

A flock of Sooty Terns is shown in flight against a clear, light blue sky. The birds are white with black caps and long, straight, reddish-orange bills. They are captured in various stages of flight, with wings spread wide, creating a sense of movement and freedom. The birds are scattered across the frame, with some in the foreground and others further back, adding depth to the image.

# Multi-Species Monitoring and Management...

*in the context of AMOY recovery*

Alexandra Wilke, Felicia Sanders,  
and Brad Andres

AOWG Annual Meeting

Wilmington, NC

December 10, 2013

# AMOI Working Group Survey

- Queried members about efforts to manage for AMOI and other species.
  - Alex summarized results from 12 Atlantic and Gulf coast states.
  - At least 847 miles of shoreline (26%) managed for AMOI in nine reporting states.
- positive actions affecting 1,516 AMOI pairs.

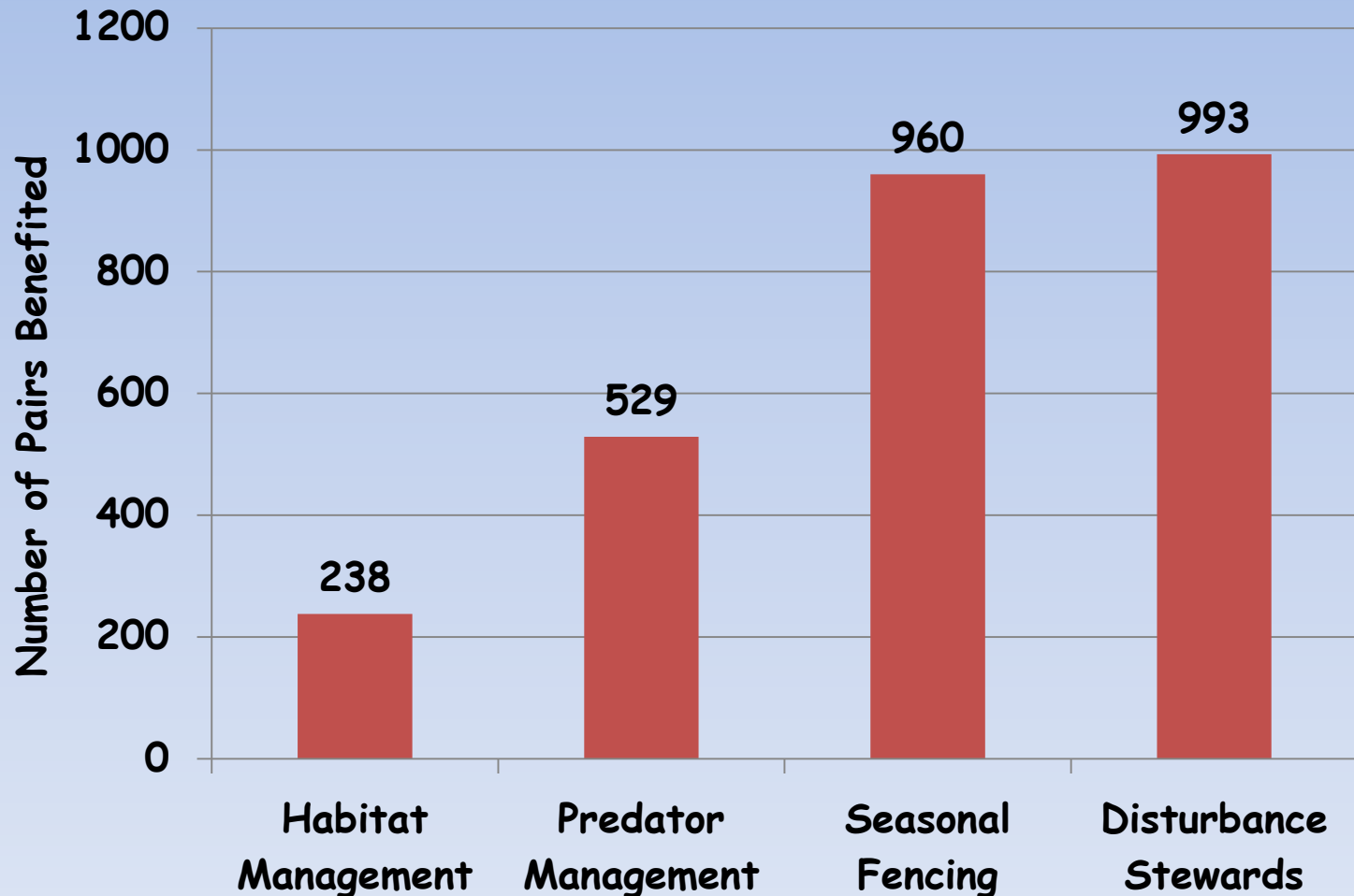
## 22 representatives from 12 different states responded

- Audubon Connecticut
- Audubon North Carolina
- Cape Hatteras National Seashore
- Cape Lookout National Seashore
- Conserve Wildlife Foundation of New Jersey
- Florida Fish and Wildlife Conservation Commission
- Georgia Department of Natural Resources - Nongame Conservation Section
- Gulf Coast Bird Observatory
- Louisiana Department of Wildlife and Fisheries
- Maine Inland Fisheries and Wildlife
- Manomet Center for Conservation Sciences
- Mass Audubon
- Massachusetts Natural Heritage and Endangered Species Program
- North Carolina Wildlife Resources Commission
- South Carolina Department of Natural Resources
- The Nature Conservancy
- US Fish and Wildlife Service
- Virginia Department of Game and Inland Fisheries

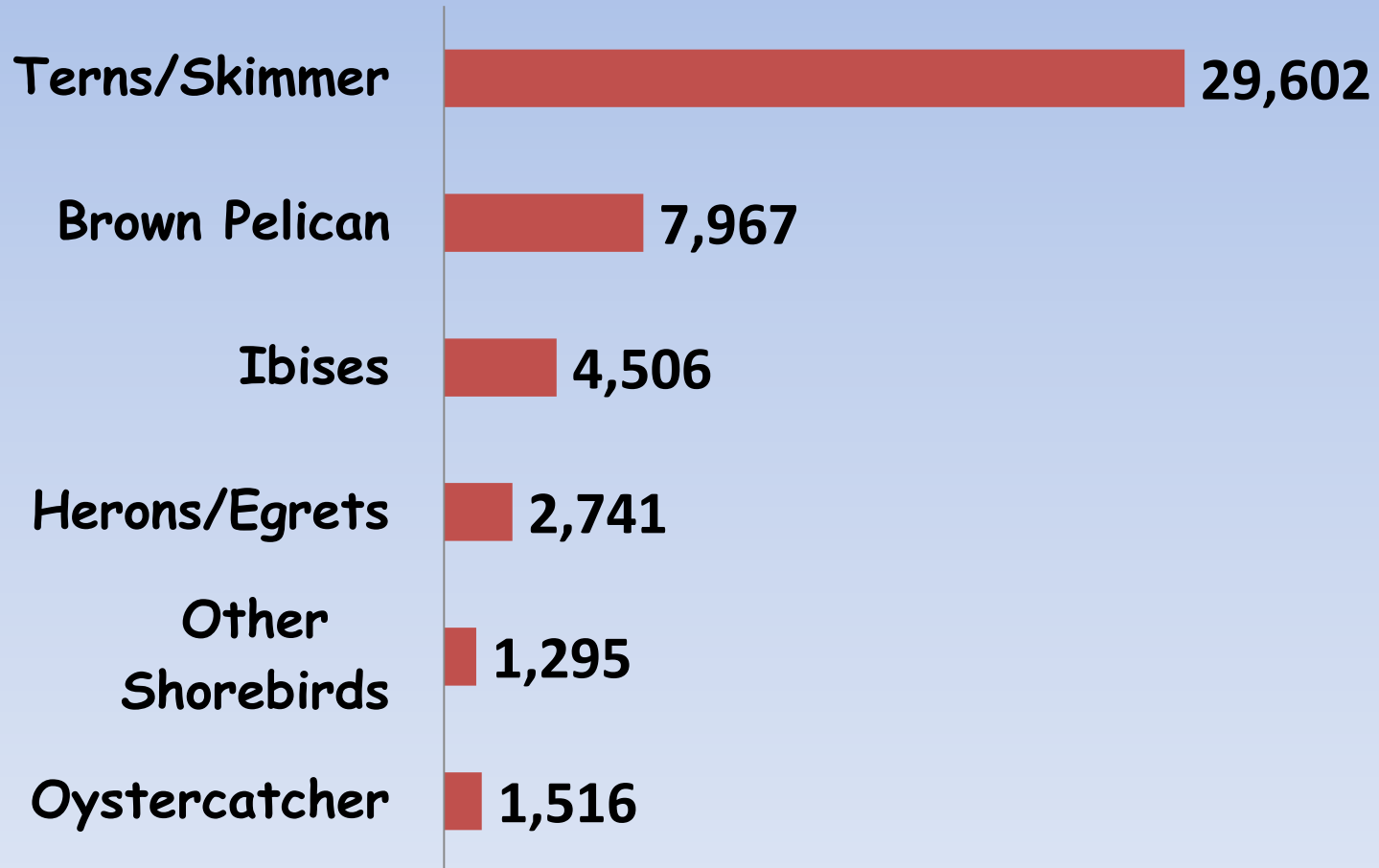
# Number of AMOY pairs impacted by Waterbird Conservation Efforts *(12 of 18 states reporting)*

State	Total AMOY pairs impacted	Mammalian predator management	Seasonal posting and symbolic fencing	Stewardship for disturbance mgt.	Habitat management	Population monitoring	Reproduct. monitoring
ME	4	4		3		4	4
MA	200	60	93	93	65	200	166
RI	27		12	12	8	27	27
CT	53		35	35		46	46
NJ	85						
VA	436	340	404	404		421	332
NC	222	49	130	183	129	222	222
SC	100	20	90	50	10	100	20
GA	72	56	50	72	16	100	60
FL	117		56	1		58	58
LA	70		10	10	10	30	
TX	130		80	130		130	130
<b>TOTAL</b>	<b>1516</b>	<b>529</b>	<b>960</b>	<b>993</b>	<b>238</b>	<b>1338</b>	<b>1065</b>

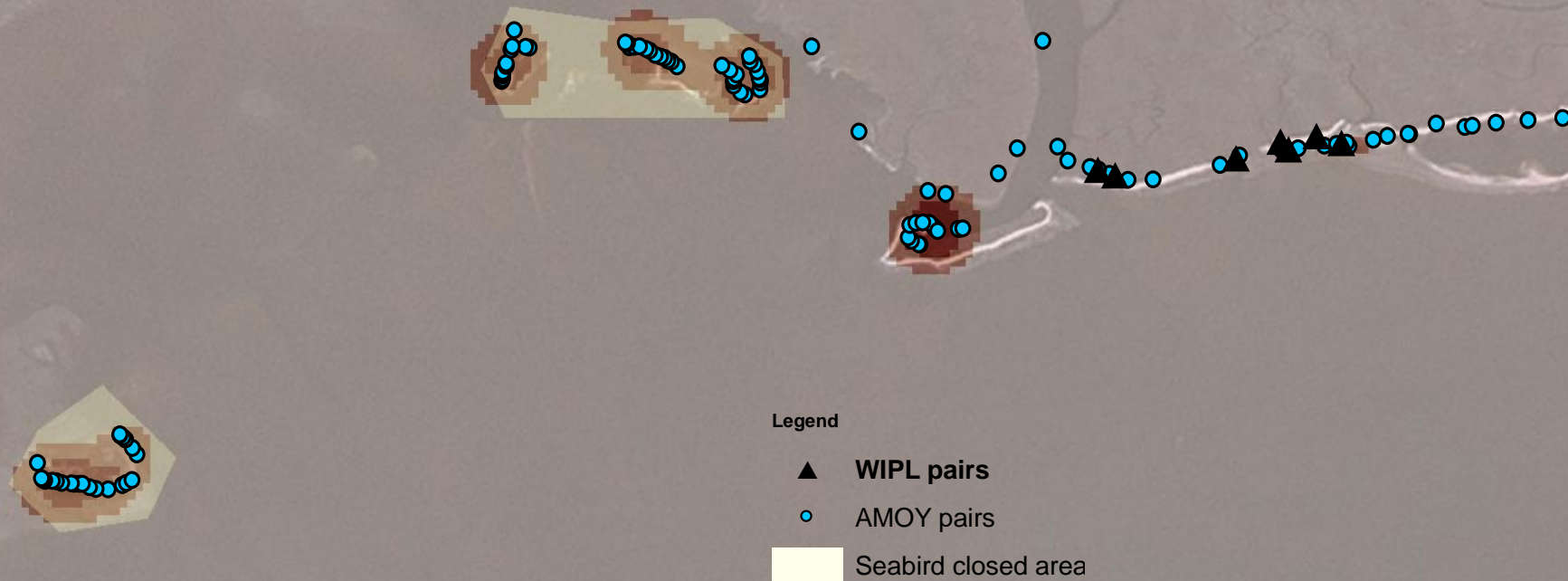
# Management Actions taken for Breeding Oystercatchers (n=1,516 pairs)



# Benefits to Other Breeding Birds (30X more pairs)



# Reverse Benefits of Closing Seabird Areas in South Carolina



Fencing for seabirds provides management protection in SC for 25% of the state's 400 breeding oystercatcher pairs



# Examples of Existing Projects

## South Atlantic Landscape Conservation Cooperative Project: sea level rise impacts on coastal nesting species

Google x South Atlantic Lands x

vonholle.cos.ucf.edu/research/south-atlantic-bight/

Home People Publications **Research** Teaching

**Protected: South Atlantic Landscape Conservation Cooperative (SALCC) Project**

To view the Coastal Vulnerability Index (2050 CVI) risk assessment of coastal habitat and the mapped nesting distributions of coastal nesting species, please select the appropriate link:

[SEABIRDS](#) [SHOREBIRDS](#) [MARINE TURTLES](#)

Research Description  
*Sea Level Rise Impacts on Coastal Nesting Species*

SALCC project

Coastal Vulnerability Index (CVI) Risk Assessment

- Low
- Moderate
- Moderately High
- High
- Very High
- Extremely High

American Oystercatcher Nesting Density

- None
- Low
- Moderate
- Moderately High
- High
- Very High
- Extremely High

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YouTube

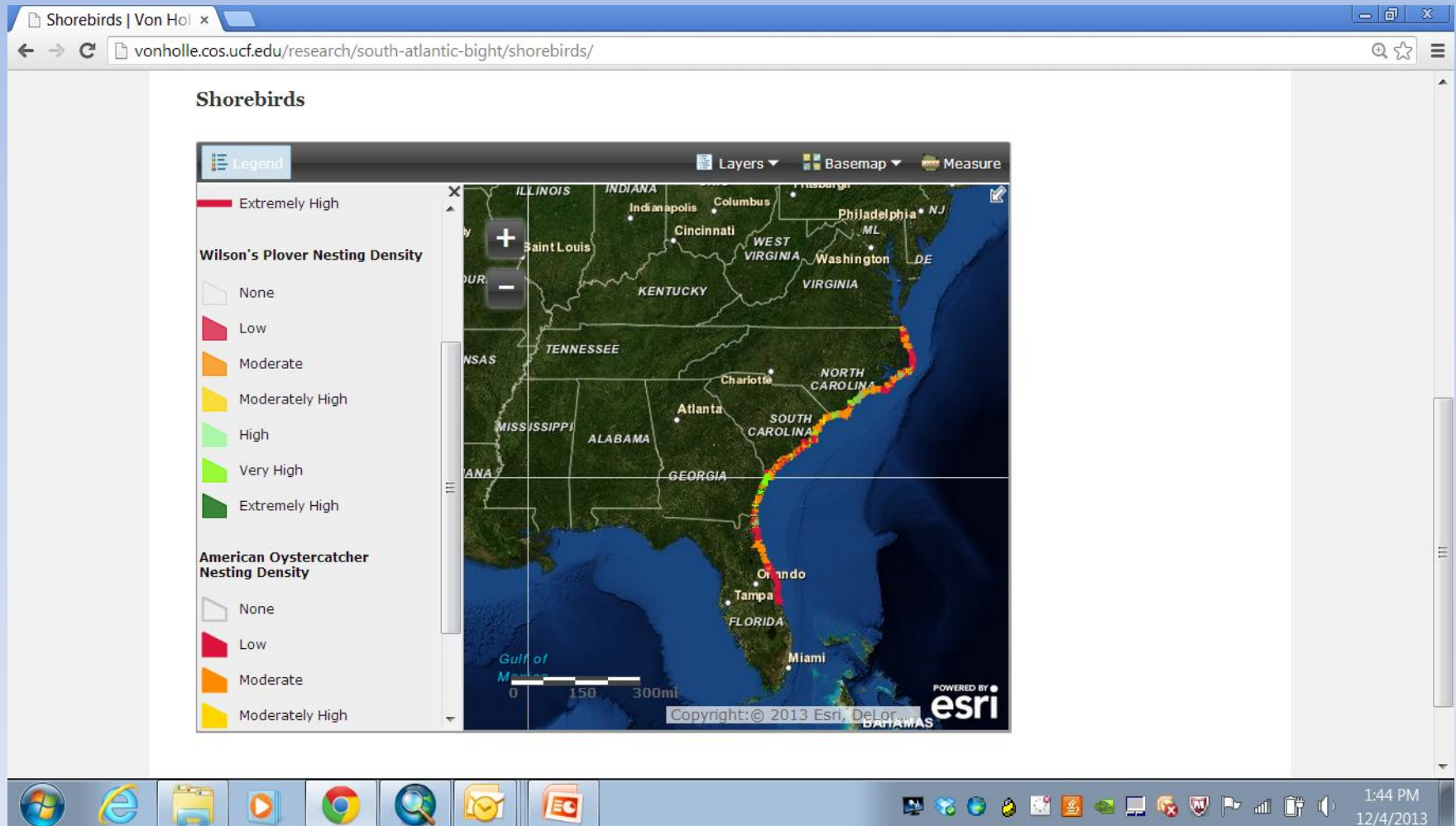
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Von Holle et al. 2013, in progress

<http://vonholle.cos.ucf.edu/research/south-atlantic-bight/>

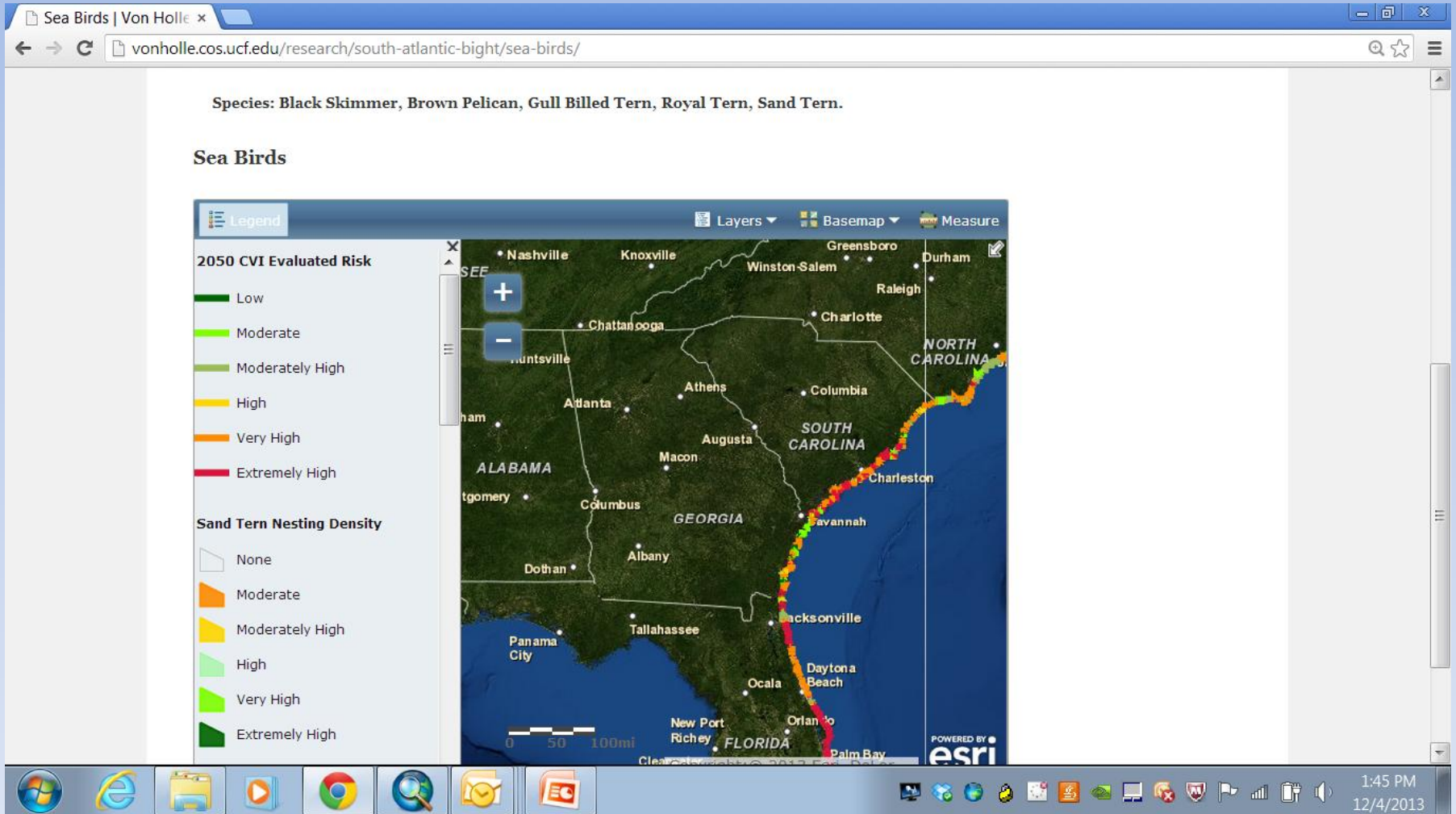


# Oystercatchers and Wilson's Plovers



Von Holle et al. 2013, in progress  
<http://vonholle.cos.ucf.edu/research/south-atlantic-bight/>

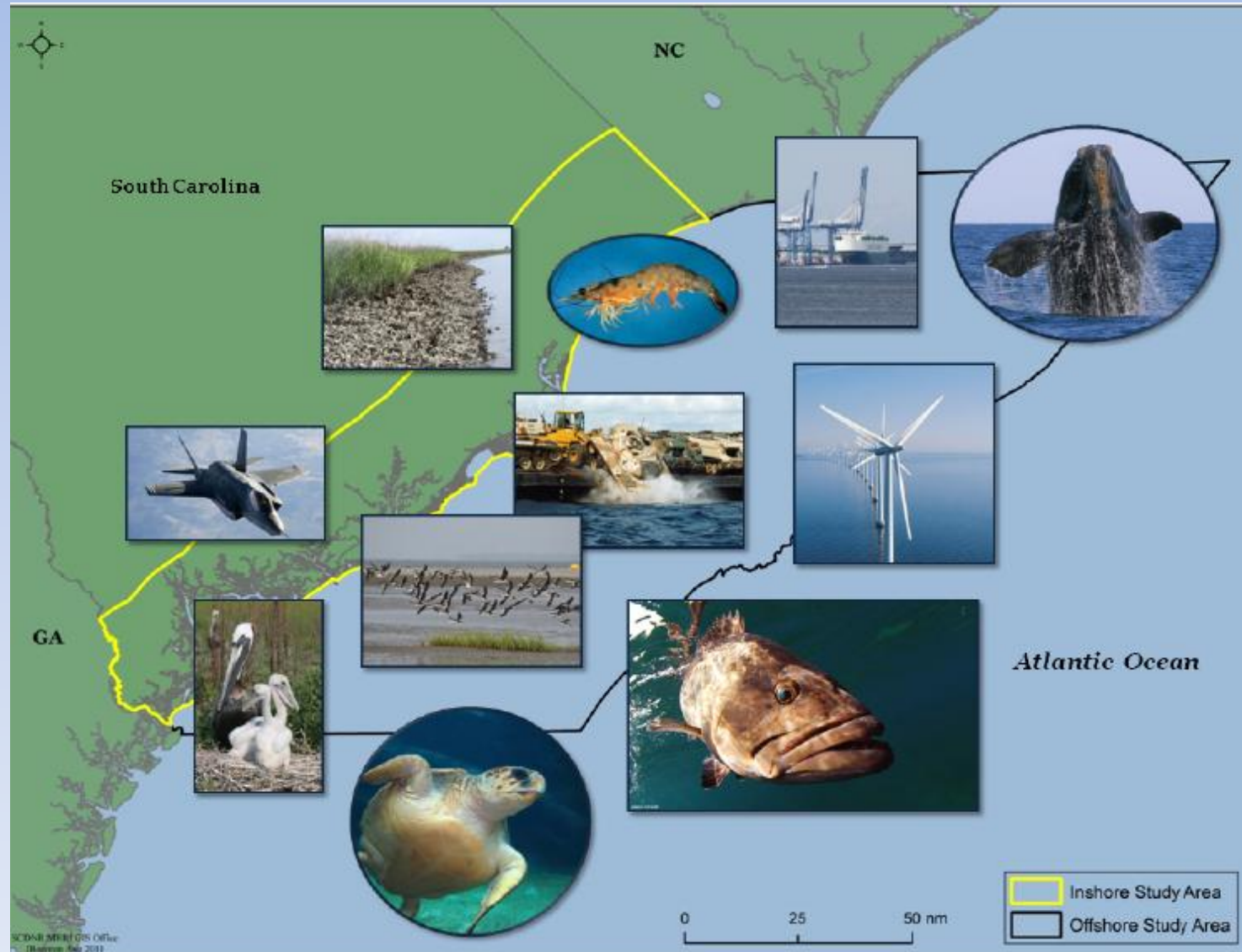
# Seabirds



Von Holle et al. 2013, in progress

<http://vonholle.cos.ucf.edu/research/south-atlantic-bight/>

# Spatial mapping project submitted to SC Energy Office by SCDNR



# Multispecies management

- NFWF grants
- Sea level rise assessments
- Wind energy planning
- It's the future!

