

Sea Turtles: The Ocean's Canaries in the Coal Mine

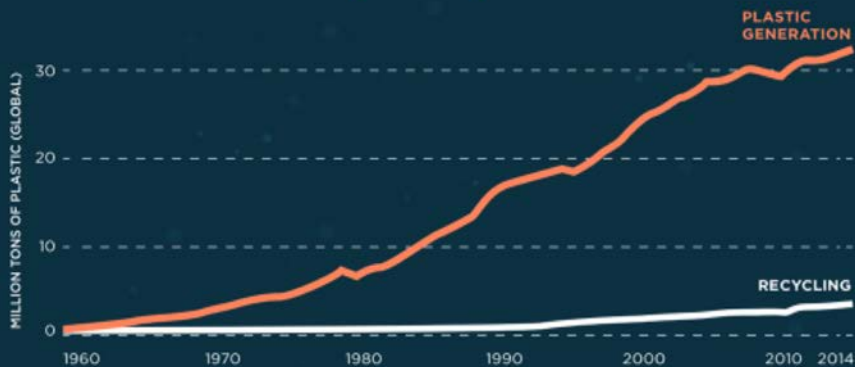


2018 Annual Meeting
Kelly Thorvalson, Conservation Programs Manager
South Carolina Aquarium



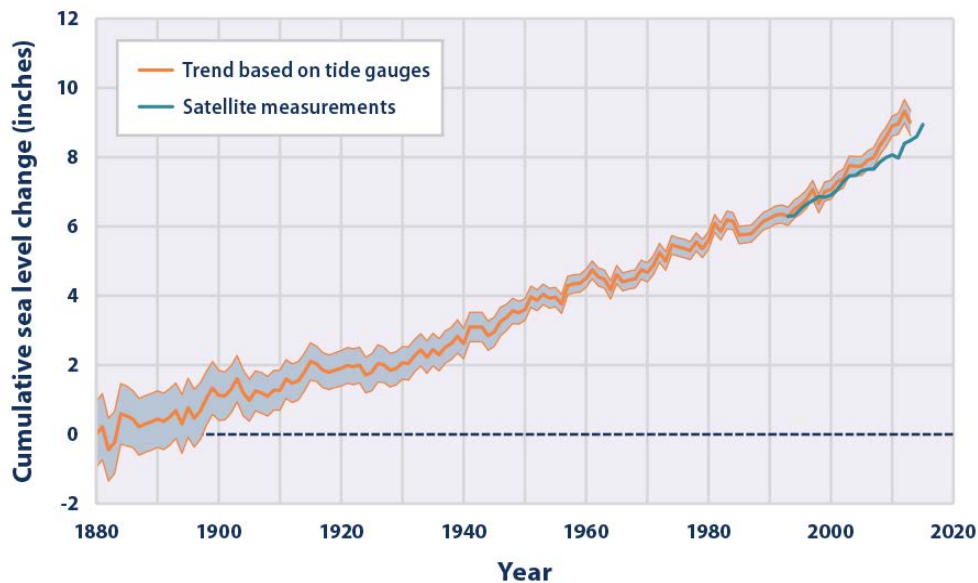


OUR CHOICES ARE TRANSFORMING THE OCEAN, LAKES, AND RIVERS



Plastic is now found in almost every marine habitat on Earth, and we're producing more than we can sustainably manage.

A. LUSHER, MICROPLASTICS IN THE MARINE ENVIRONMENT: DISTRIBUTION, INTERACTIONS AND EFFECTS, MARINE ANTHROPOGENIC LITTER, 2015.



SEA RISE Beta

Sea Level Rise: 0 ft

Viewable Map Layers

Environmental Data

Sea Turtle Nesting Beaches

Population Data

Density

Elderly

Social Vulnerability

Infrastructure Data

Critical Facilities

Evacuation Routes

Citizen Science Data

[Upload Data to Help Your Community](#)

Effects for Charleston, SC



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Update scenario to see calculated #s

Enter address or place



Orangeburg

North Charleston

Mt Pleasant Charleston

Myrtle Beach

Long Bay

Beaufort

Atlantic Ocean

30km
20mi

SEA RISE

Beta

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Effects for Charleston, SC



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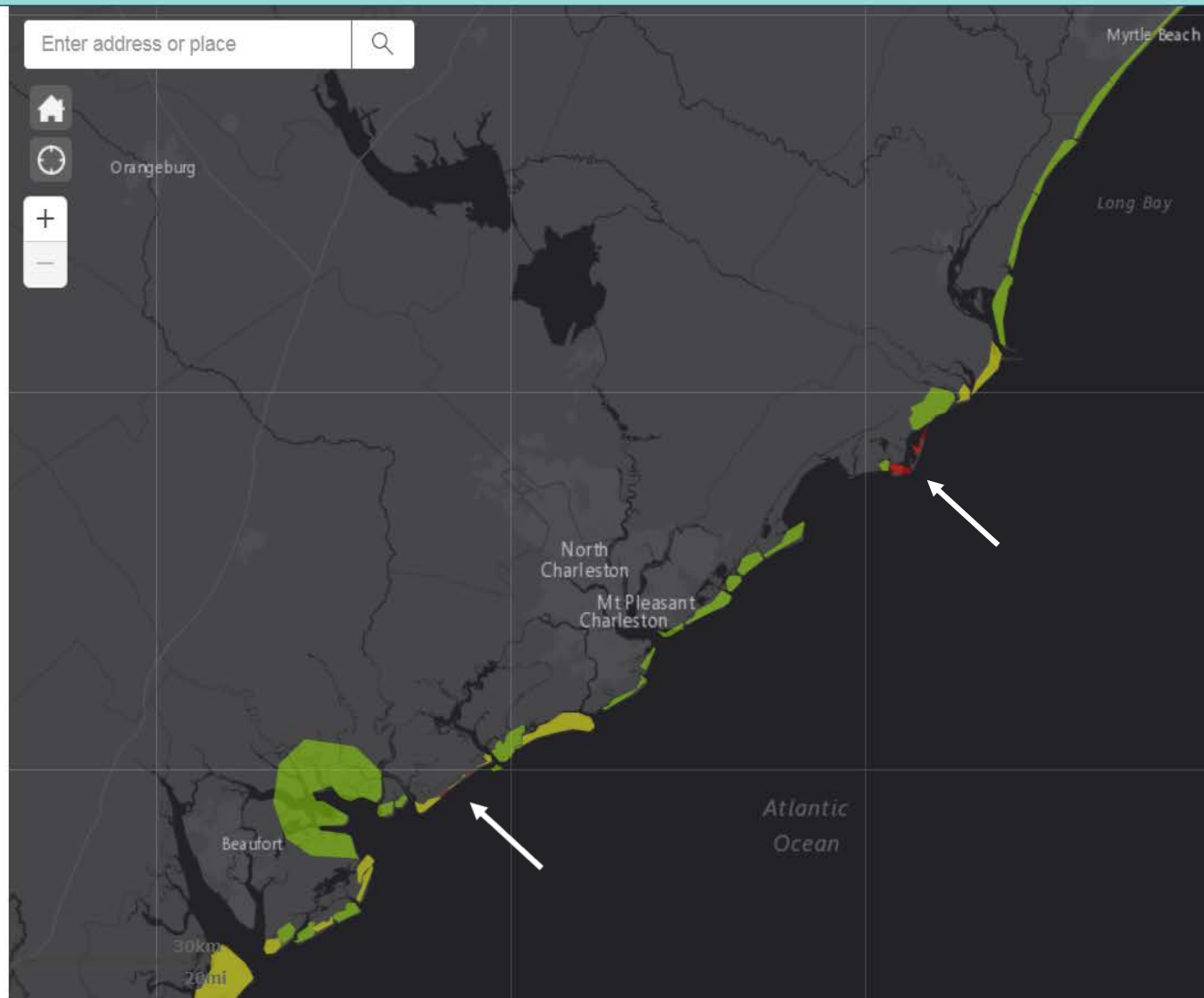
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Update scenario to see calculated #s



SEA RISE Beta

Sea Level Rise: 1 ft

Viewable Map Layers

Environmental Data

Sea Turtle Nesting Beaches

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Density

Elderly

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Effects for Charleston, SC



29,178

19.1%



38

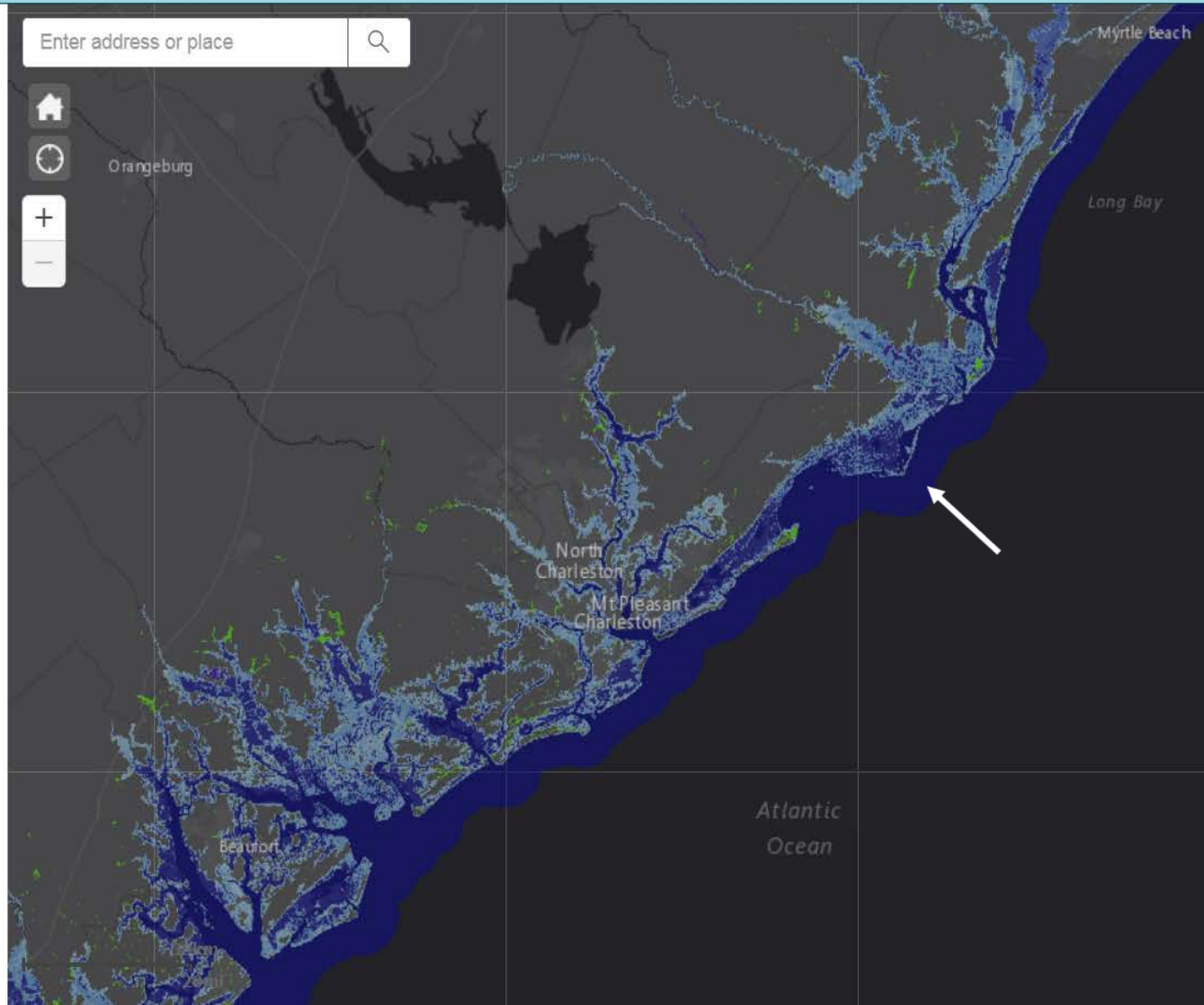
0.1%

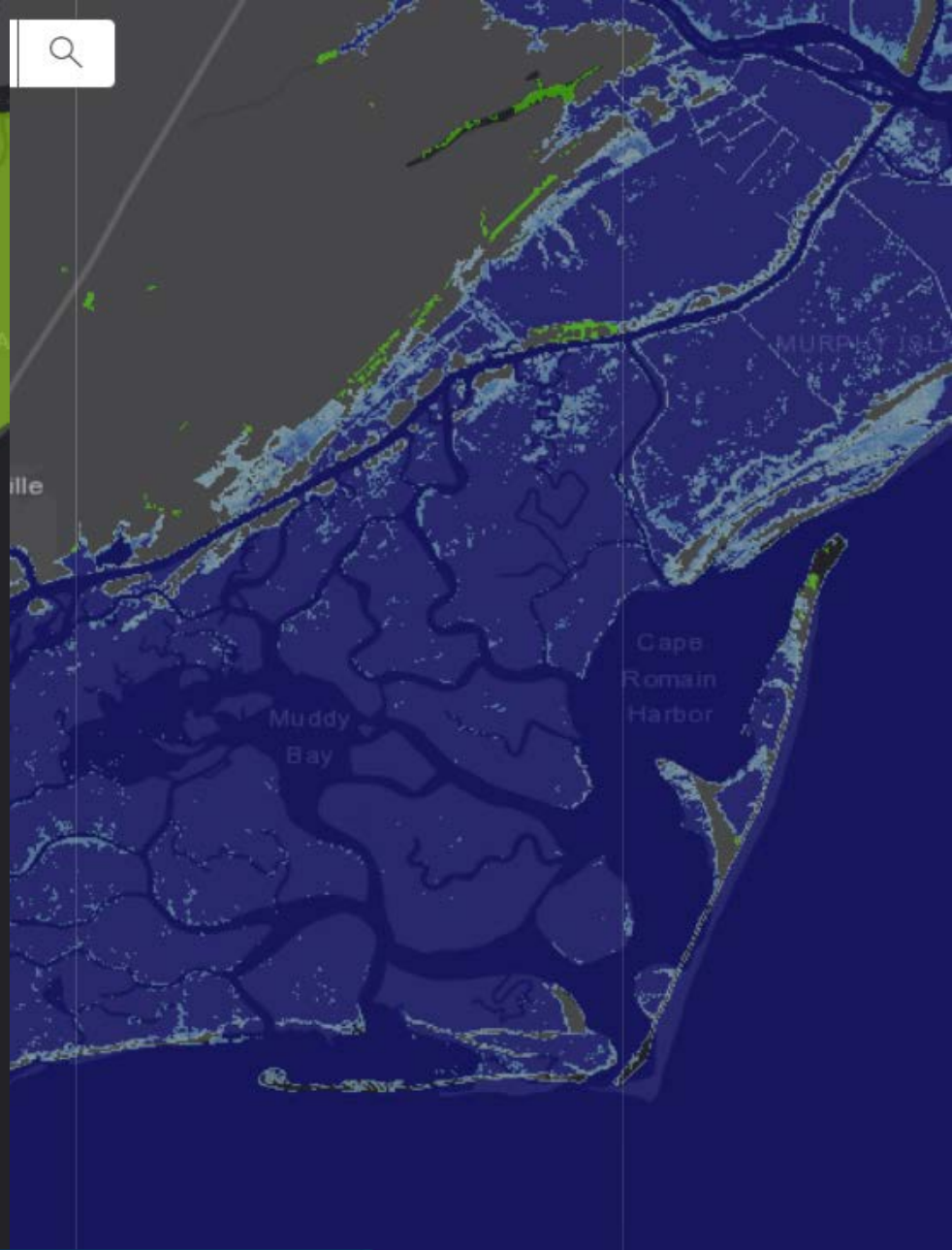
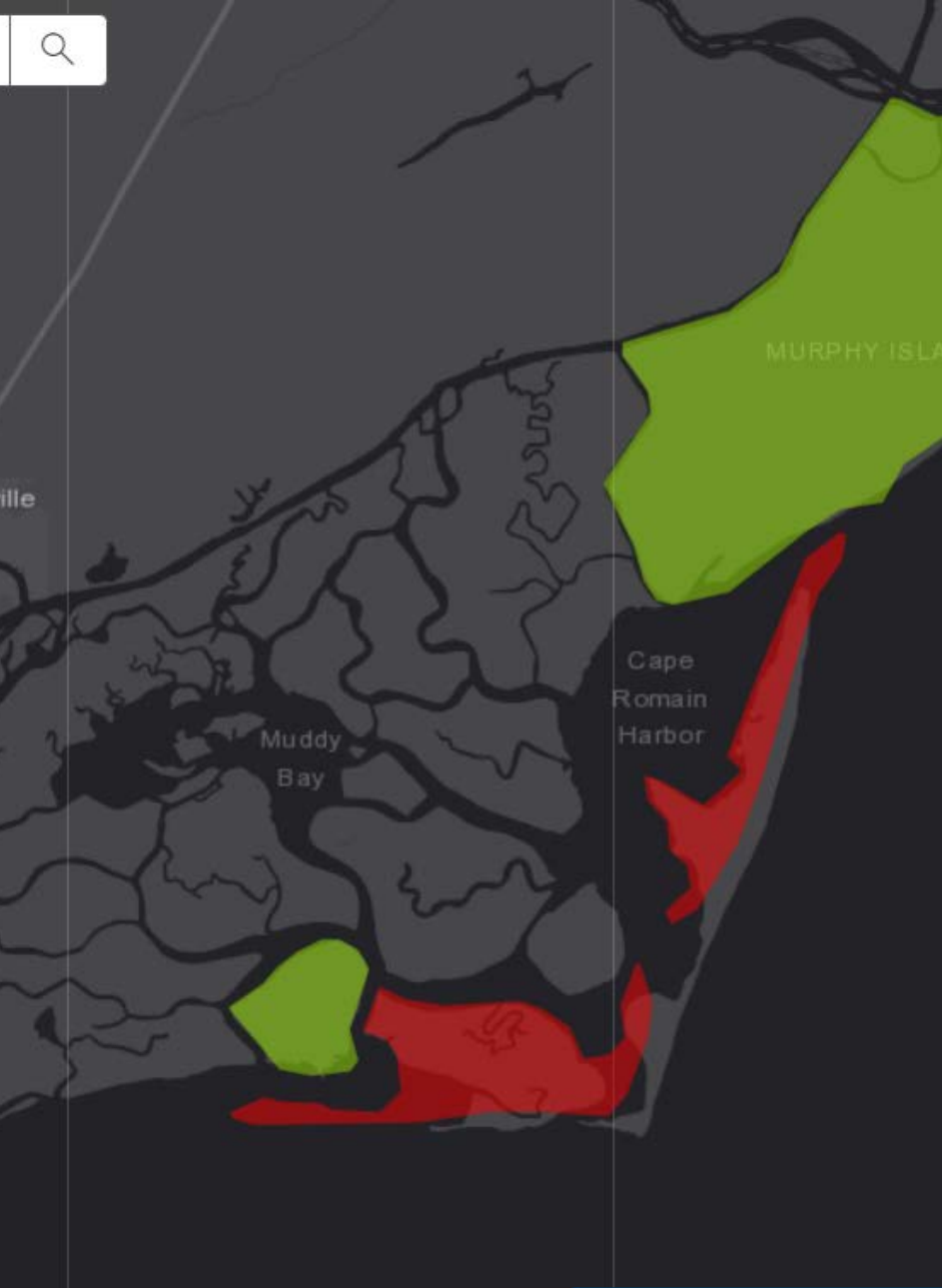


36

4.9%

Update scenario to see calculated #s





Cape Romain National Wildlife Refuge

South Carolina Aquarium Citizen Science

[View More by This Developer](#)

By MDI Biological Laboratory

Open iTunes to buy and download apps.



Description

The SC Aquarium app brings South Carolina Aquarium's volunteer projects to life. You can report sightings, take photos, and even see what conditions are like underwater.

[South Carolina Aquarium Citizen Science](#)

What's New in Version 1.04

- Updated data entry color scheme for easier use
- Tweaked color scheme
- Better ergonomics in map options panel

[View in iTunes](#)

MDI Biological Laboratory

 South Carolina Aquarium



11:14 SC Aquarium Citizen Scien...

SeaRise

Add report

About Members Data Photos

Project Members

	Christi Hughes ★ Admin	35 reports
	DoryIngram	2 reports
	ForrestLabAlum	40 reports
	Mcerullo	1 report
	Kristin Zeaser-Sydow	1 report
	Jveyera	
	Anna Anna Farrell	

11:15 SeaRise Report

About Members Data Photos

DoryIngram
Apr 15, 2018 9:15AM
Wadmalaw Island, Charleston County, South Carolina, United States

Flooding Photo Type	
Water Depth (inches)	
Comment	Photos at high tide on day of new moon at Bohicket Creek

1 comment

DoryIngram
Mar 31, 2018 9:39AM
Wadmalaw Island, Charleston County, South

11:15 SeaRise Report

About Members Data Photos

Possible Collaboration with SECOORA

- SLR and extreme storm events are problematic for all coastal inhabitants
- Aquariums and zoos are trusted voice
 - > **Research conducted by Impacts**
- SCA positioned to educate the general public on real time data
 - > **No one left out of conversation**
 - > **Digestible by all**
- Connect with SECOORA to get the best data to help inform impacts to coastal areas and communities