

**IMPACTS FOR D7 (through next 5 days)**

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – Low**

**Waves - High**

# Hurricane Camila BRIEFING

4:00 PM EDT

Tuesday, July 27, 2021

Prepared by:

**Andrew Hagen**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

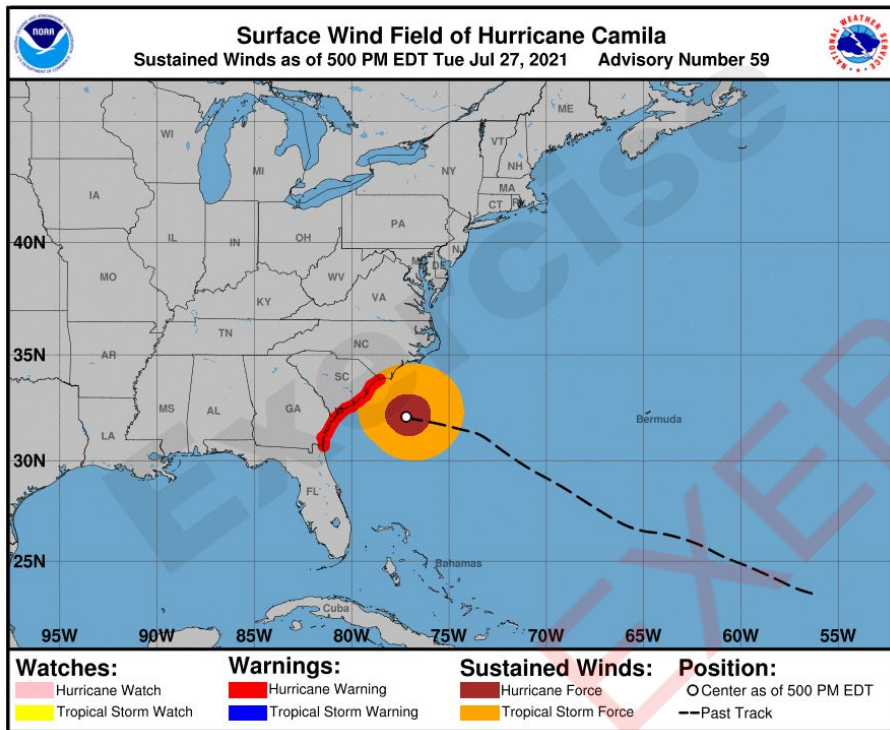


# Situation Overview

## Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**...Tropical Storm Conditions Beginning to Spread Onshore of South Carolina...**

### Summary of 500 PM EDT Information

Location... 32.1N 77.2W  
About... 145 nm ESE of Charleston, SC  
About... 200 nm E of Savannah, GA  
Maximum Sustained Winds... 85 kt  
Present Movement... W at 7 kt

### Size

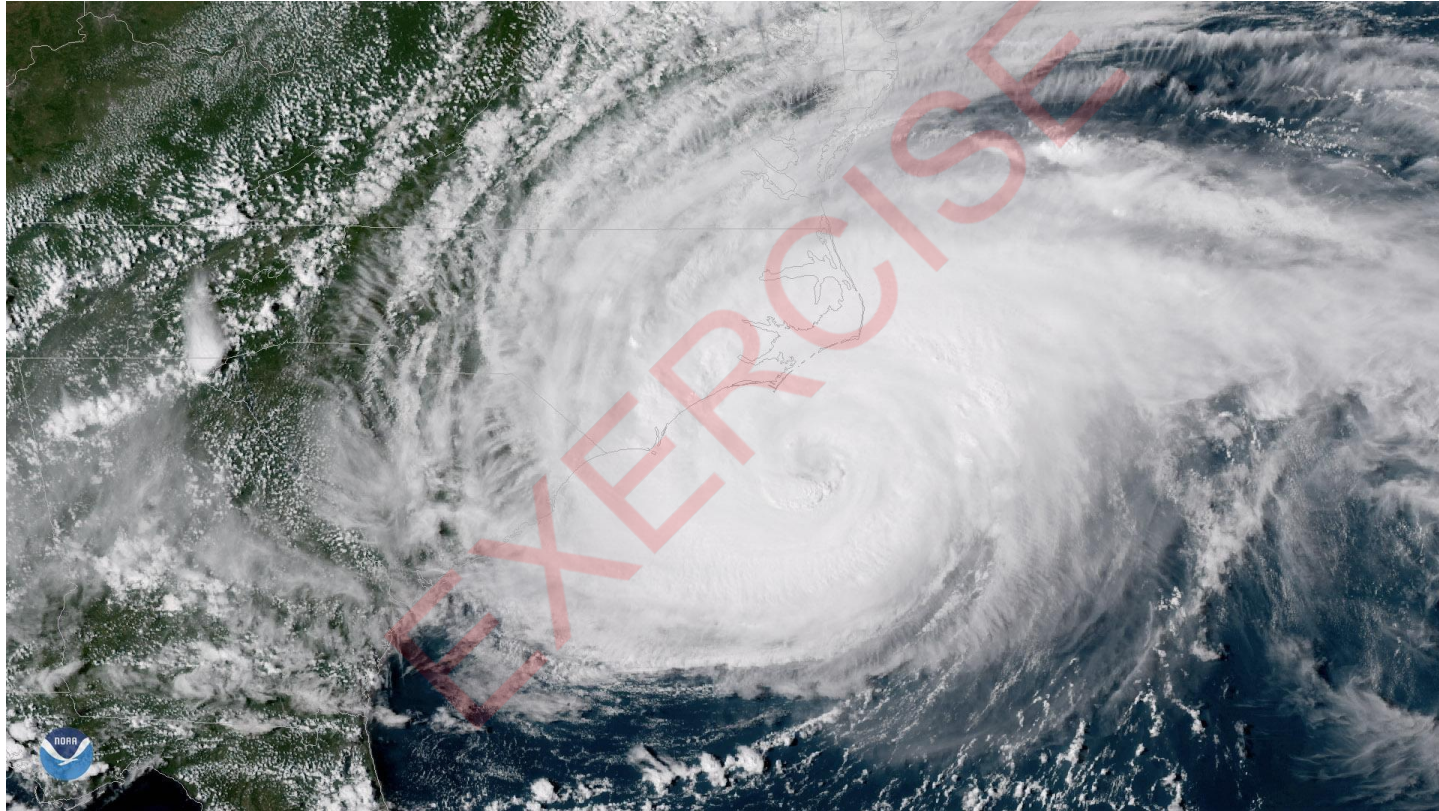
34 kt... 60 NE    140 SE    110 SW    140 NW  
Seas to 30 ft

# Current Satellite View

## Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

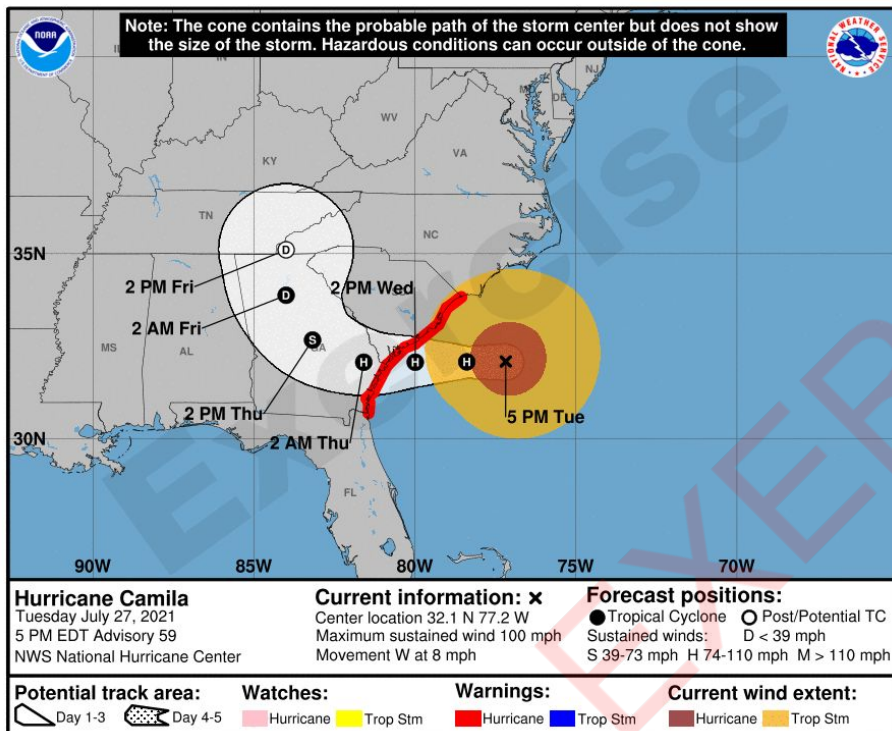


# Forecast Information

## Hurricane Camila



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NWS National Hurricane Center



**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

- **Hurricane and Storm Surge Warnings are in effect for the coasts of Georgia and South Carolina.**
- **Water has already risen to 2-3 ft AGL along portions of the coast of South Carolina. Some bridges/evacuation routes are closing.**
- **Tropical Storm Winds are beginning to spread onshore the coast of South Carolina, and will reach Charleston in a few hours**
- **Flash flooding is possible from excessive rainfall in Georgia and South Carolina, due to the slow forward speed of Camila.**

- Center forecast positions illustrated by dots
- White swath is potential track error through day 3

\*\* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

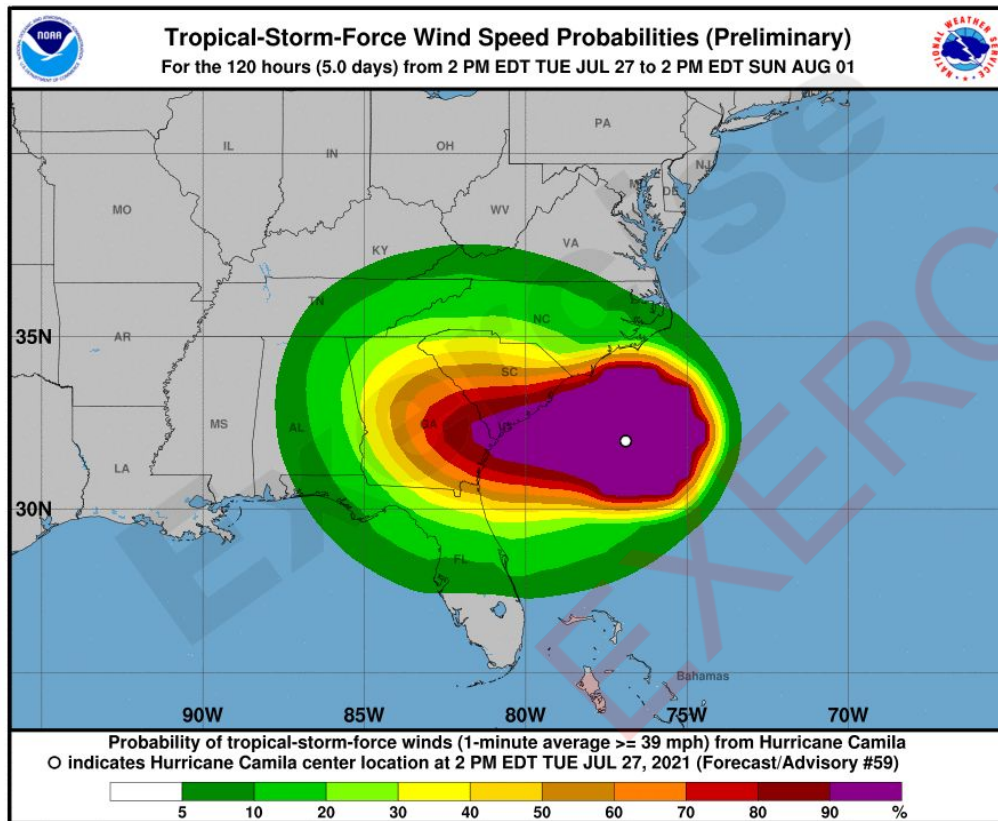


# T.S. Wind Speed Probabilities

## Hurricane Camila



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NWS National Hurricane Center



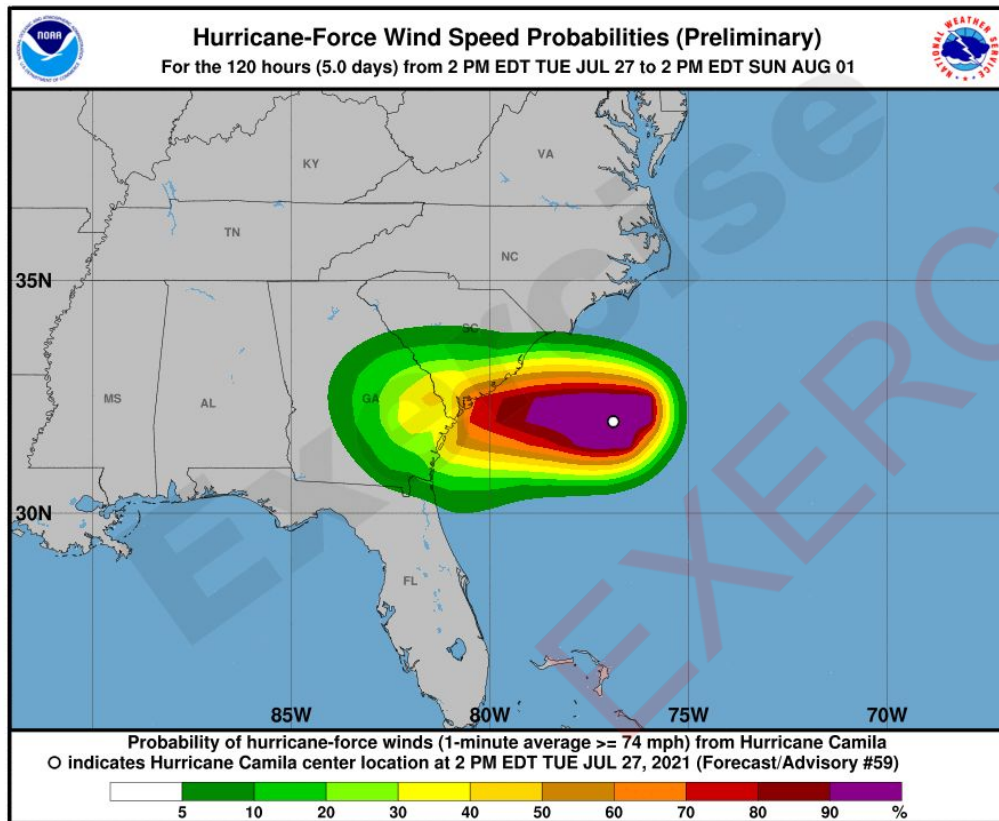
- Charleston: >90%
- Savannah: >90%
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

# Hurricane Wind Speed Probabilities

## Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Charleston: 50-60%
- Savannah: 40%
- Probabilities of sustained hurricane force winds (64 kt +) have increased for both cities since the previous advisory

# Most Likely Time of Arrival and Tropical Storm Wind Speed Probabilities

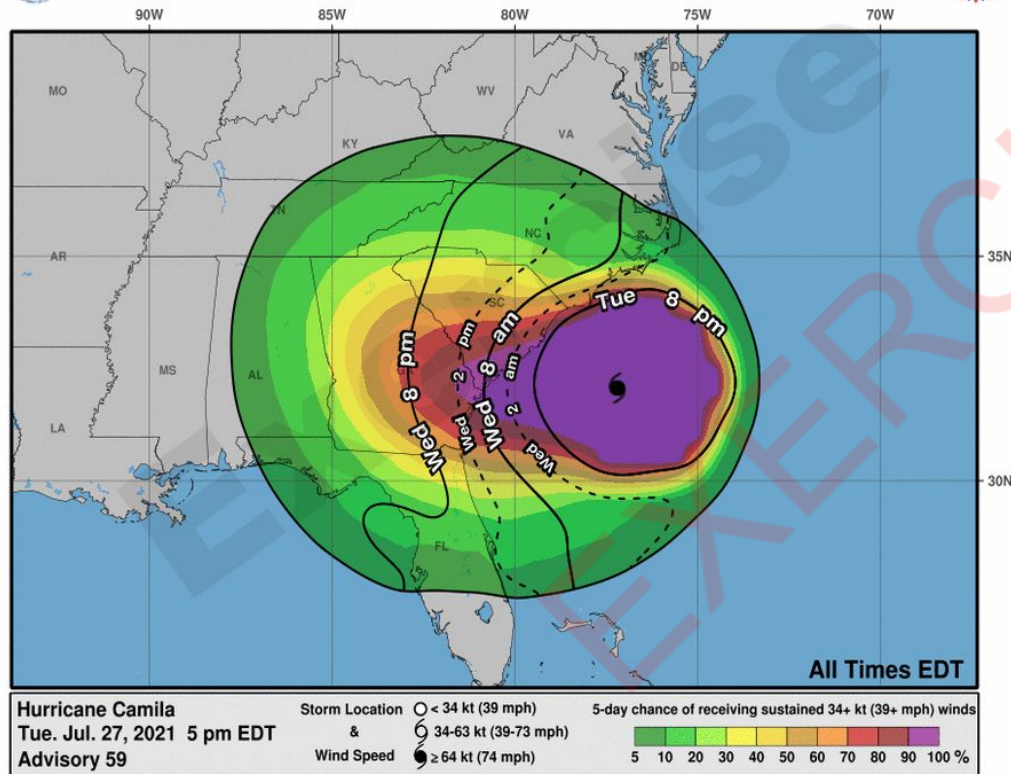


Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

## Hurricane Camila



### Most Likely Arrival Time of Tropical-Storm-Force Winds



- Charleston: **Tonight**
- Savannah: **Early Wednesday morning**
- The most likely time of arrival of Tropical Storm Force Winds (34 kt to 63 kt) for this cyclone based off the current track and wind radii.

# Storm Surge

## Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

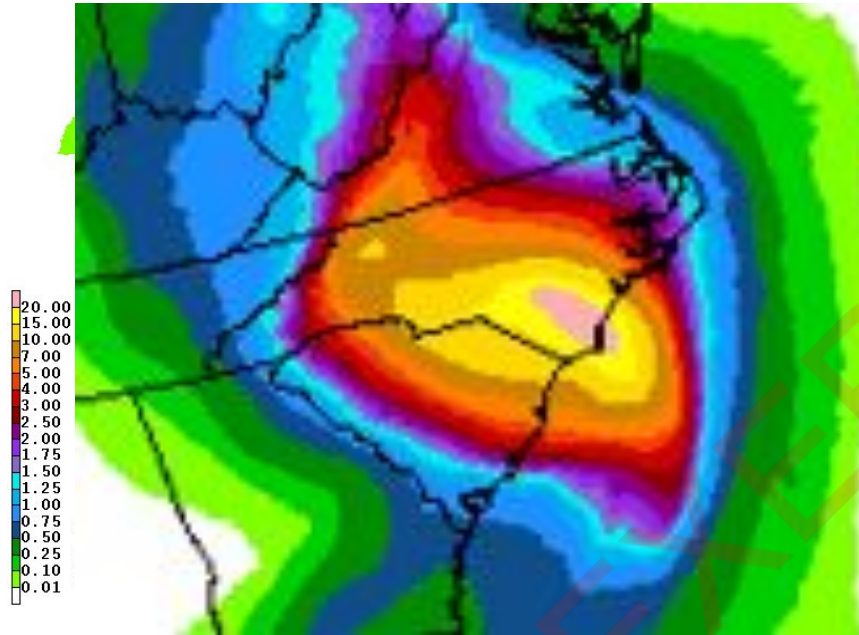
Surge in excess of  
9 ft AGL is possible  
in some spots

Dark Blue: 1-3'  
Light blue/teal: 3-6'  
Green/Yellow/Orange: 6-9'  
Red: 9' +

**SLOSH MEOW for a Cat 2 moving W at 5-10 mph at high tide -  
AGL**

- Storm surge is represented in feet above the ground at any given point.





Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point

**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**

Day 2-3  
(Wed-Thu)

Risk of rainfall exceeding flash flood guidance  
within 25 miles of a point

**HIGH: > 50%** **SLGT: 10%-20%**  
**MDT: 20%-50%** **MRGL: 5%-10%**

Refer to map legend for Valid Time

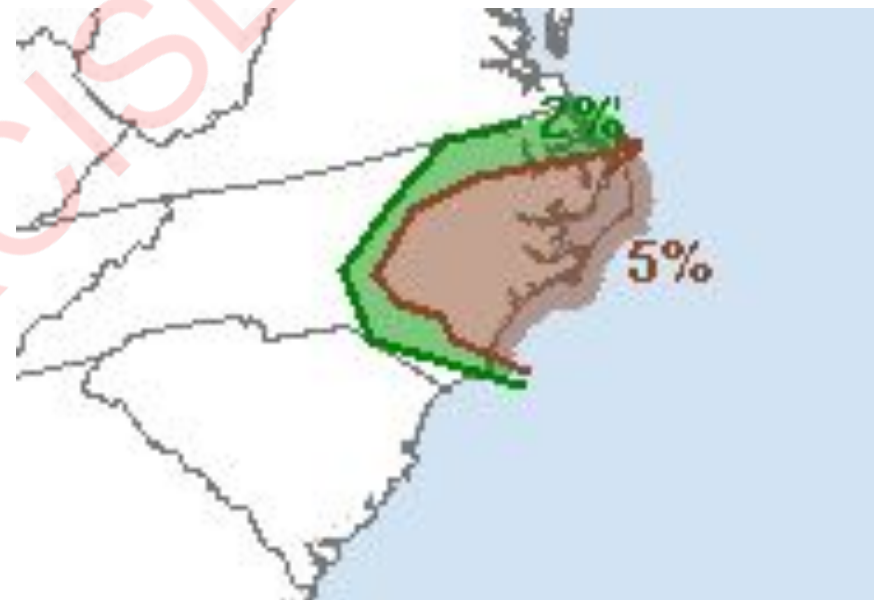
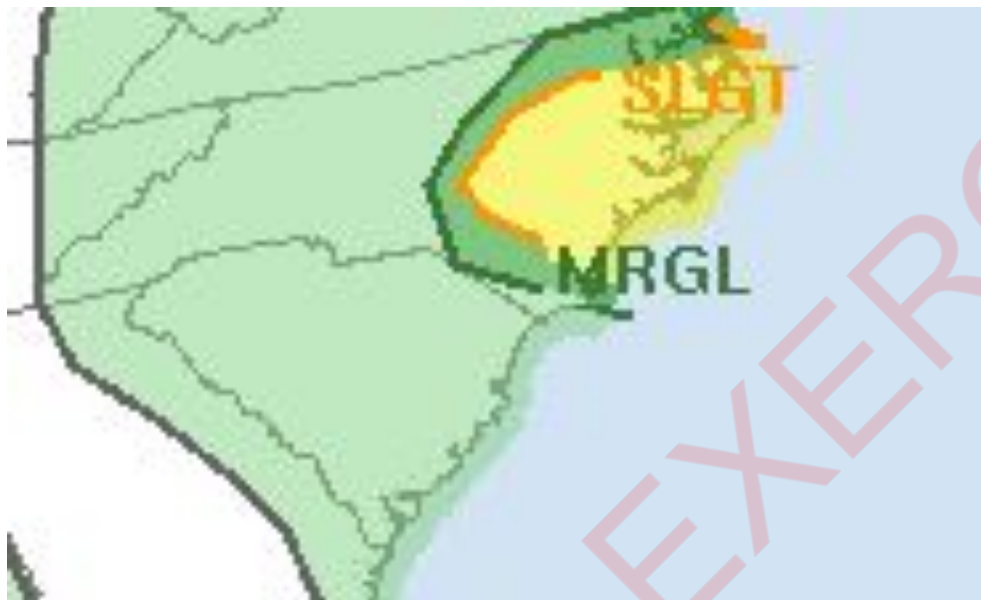
- Total rainfall in inches over the next 3  
days

# Tornado Potential - Storm Prediction Center

Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Tonight - Wednesday

# Marine Key Messages

## Hurricane Camila



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

- Seas greater than 12 ft have expanded out to within 360 nm from the center
- Waves in coastal waters are currently 20-25 ft, and will increase to 25-30 ft tonight into Wed

### IMPACTS FOR **D7** (through next 5 days)

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – Low**

**Waves - High**

**IMPACTS FOR D7 (through next 5 days)**

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – Medium**

**Waves - High**

# Hurricane Lisa BRIEFING



Prepared by:

**Stephen Konarik**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*



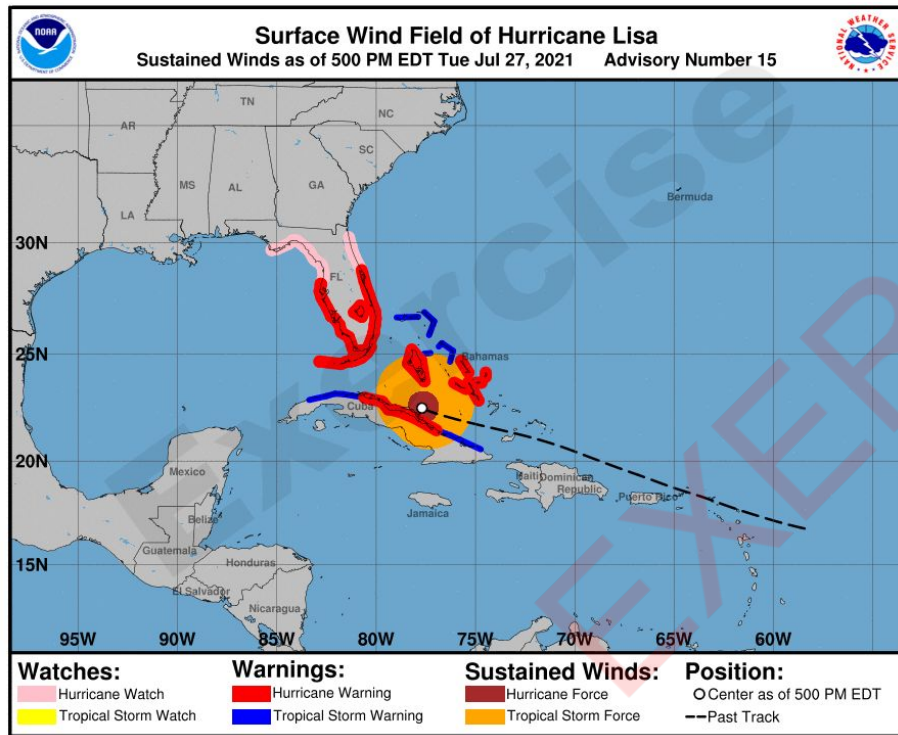


# Situation Overview

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## ...Outer bands of Lisa Approaching South Florida...

### Summary of 500 PM EDT Information

Location... 22.5N 77.7W

About 275 nm... SE of Miami, FL

About 430 nm... SE of Tampa, FL

Maximum Sustained Winds... 90 kt

Present Movement... NW degrees at 13 kt

### Size

34 kt... 160NE 130SE 100SW 150NW

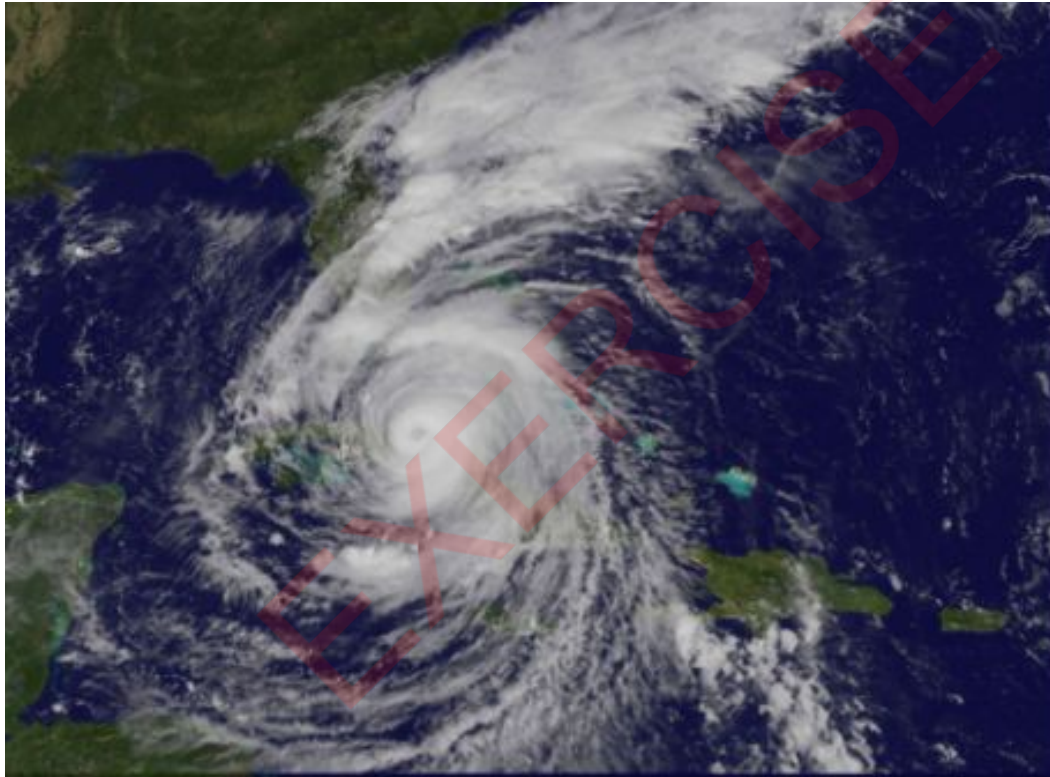
12 ft seas... 210NE 90SE 30SW 120NW

# Current Satellite View

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



# Forecast Information

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- **Hurricane Warning and Storm Surge Warning for Florida Peninsula**
- **Hurricane Watch and Storm Surge Watch Florida Panhandle**
- **Prolonged hurricane force winds and dangerous storm surge tonight into Wed over South Florida**
- Current center forecast positions through the next 5 days illustrated by dots
- White swath is potential track error through day 3
- Hatched swath is potential track error on days 4-5

**NOTE:** Do not focus on the exact track. Impacts can occur well outside the area enclosed by the cone.

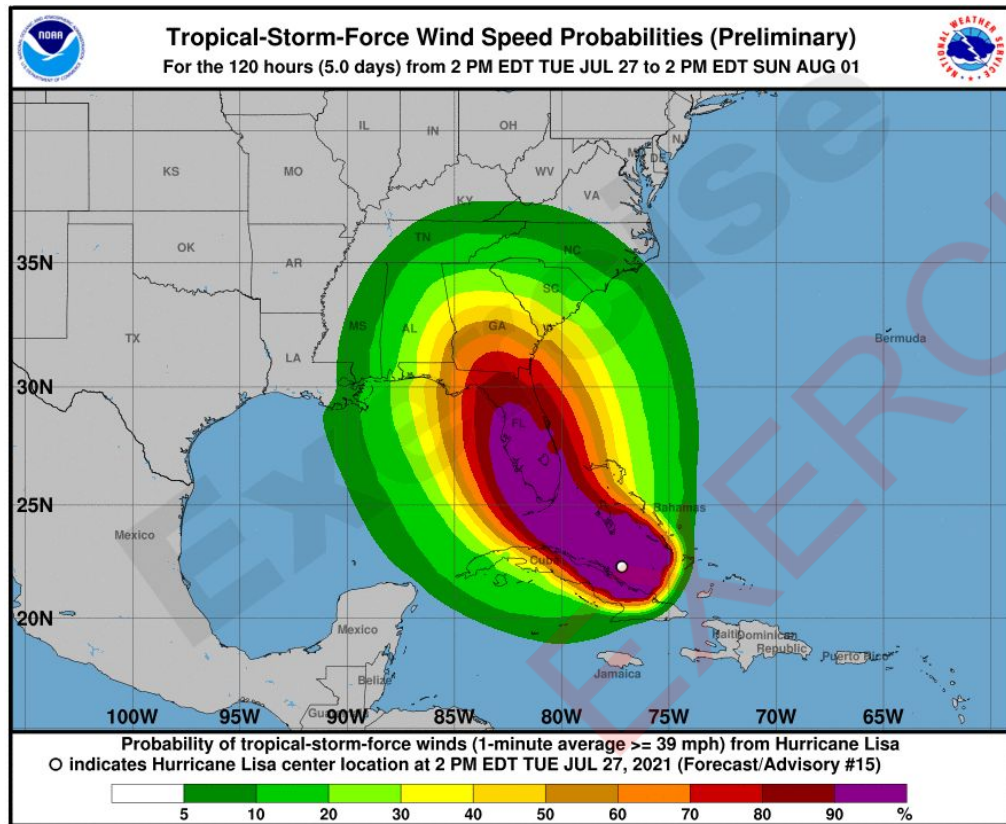
\*\* Swaths are designed so the actual track will occur inside the cone two-thirds of the time. One-third of the time, the center will track outside the cone.

# T.S. Wind Speed Probabilities

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Panama City 30%
  - Tampa >90%
  - Key West >90%
  - Miami >90%
  - Ft Lauderdale >90%
  - Cocoa Beach 85%
  - Jacksonville 50%
- 
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

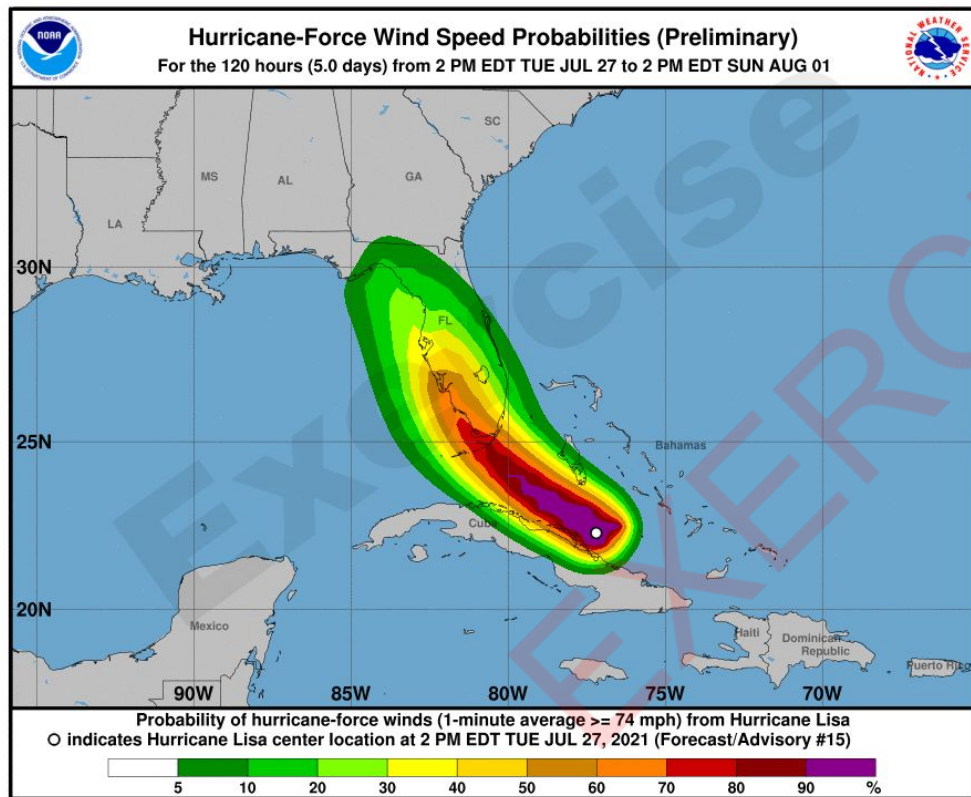


# Hurricane Wind Speed Probabilities

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



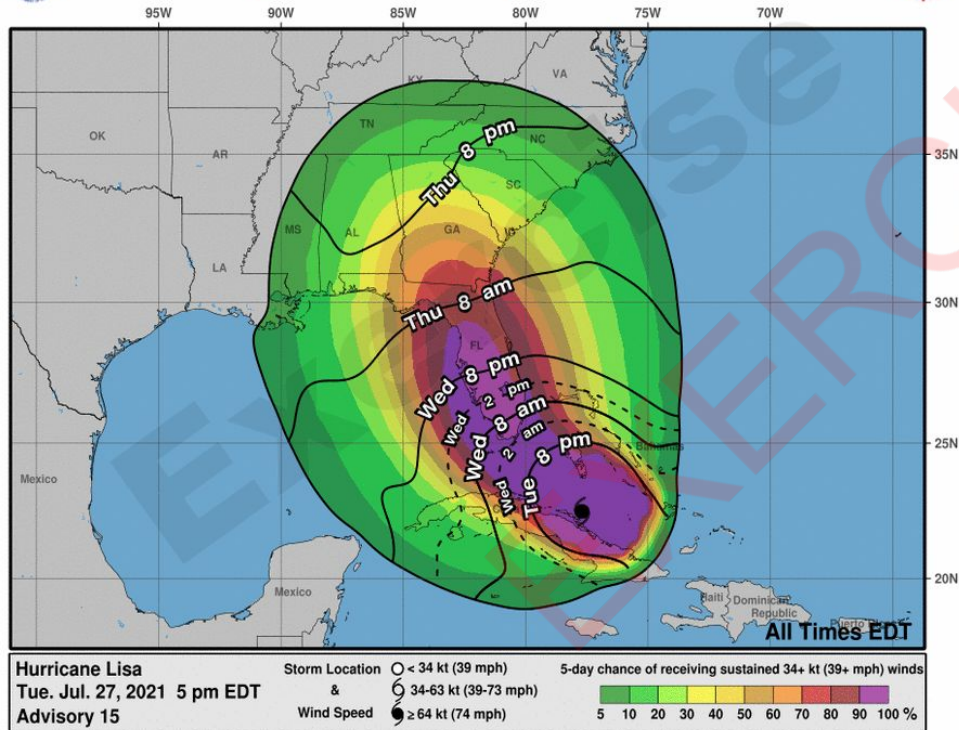
- Tampa 40%
  - Key West 70%
  - Miami 35%
  - Ft Lauderdale 35%
  - Cocoa Beach 10%
  - Jacksonville <5%
- 
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.



## Hurricane Lisa



### Most Likely Arrival Time of Tropical-Storm-Force Winds



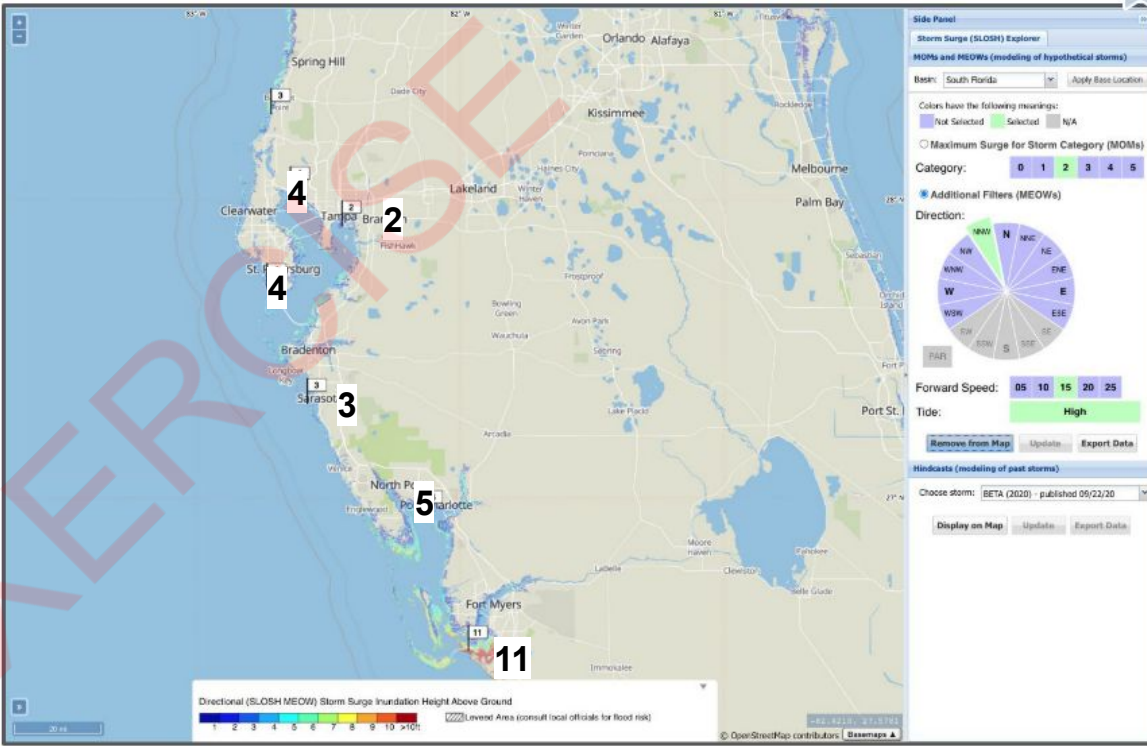
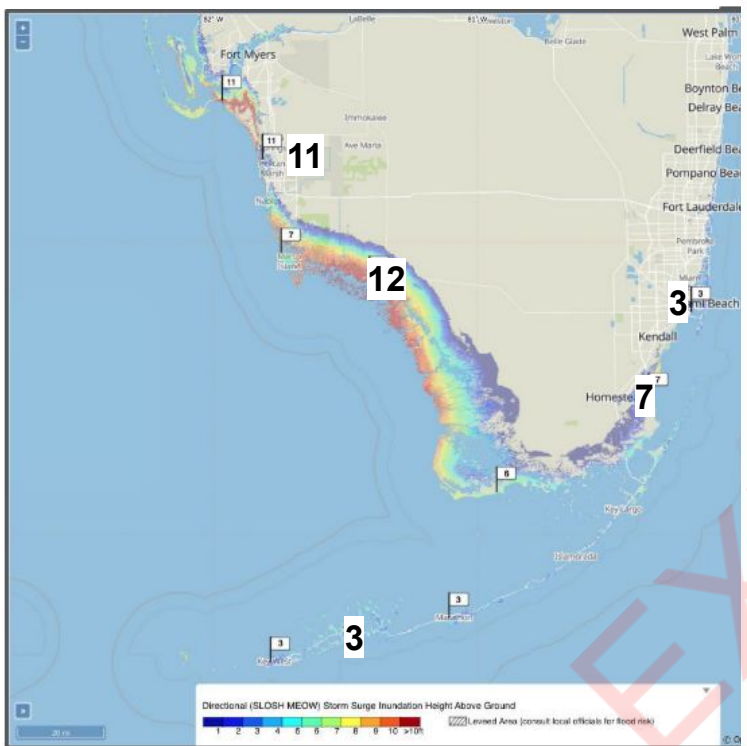
- South Florida: **Early Wednesday morning**
- Tampa Bay: **Wednesday**
- Jacksonville: **Late Wednesday night**
- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.

# Storm Surge

## Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**SLOSH MEOW for a Cat 2 moving NW at 10-15 mph at high tide - AGL**

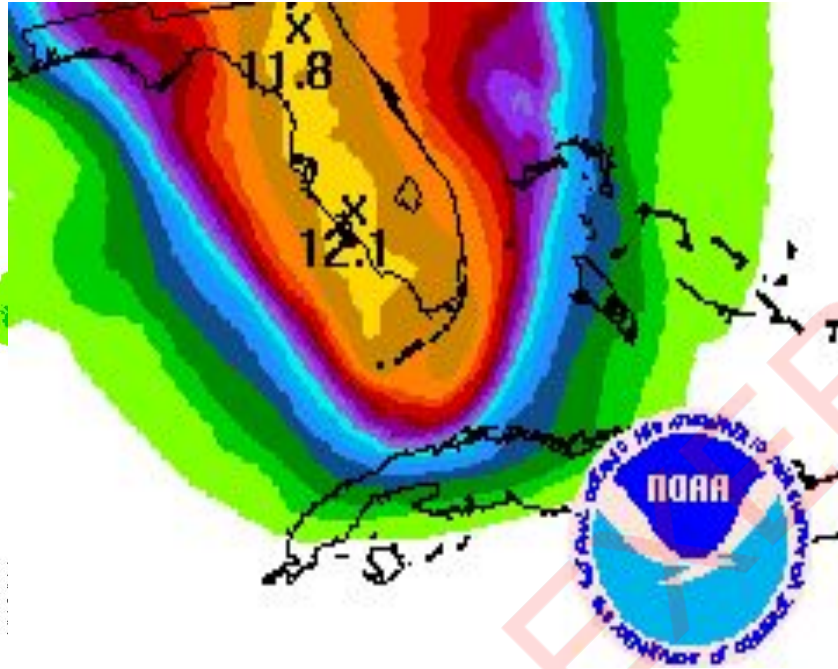
- Storm surge is represented in feet above the ground at any given point.

# Expected Storm Total Rainfall and Chance of Rainfall Flooding - Weather Prediction Center

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- Total rainfall in inches over the next 3 days
- Rainfall amounts 6-12" with localized amounts of 20" possible



Risk of rainfall exceeding flash flood guidance to the right of a line

HIGH: > 15%	SLGT: 5%-10%
MDT: 10%-15%	MRGL: 2%-5%

Risk of rainfall exceeding flash flood guidance within 25 miles of a point

HIGH: > 50%	SLGT: 10%-20%
MDT: 20%-50%	MRGL: 5%-10%



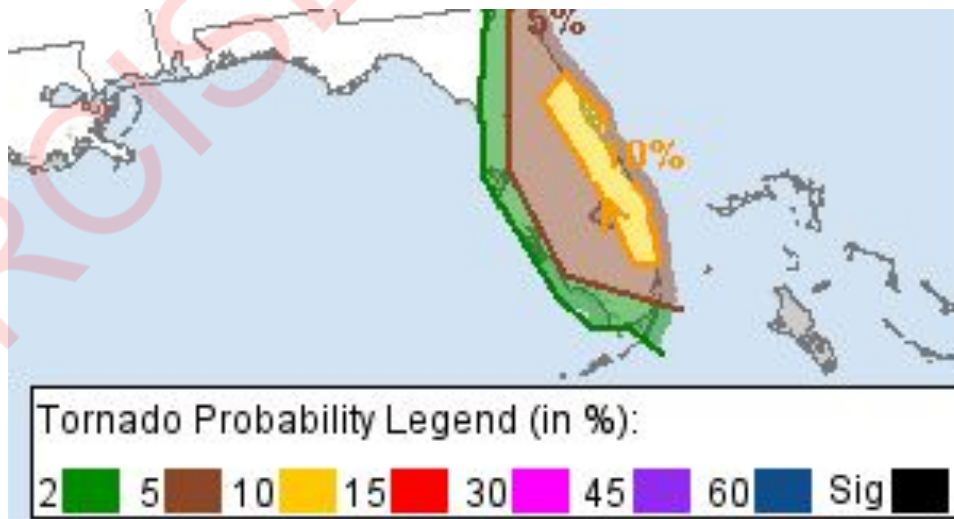
# Tornado Potential - Storm Prediction Center

Hurricane Lisa



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

Images from NWS Storm Prediction Center



Ongoing through Wednesday



- Large waves and hazardous surf are beginning along the Florida coast
- Potentially 25-30 ft seas are likely along the Florida coast as Lisa passes

### IMPACTS FOR **D7** (through next 5 days)

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – Medium**

**Waves – High**

**IMPACTS FOR D7 (through next 5 days)**

**Winds – High**

**Storm Surge – Medium**

**Rainfall/Flash Flooding – Extreme**

**Tornadoes – Low**

**Waves - High**

# Tropical Storm Nico BRIEFING



Prepared by:

**Amanda Reinhart**

*Tropical Analysis and Forecast Branch  
NWS National Hurricane Center*

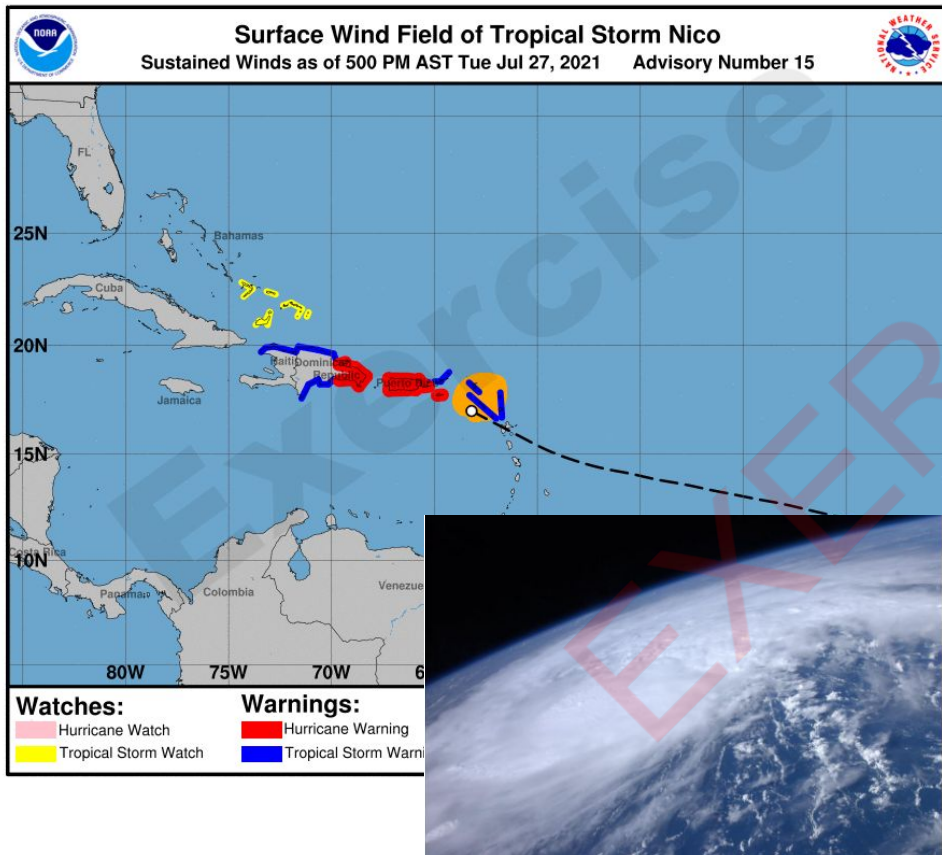


# Situation Overview

## Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



## ...NICO INTENSIFYING...

### Summary of 500 PM AST Information

Location... 17.0N 63.2W

About... 150 nm NW of the Lesser Antilles

About... 185 nm ESE of San Juan Puerto Rico

Maximum Sustained Winds... 55 kt

Present Movement... WNW at 15 kt

### Size

34 kt.....130NE 40SE 20SW 70NW.

Seas to 20 ft

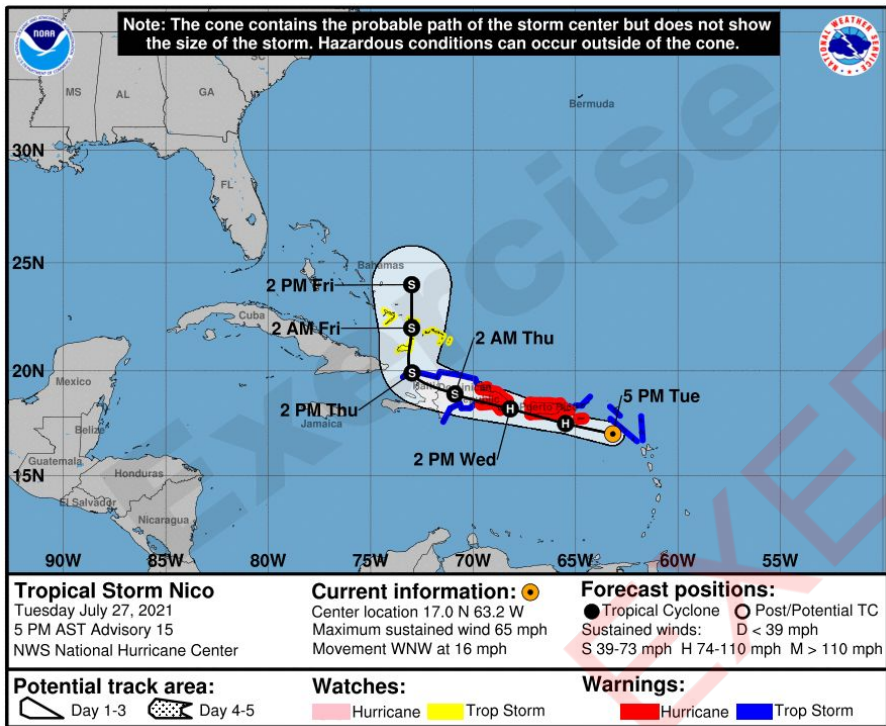


# Forecast Information

## Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



- **Nico will strengthen into a hurricane and move along the southern portion of Puerto Rico tonight**
- **Puerto Rico/USVI now under a Hurricane Warning and Storm Surge Warning**
- **System expected to move toward Hispaniola by Wednesday morning**
- **Nico will move into the Bahamas by Thursday night and will not impact the SE US**
- Current center forecast positions through the next 3 days illustrated by dots
- White swath is potential track error through day 3

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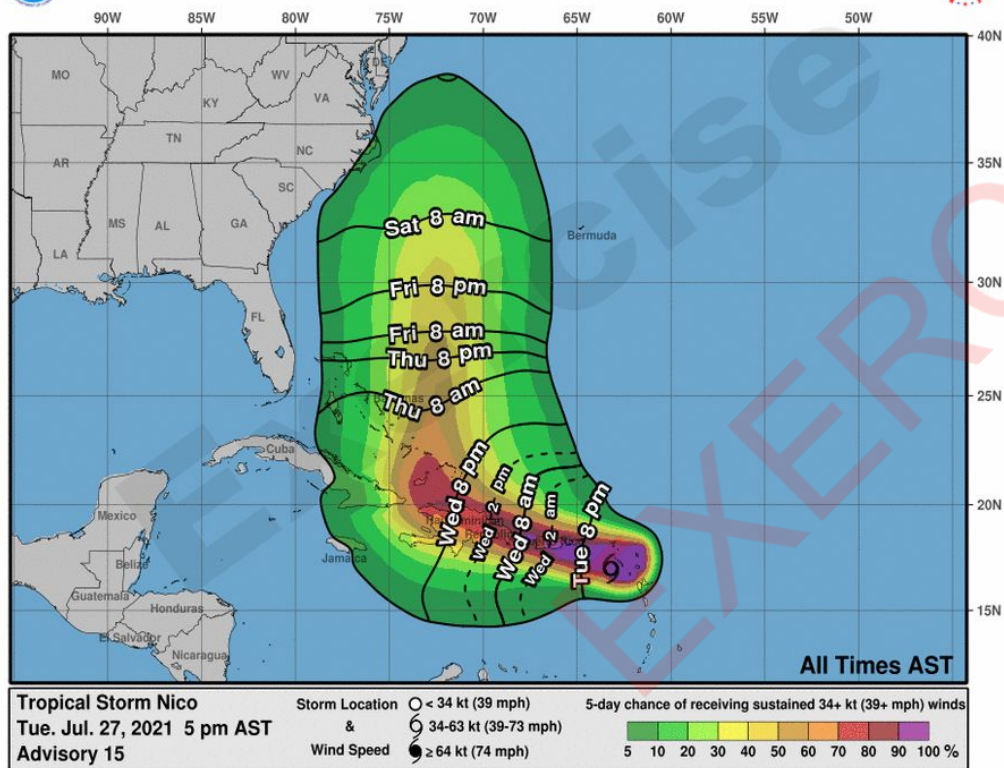
# T.S. Wind Speed Probabilities

## Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

### Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds



- Ponce PR 95%
  - Aguadilla PR 95%
  - San Juan PR 95%
  - Vieques PR 100%
  - St. Thomas 95%
  - St. Croix 100%
- 
- Probabilities of sustained tropical storm force winds (34 kt to 63 kt) over the next 5 days, based off this cyclone's wind radii and track.

# Hurricane Wind Speed Probabilities

Tropical Storm Nico



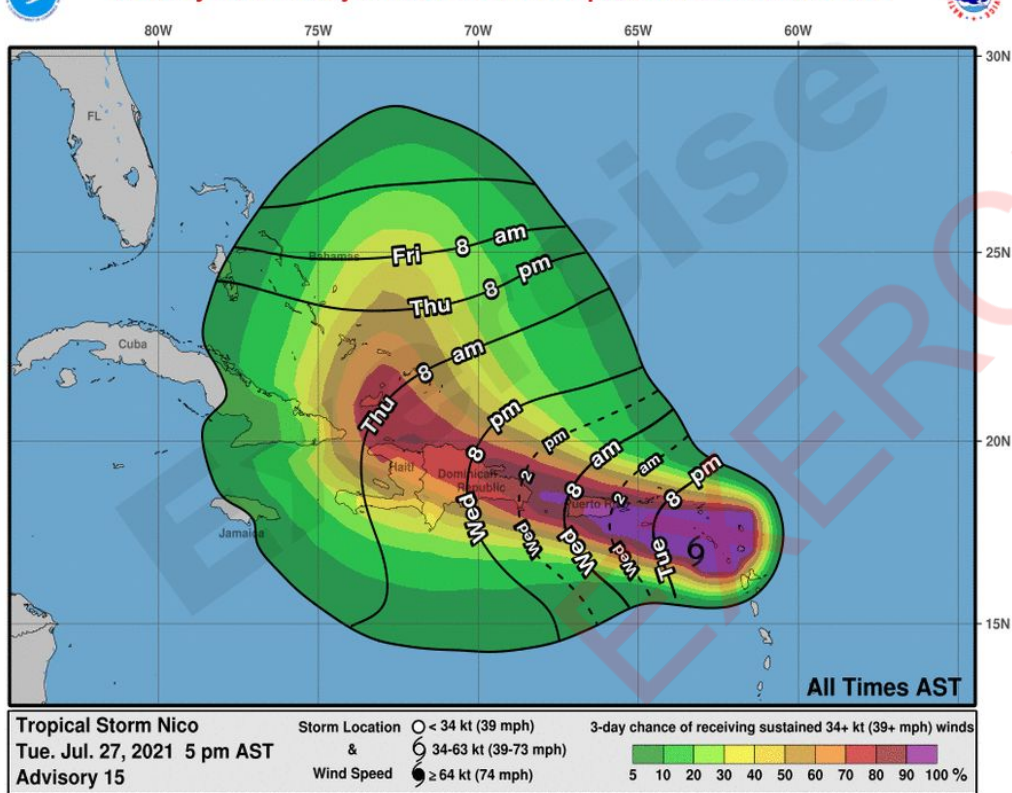
Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

- Ponce PR 40%
  - Aguadilla PR 50%
  - San Juan PR 30%
  - Vieques PR 40%
  - St. Thomas 10%
  - St. Croix 60%
- 
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.



## Tropical Storm Nico

### 0-3 Day Most Likely Arrival Time of Tropical-Storm-Force Winds



- Puerto Rico: **Late tonight**

- The most likely time of arrival of Tropical Storm Force Winds (34kt to 63 kt) for this cyclone based off the current track and wind radii.

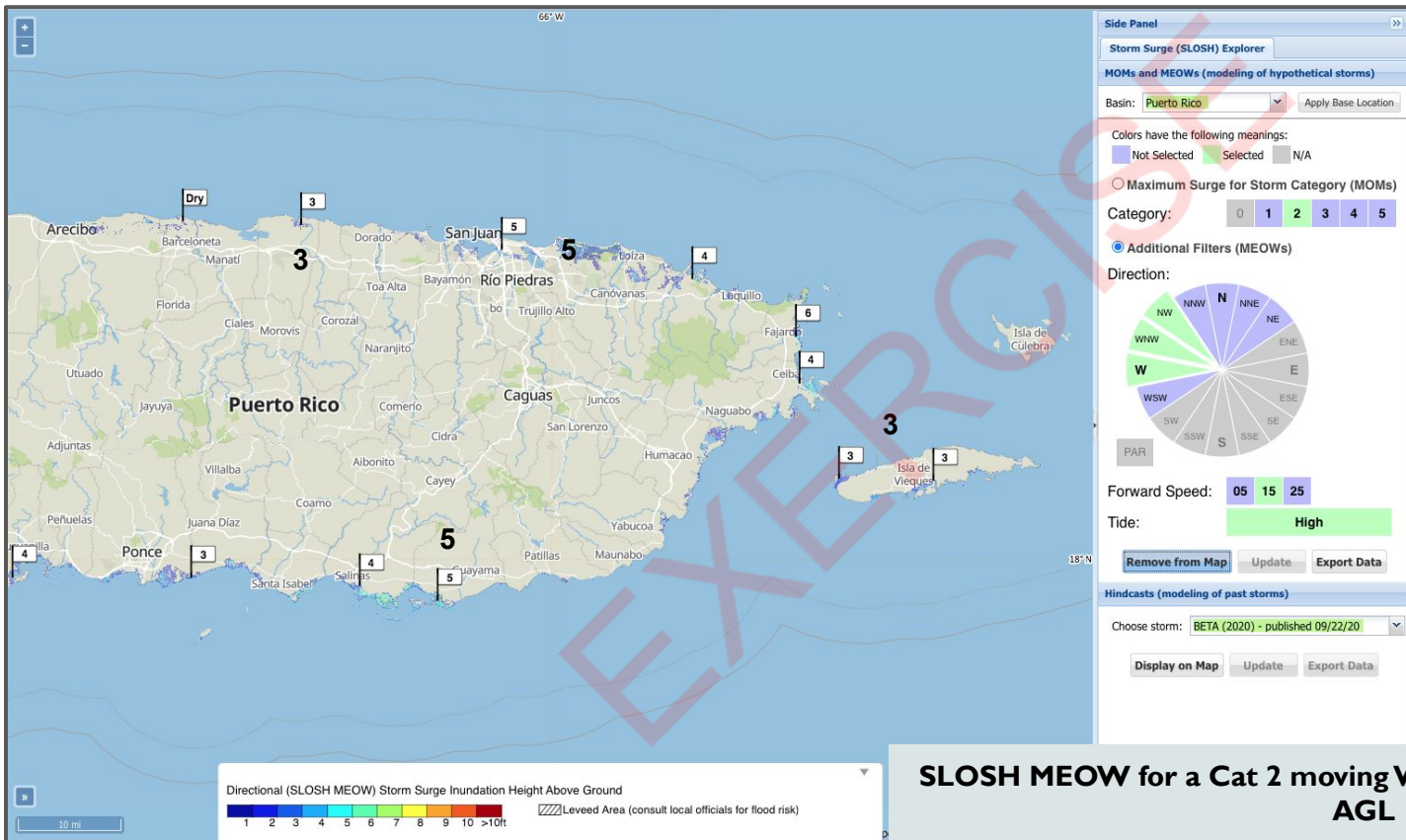


# Storm Surge

## Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



**SLOSH MEOW for a Cat 2 moving WNW at 15 mph at high tide - AGL**

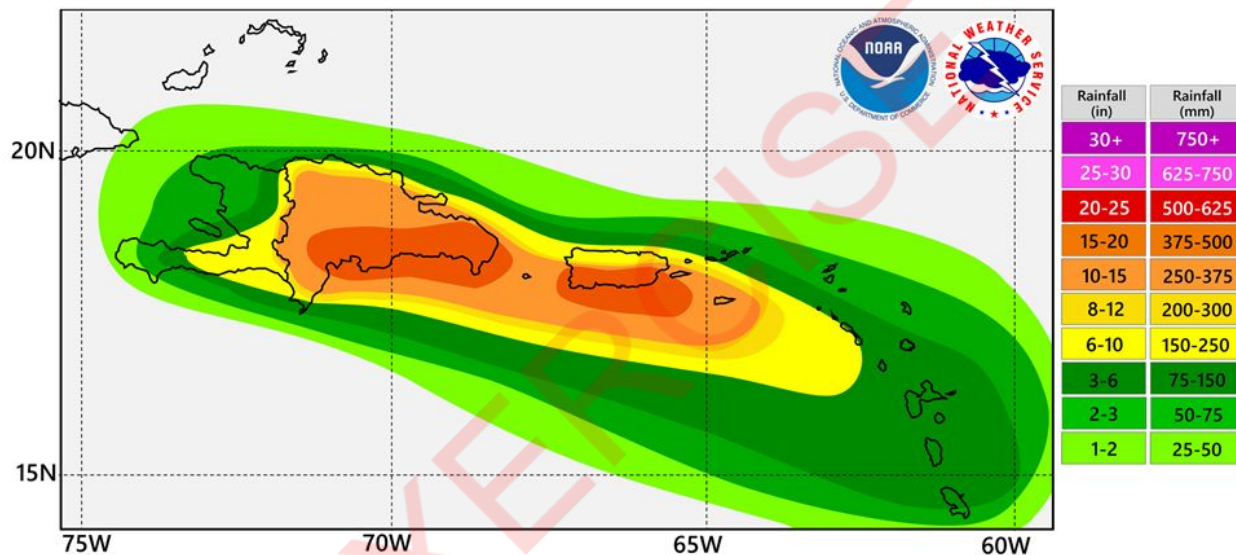
- Areas at risk for a Cat 2 MEOW show inundation values at 2-4 ft AGL.
- Southeast coast of St. Thomas Island is showing values up to 6 ft AGL.
- Storm surge is represented in feet above the ground at any given point.

# Expected Storm Total Rainfall and Chance of Rainfall Flooding

## Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center



Exercise Prepared by the WPC International Desks

- Based on current track, southern half of Puerto Rico could receive 10-20" with locally higher amounts
- This could bring life-threatening flash flooding and mudslides

# Marine Key Messages

Tropical Storm Nico



Tropical Analysis and Forecast Branch  
NWS National Hurricane Center

- Seas greater than 12 ft have expanded to within 360 nm of the center
- Seas are expected to build to 22 ft
- Dangerous surf and high waves will start to impact Puerto Rico this evening

## IMPACTS FOR **D7** (through next 5 days)

**Winds** – **High**

**Storm Surge** – **Medium**

**Rainfall/Flash Flooding** – **Extreme**

**Tornadoes** – **Low**

**Waves** – **High**



# BRIEFING

You can contact the Tropical Analysis and Forecast Branch at  
305-229-4424

*The Next Briefing Will Be:*  
Wednesday, 9:00 AM EDT

*You can always find get the latest graphics and information for this storm at [www.hurricanes.gov](http://www.hurricanes.gov)*