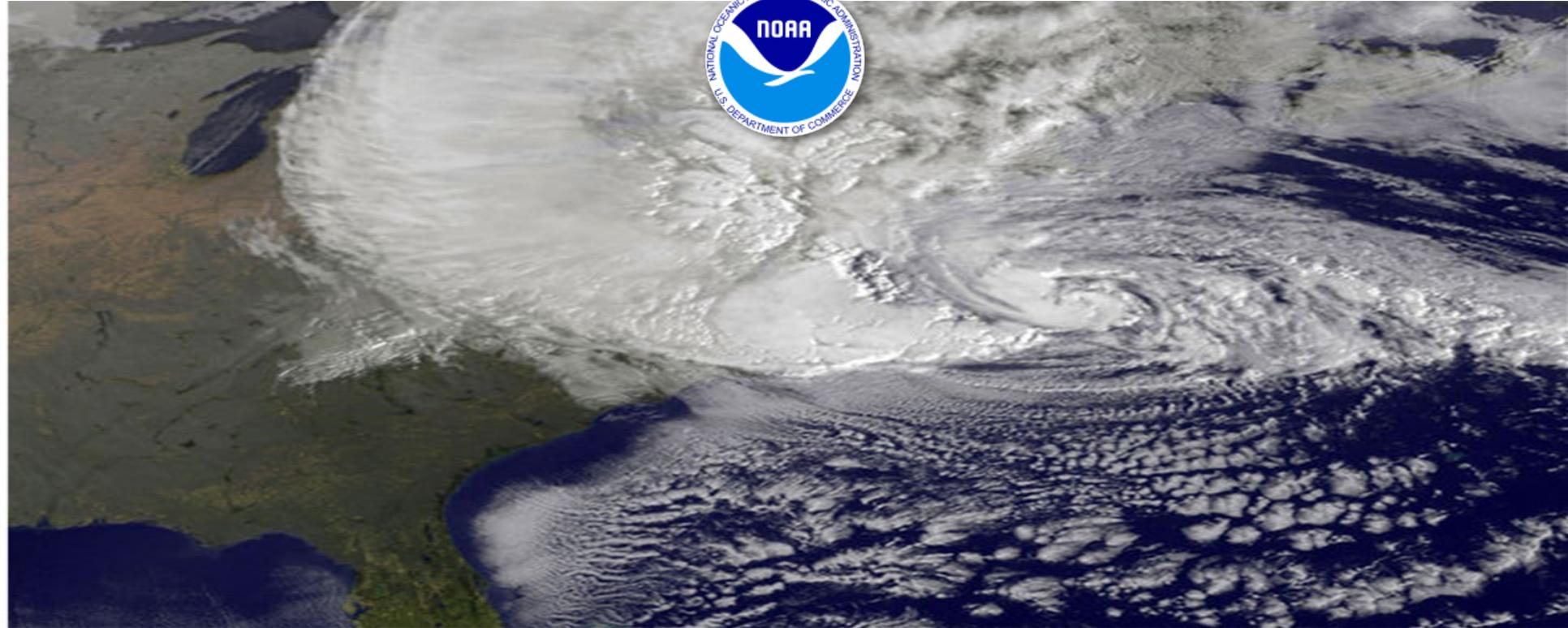
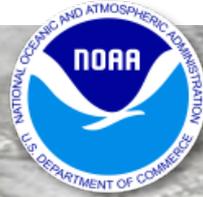


2018 New Jersey Coastal Resilience Summit: Charting a Course for the Future

# Federal Agency Partnerships Improving Resilience



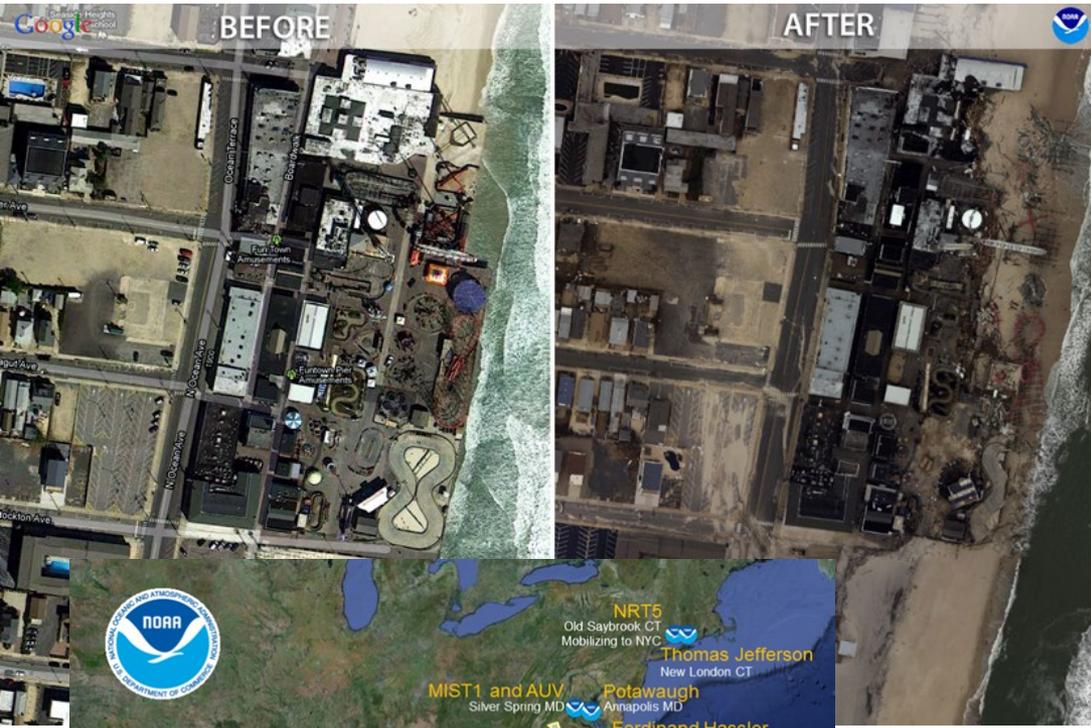
Mark Osler

Senior Advisor for Coastal Inundation and Resilience

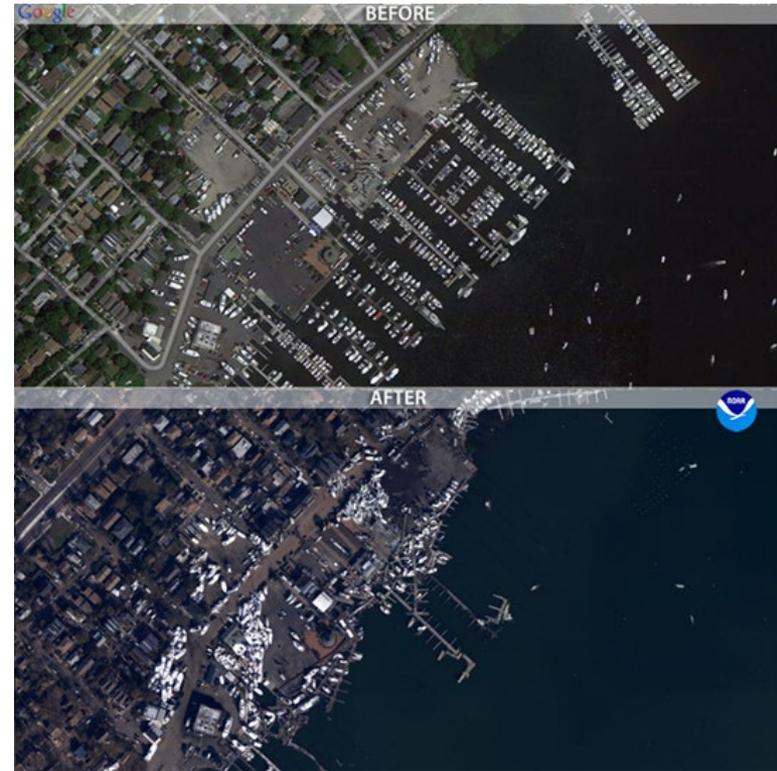
NOAA's National Ocean Service

October 10, 2018

# How the National Ocean Service Responds



Aerial Overflight Imagery



Marine Debris Impacts post-Sandy



Pre-positioned NOAA Asset's before Sandy



Support recovery-planning and resilience-building



Sea-Level Rise and Coastal Flooding Impacts

Sea-Level Rise Confidence  
 FIRMS / Surge Marsh  
 Eco. Vulnerability Soc. Vulnerability  
 Facilities  
 Planning Using Total Water Levels

Sea-Level Rise  
 Current MHHW

Legend  
 Water Depth  
 Low-lying Areas  
 Area Not Mapped  
 Visualization Location  
 View Probability

Overview  
 Use the slider bar above to see how various levels of sea-level rise will impact this area. Levels represent inundation at high tide. Areas that are hydrologically connected are shown in shades of blue (darker blue = greater depth). Low-lying areas, displayed in green, are hydrologically "unconnected" areas that may flood. They are determined solely by how well the elevation data captures the area's topography.

Understanding The Map  
 Additional Information

Streets Download Share Map  
 Zoom To: New Jersey

United States Department of Commerce | National Oceanic and Atmospheric Administration | National Ocean Service | Website owner: Office for Coastal Management | Last Modified: N/A

Welcome to the NJ Municipal Snapshots

The NJ Municipal Snapshots turn complex data into easy-to-understand stories, complete with charts and graphs. To get started, select a county and municipality from the dropdown menus or from the map below.

Morristown Long Branch City

Flood Exposure  
 The Flood Snapshot provides local officials with a quick look at a municipality's demographics, infrastructure, and environment within the flood zone.

Wetland Benefits  
 The Wetland Benefits Snapshot provides a quick look at how wetlands contribute to safer, cleaner, and more economically productive coastal communities.

FEMA Flood Zones  
 The FEMA Flood Zone Snapshot provides a quick look at a municipality's demographics and infrastructure within the FEMA delineated flood zone.

Superstorm Sandy  
 The Superstorm Sandy Snapshot provides a quick look at the effect Superstorm Sandy had on a municipality's demographics and infrastructure.

## State Adapting NOAA Tools

- NJ Flood Mapper
- NJ Municipal Snapshots



# NOAA Websites

National Ocean Service:

<https://oceanservice.noaa.gov/>

Coastal Zone Management Program:

<https://coast.noaa.gov/czm/>

National Estuarine Research Reserves:

<https://coast.noaa.gov/nerrs/>

Digital Coast:

<https://coast.noaa.gov/digitalcoast/>

Contact Mark Osler, Senior Advisor for Coastal  
Inundation & Resilience: [mark.osler@noaa.gov](mailto:mark.osler@noaa.gov)

