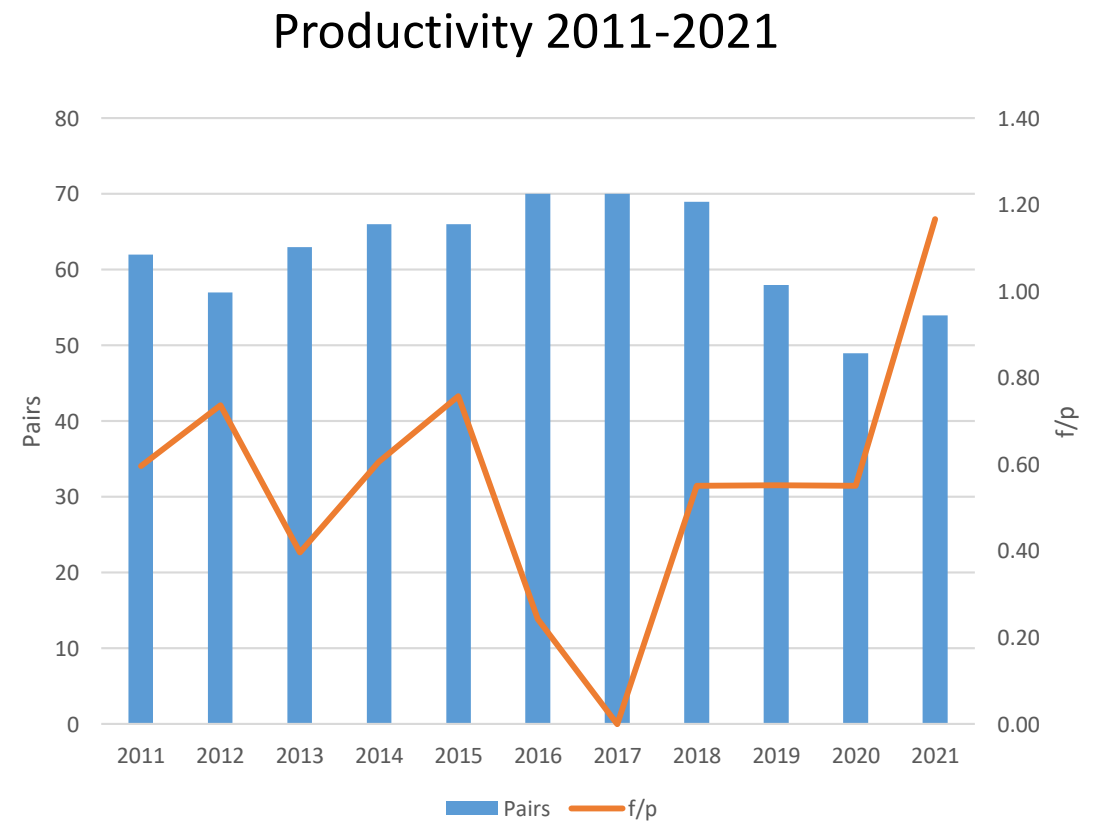
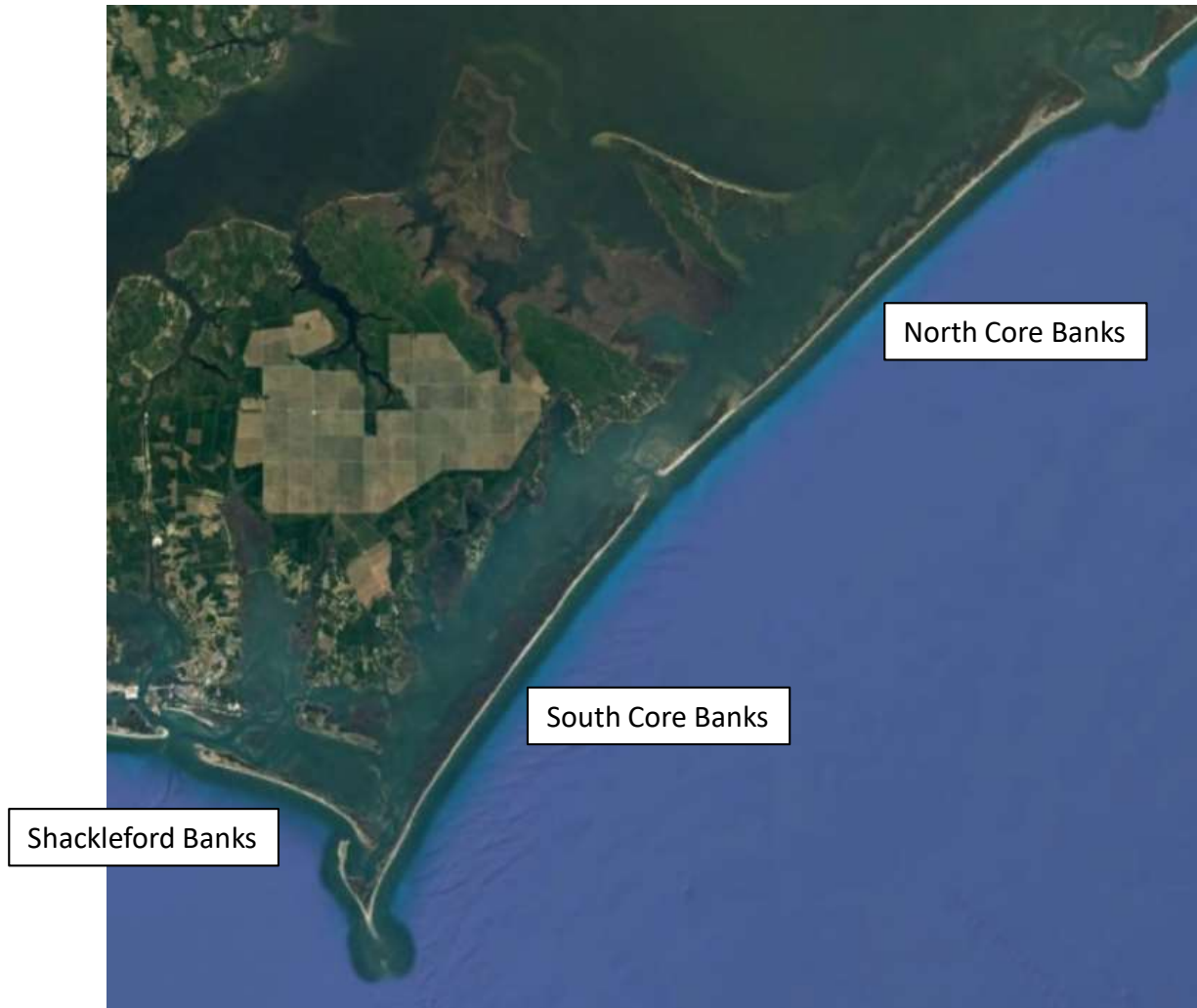


Causes of Failure

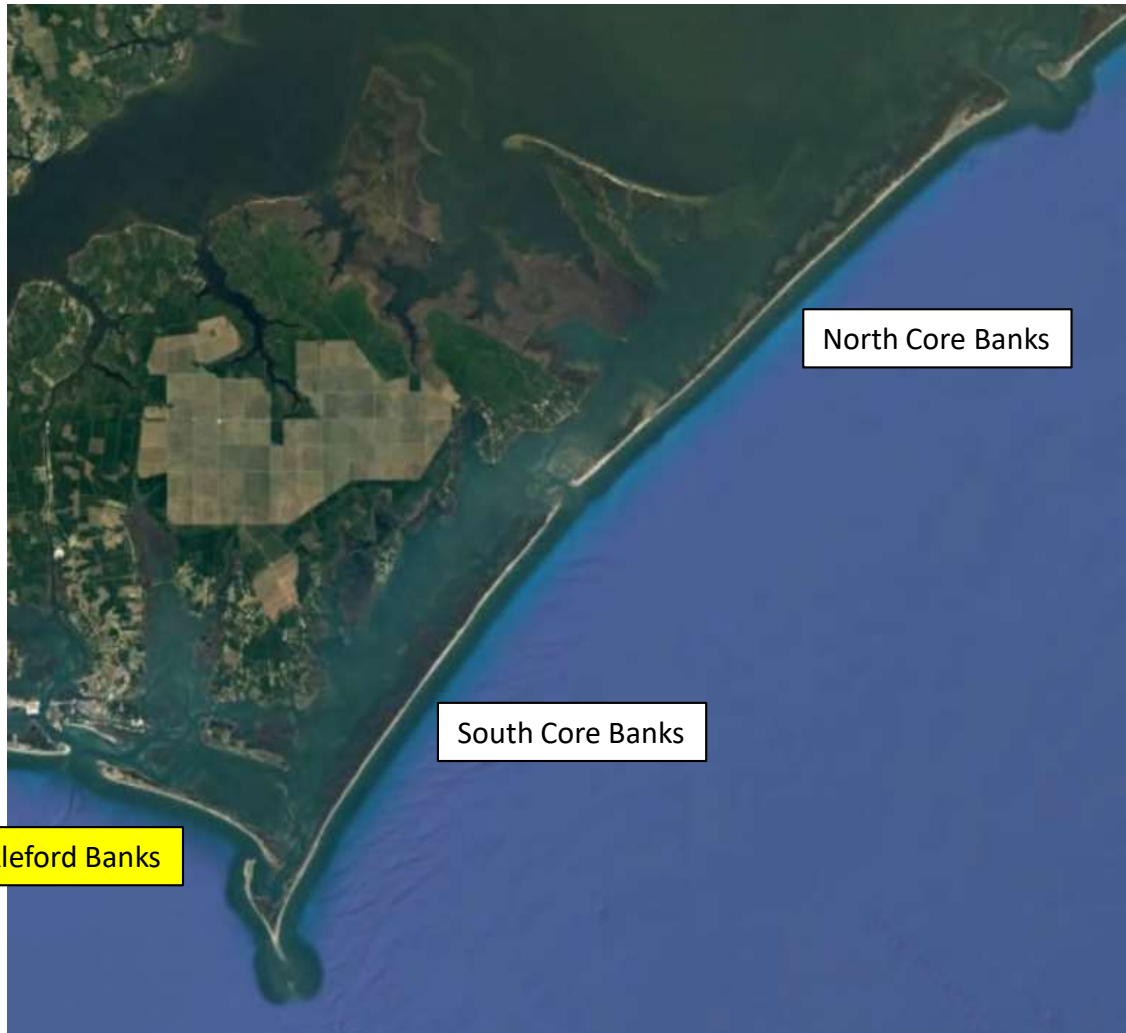
2021



Cape Lookout National Seashore



Cape Lookout National Seashore



Shackleford Banks

- Typically 7-8 pairs, low productivity
- Recently dropped to 1 then 0 pairs
- Working on predator management



Cape Lookout National Seashore



Shackleford Banks

- Typically 7-8 pairs, low productivity
- Recently dropped to 1 then 0 pairs
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South Core Banks

- Usually lags North Core in productivity, but had 1.5 f/p this year
- Consistent predator management
- Habitat improvements from storms



Cape Lookout National Seashore



Shackleford Banks

- Typically 7-8 pairs, low productivity
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South Core Banks

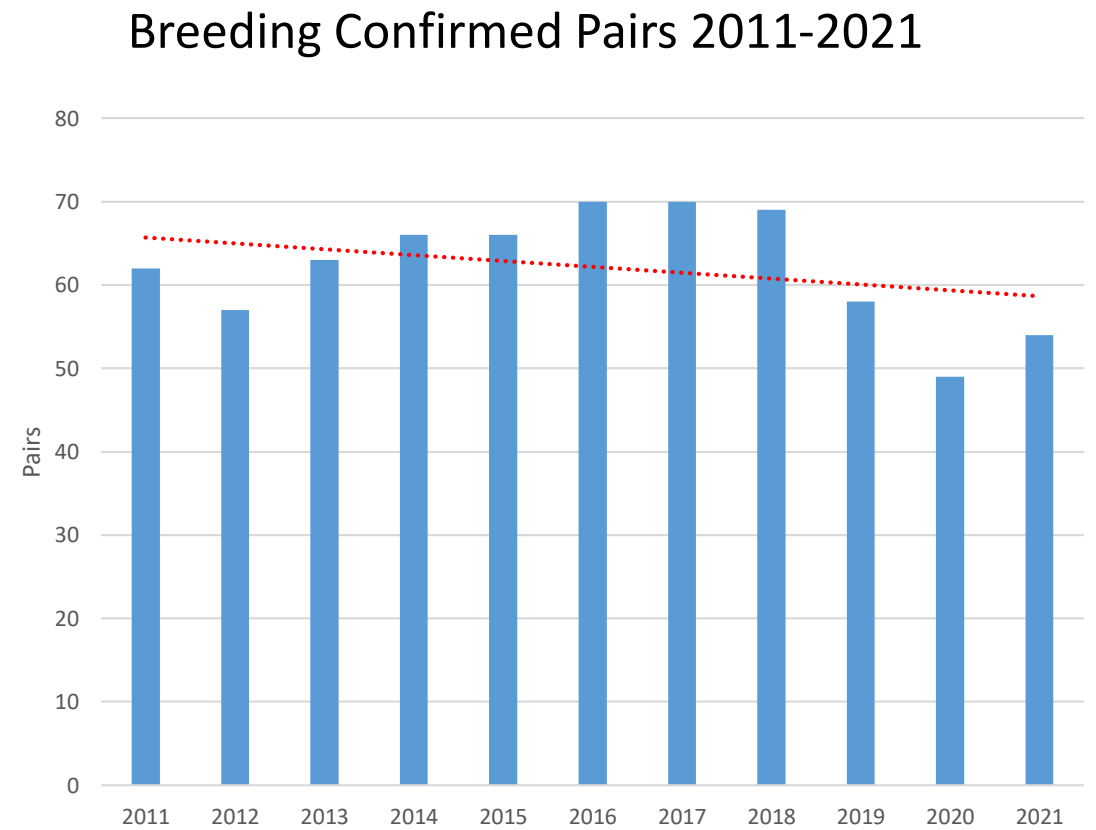
- Usually lags North Core in productivity, but had 1.5 f/p this year
- Consistent predator management
- Habitat improvements from storms

North Core Banks

- Usually has the best productivity, had 1.1 f/p this year
- Consistent predator management
- Habitat improvements from storms



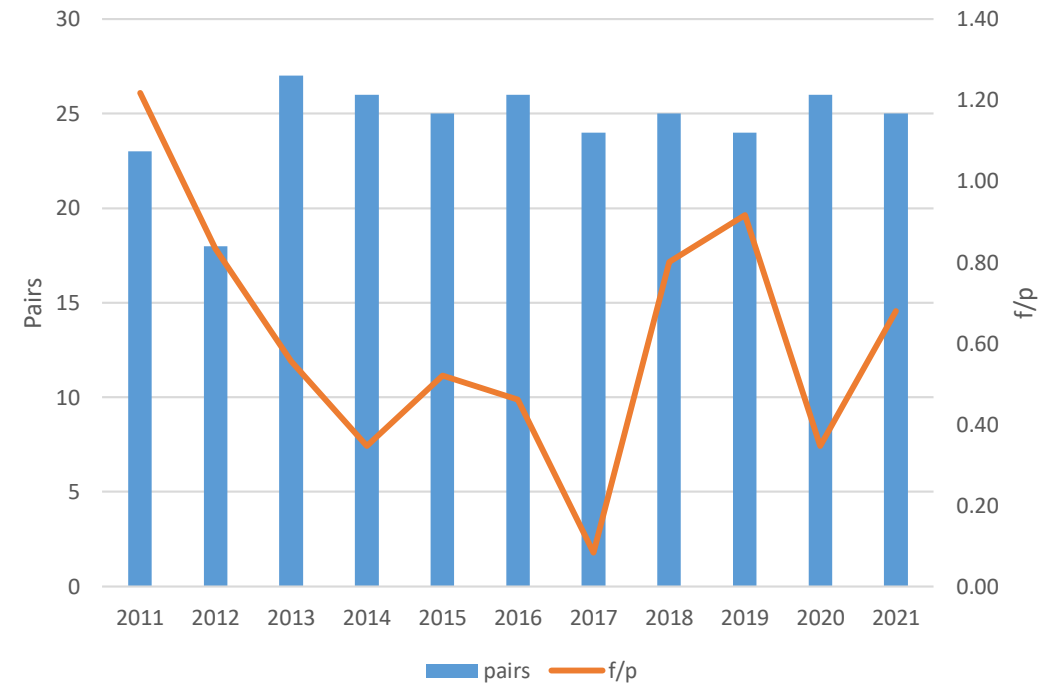
Cape Lookout National Seashore



Cape Hatteras National Seashore



Breeding Confirmed Pairs 2011-2021



Cape Hatteras National Seashore: Adoption



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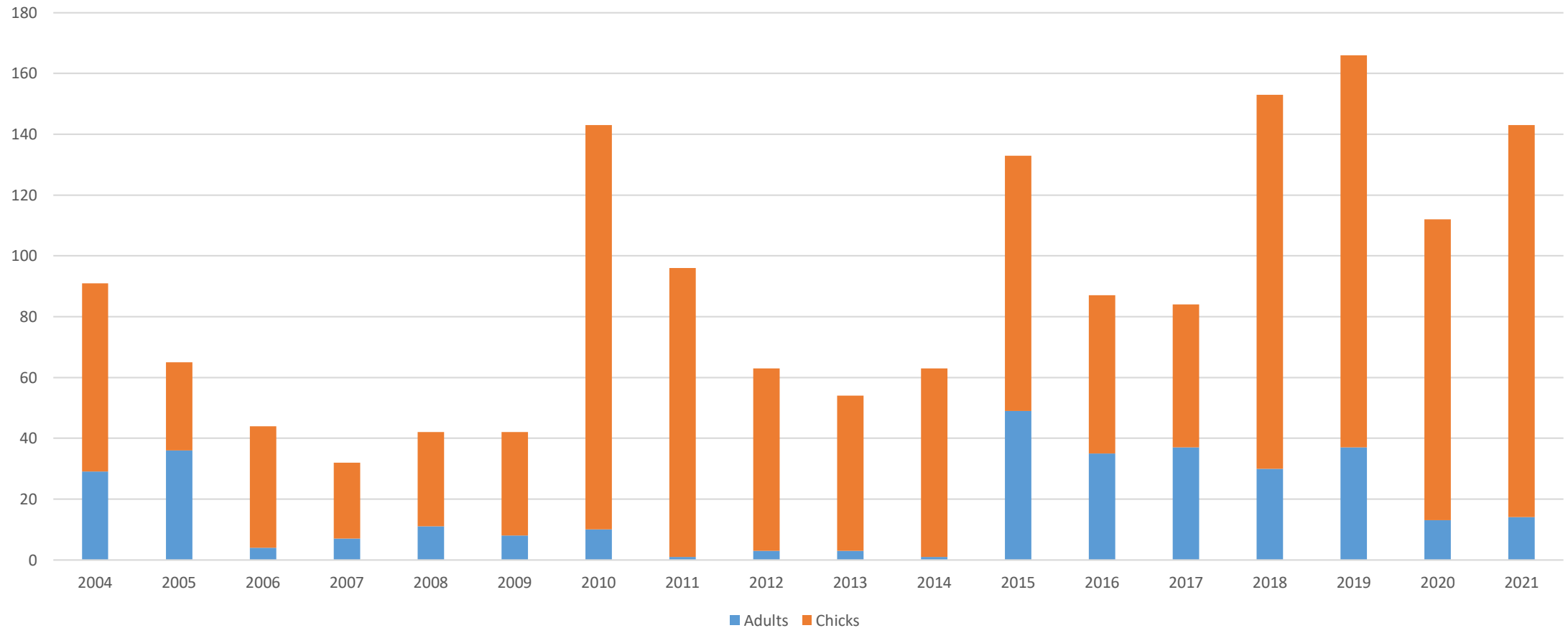
Cape Hatteras National Seashore: Adoption



Kristin Trouton



State-wide Banding: 2004-2021



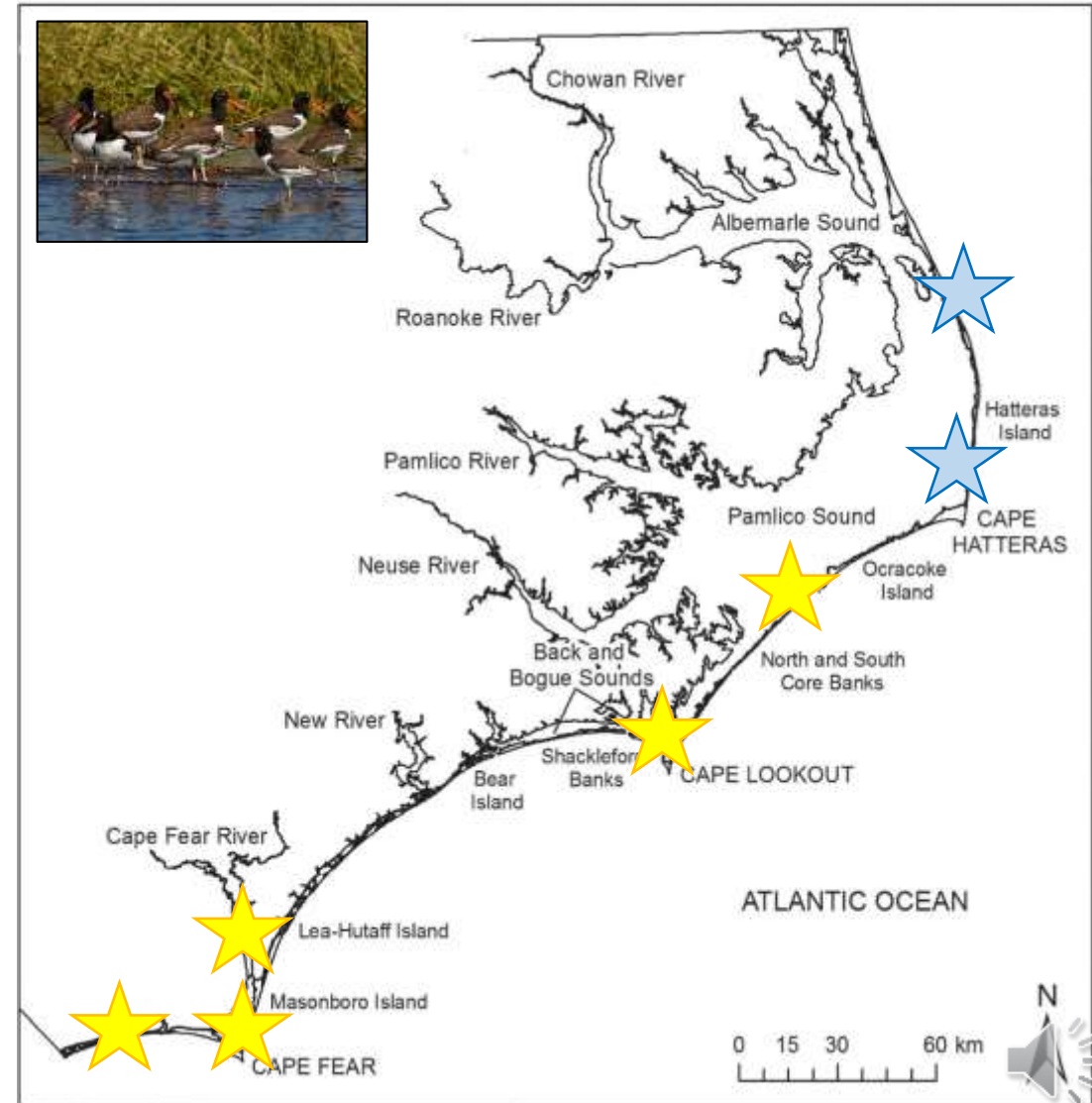
1997-2003: “old” banding scheme

1,713 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 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 Sept.-Feb./Mar.



AMOY-related Research

Heavy Metals in AMOY



AMOY Data Loggers



AMOY-related Research

Heavy Metals in AMOY

- UNC-Wilmington:

Anna Zarn, Angie Hall, Steve Emslie, Stephen Skrabal, Sara Schweitzer

- Samples from AMOY food chain: water column, sediments, shellfish (mussels and oysters), chick feathers

AMOY Data Loggers



AMOY-related Research

Heavy Metals in AMOY



AMOY Data Loggers

- University of Oklahoma:
Kate Goodenough
- With Pea Island NWR, Cape Lookout NS, NC Coastal Reserve, and Audubon NC, we're studying fine-scale habitat use across different nesting landscapes



Questions about this or the American Oystercatcher Band Database:

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