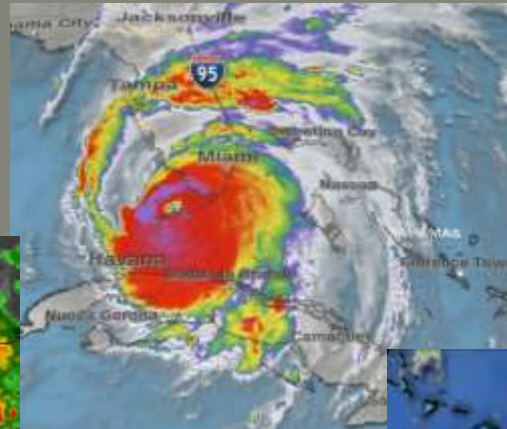


# 2017 HURRICANE IMPACTS



Dylan Davis

Coastal Program Manager

11 October 2017



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# U.S. HURRICANE LANDFALLS

2017

**HARVEY (CAT. 4)**  
ROCKPORT, TEXAS  
AUG. 25

**NATE (CAT. 1)**  
LA/MS  
OCT. 7-8

**IRMA (CAT. 4)**  
SOUTH FLORIDA  
SEP. 10

**MARIA (CAT. 4)**  
PUERTO RICO  
SEP. 20

The  
Weather  
Channel



# HURRICANE HARVEY

**Landfall:** 25 August 2017

**Max Speed:** Cat. 4 – 130 mph

**Strength at Landfall:** Cat. 4 – 130 mph

**Impacts:**

Significant rainfall (40"-50") and flooding

Significant shoaling and debris impacts along the entire Texas coastline

Dredging is ongoing as sediment continues to accumulate as flooding subsides



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# HURRICANE IRMA

**Landfall:** 10 September 2017

**Max Speed:** Cat. 5 – 185 mph

**Strength at Landfall:** Cat. 4 – 130 mph

**Impacts:**

18 sunken vessels in Key West Harbor (removed)

Minor shoaling in Nav channels on the west coast of Florida

Minor to Moderate shoaling in Nav channels on the east coast of Florida (Canaveral Harbor – removed)

Moderate beach erosion on the West Coast of Florida

Significant beach erosion on the East Coast of Florida

Moderate beach erosion on the Coast of Georgia, South Carolina and North Carolina

Significant debris impacts across the state of Florida



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# HURRICANE JOSE

**Landfall:** N/A

**Max Speed:** Cat. 4 – 130 mph

**Strength at Landfall:** N/A

**Impacts:**

Minor shoaling in Nav channels on the coast of North Carolina

Minor to moderate beach erosion on the Mid Atlantic Coast



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# HURRICANE MARIA

**Landfall:** 20 September 2017

**Max Speed:** Cat. 5 – 175 mph

**Strength at Landfall:** Cat. 4 – 155 mph

**Impacts:**

2 sunken vessels – Ponce, PR

2 sunken vessels – Christiansted, St. Croix

Major shoaling at Arecibo (15' restriction) and Mayaguez (28' restriction) Harbors

No Federal Beaches in PR or USVI

Significant infrastructure damage

- 19 Nonfederal ports in PR and USVI
- Guajataca Dam (nonfederal)
- Power Distribution



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# HURRICANE NATE

**Landfall:** 7-8 October 2017

**Max Speed:** Cat. 1 – 85 mph

**Strength at Landfall:** Cat. 1 – 85 mph

**Impacts:**

Assessments ongoing

Minimal shoaling



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# RECAP

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August 25 – Today

Impacts to every coastal project within South Atlantic Division

- 35 Deep draft Harbors
- 121 Shallow draft Harbors and inlets
- 35 Federal Beaches

Ongoing recovery in Houston, South Florida, Puerto Rico and Virgin Islands

No additional funding received to date for Navigation Channels

Collecting damage estimates for possible Supplemental Bill

Submitting Project Information Reports and Addendums for FCCE funds

- Nassau County addendum approved and funded



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A large, powerful wave is crashing over a dark rock formation in the middle of the ocean. The water is a deep blue-green color, and the sky is a clear, bright blue. The wave's crest is white with foam. The word "QUESTIONS?" is written in large, bold, yellow capital letters across the center of the image, partially overlapping the wave and the rock.

**QUESTIONS?**