

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

**Winds – High**

**Storm Surge – High**

**Rainfall/Flash Flooding – High**

**Tornadoes – Medium**

**Waves - High**

**Hurricane Lisa  
BRIEFING**  
Wed July 19, 2023 – 9am EDT



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*Tropical Analysis and Forecast Branch*  
*NWS National Hurricane Center*



# Situation Overview

**\*\*EXERCISE\*\***

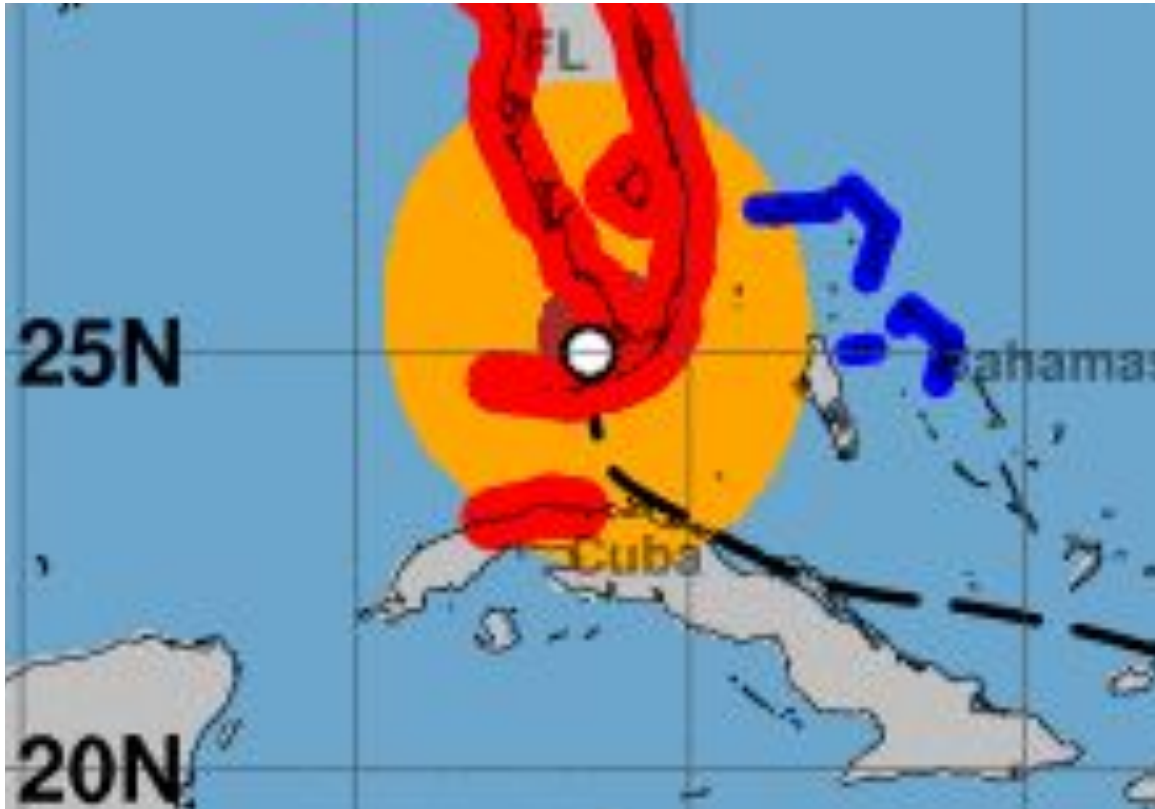


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Hurricane Lisa



Surface Wind Field of Hurricane Lisa  
Sustained Winds as of 500 AM AST Wed Jul 19 2023 Advisory Number 27



**...Hurricane Conditions continue in the Keys...**

**...Tropical Storm Conditions Beginning in the Tampa Bay area...**

Summary of 500 AM EDT Information

-----  
Location... 25.0N 81.4W  
About 35 nm...NE of Key West, FL  
About 185 nm...SSE of Tampa, FL  
Maximum Sustained Winds...75 kt  
Present Movement...NW at 11 kt

Size

34 kt...180 NE 140 SE 100 SW 180 NW  
Seas to 24 ft

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# Forecast Information

## Hurricane Lisa

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- **Hurricane Warnings and Storm Surge Warnings remain in effect for South Florida, the Florida Keys, and the west coast of Florida.**
- **TS winds should continue for South FL and the Florida Keys through late tonight. Winds will drop below hurricane force in the Keys by late this morning.**
- **In the Tampa Bay area, tropical storm conditions are beginning now, with hurricane conditions arriving by mid to late afternoon, and closest approach this evening**
- **Lisa is forecast to remain a hurricane through tonight.**

- 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

\*\* 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.

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

# T.S. Wind Speed Probabilities

**\*\*EXERCISE\*\***

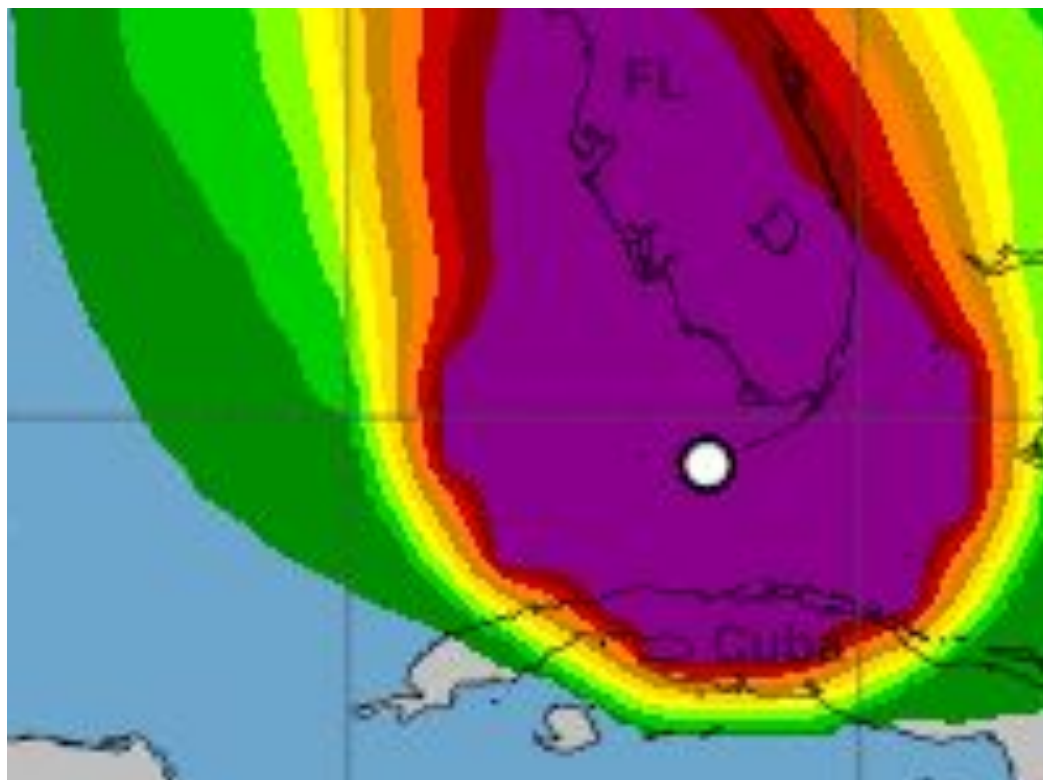


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Hurricane Lisa



**Tropical-Storm-Force Wind Speed Probabilities**  
For the 48 hours (2.00 days) from 2 AM AST WED JUL 19 to 2 AM AST FRI JUL 21



Probability of tropical-storm-force winds (1-minute average  $\geq 39$  mph) from all tropical cyclones  
○ indicates Hurricane Lisa center location at 2AM AST WED JUL 19 2023 (Forecast/Advisory #27)



- Tampa 100% (+5%)
  - Key West 100% (+5%)
  - Miami 100% (+5%)
  - Opa Locka 100% (+5%)
  - Ft Lauderdale 100% (+5%)
- 
- 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.

**\*\*EXERCISE\*\***

**\*\*EXERCISE\*\***



# Hurricane Wind Speed Probabilities **\*\*EXERCISE\*\***

## Hurricane Lisa



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Probability of hurricane-force winds (1-minute average  $\geq 74$  mph) from all tropical cyclones  
○ indicates Hurricane Lisa center location at 2 AM AST WED JUL 19 2023 Forecast/Advisory #27



- Key West 50% (+10%)
  - Miami 30% (-10%)
  - Opa Locka: 30% (-5%)
  - Ft Lauderdale 20% (-10%)
  - Tampa 65% (+25%)
- 
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.

# Most Likely Time of Arrival and T.S. Wind Speed Probabilities

**\*\*EXERCISE\*\***

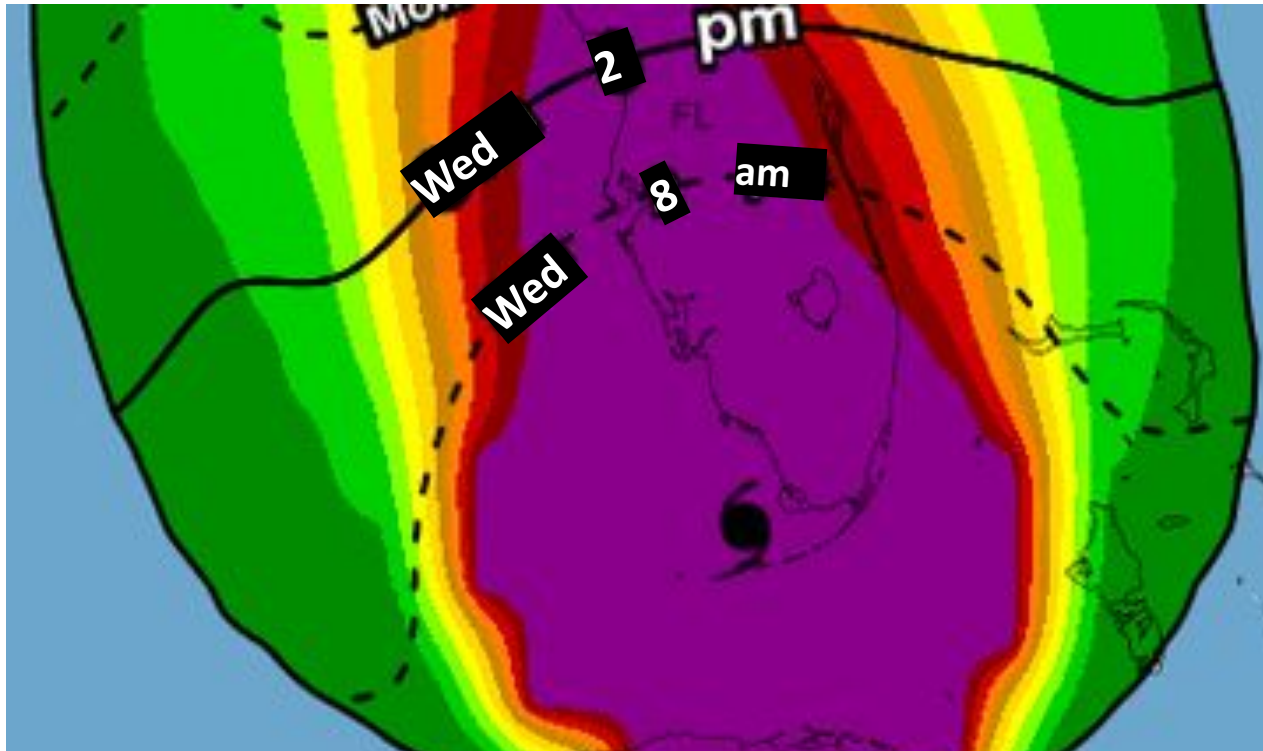


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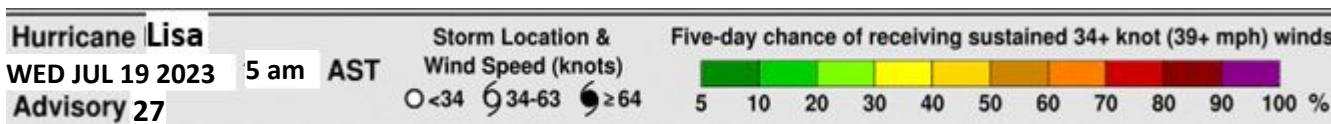
Hurricane Lisa



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



- Tampa Bay area: **Tropical Storm winds are beginning right now**
- 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.



**\*\*EXERCISE\*\***

**\*\*EXERCISE\*\***

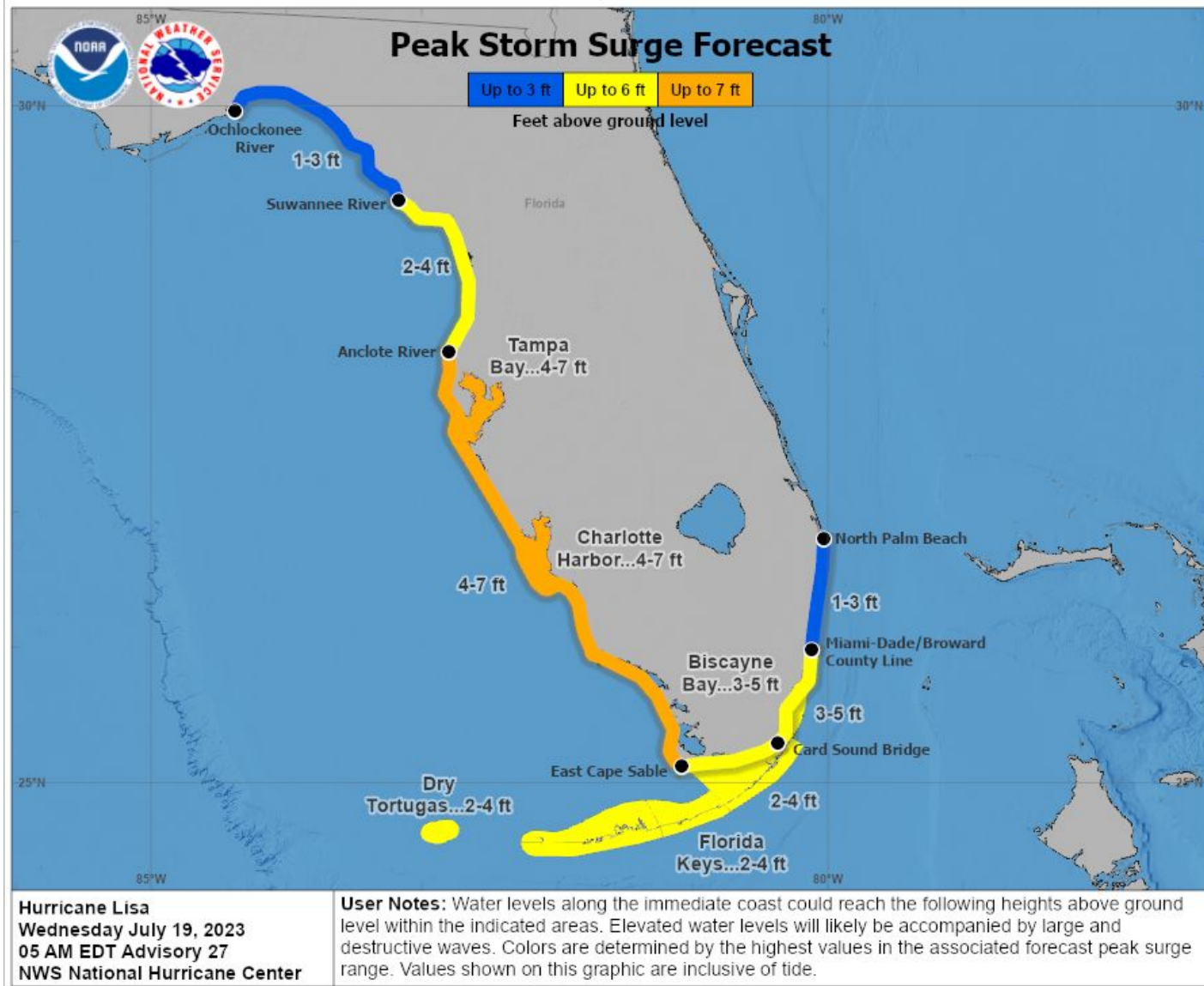
# Storm Surge

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## Hurricane Lisa



- A storm surge of 4-7 ft above ground level is expected along the west coast of Florida. This includes the Tampa Bay area.
- A storm surge of 3-5 ft above ground level is forecast to occur somewhere along the coast near Biscayne Bay.
- A storm surge of 2-4 ft is forecast for portions of the Florida Keys, and for portions of the area from Anclote River to Suwannee River.

**\*\*EXERCISE\*\***

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**\*\*EXERCISE\*\***



# Expected Storm Total Rainfall and Chance of Rainfall Flooding

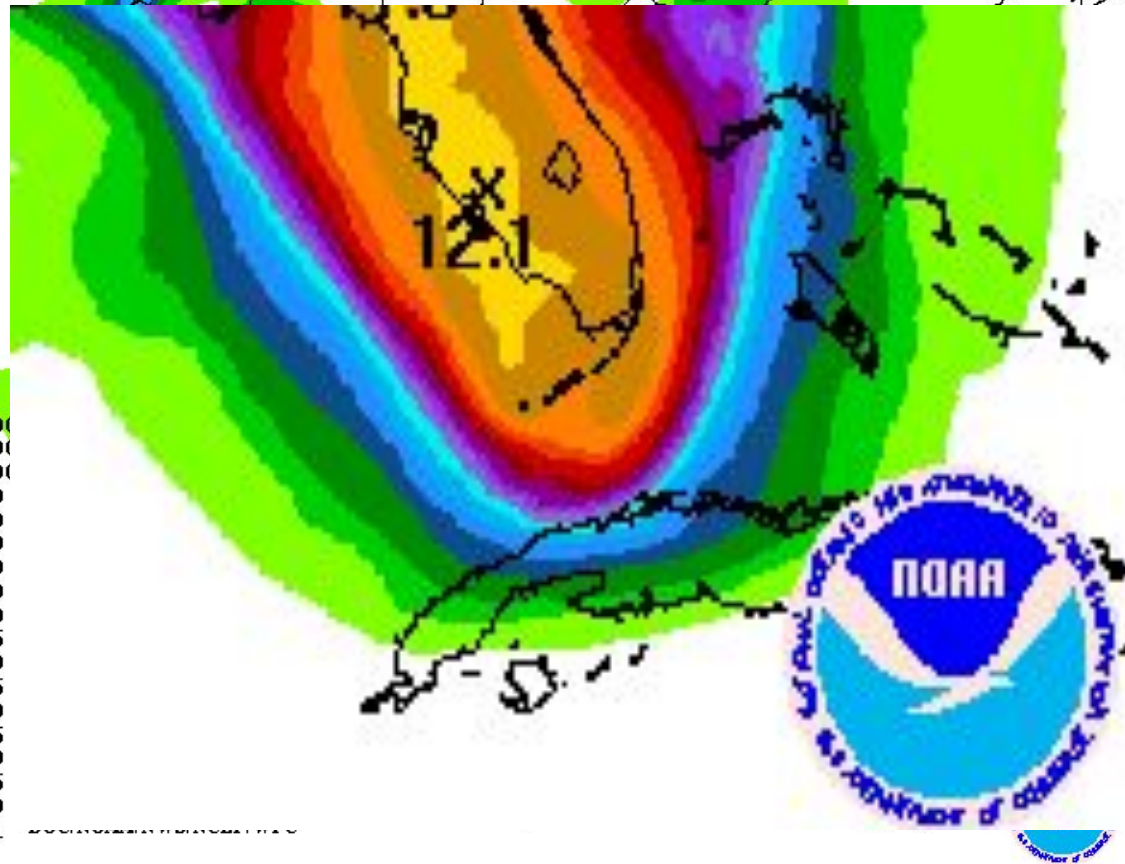
Weather Prediction Center

**\*\*EXERCISE\*\***

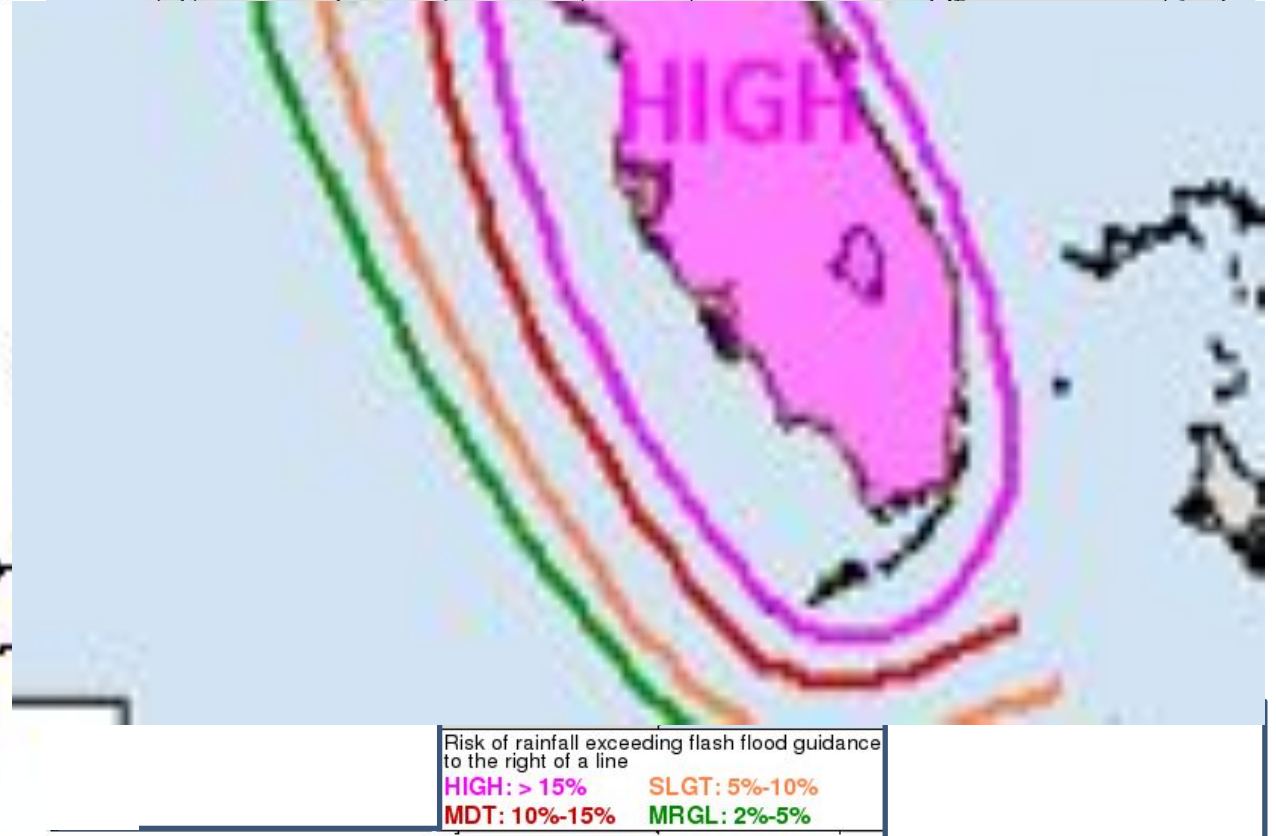


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NWS National Hurricane Center

Hurricane Lisa



- Total rainfall in inches over the next 2 days
- Rainfall amounts 6-12" with localized amounts of 20" possible



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

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

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**\*\*EXERCISE\*\***



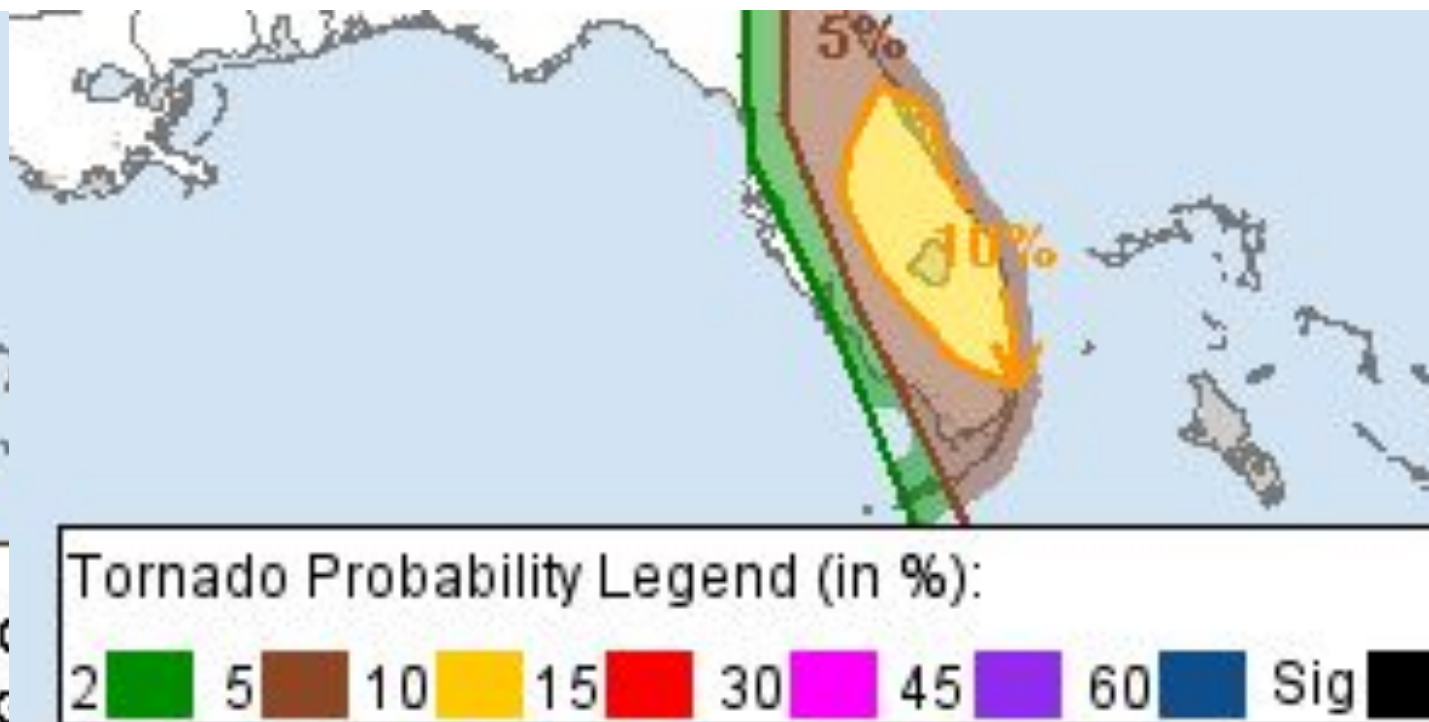
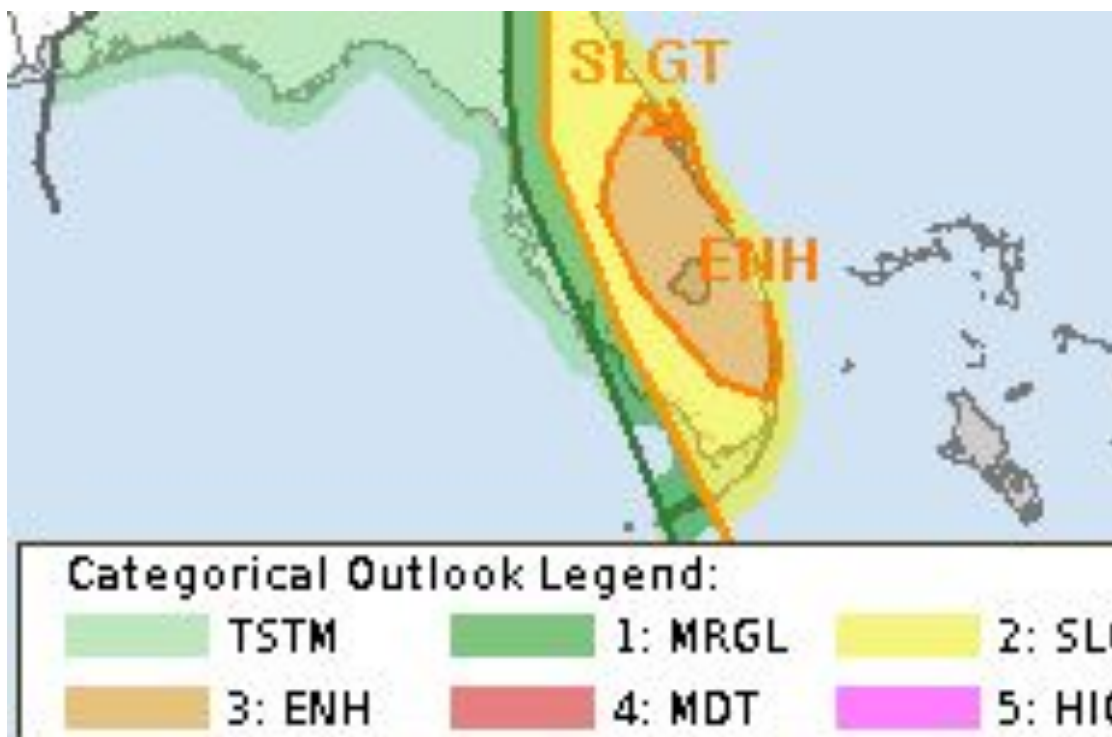
# Tornado Potential - Storm Prediction Center

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NWS National Hurricane Center

Hurricane Lisa



Day 1  
(Through tonight)

**\*\*EXERCISE\*\***

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**\*\*EXERCISE\*\***

# Marine Key Messages

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## Hurricane Lisa

- Large waves and hazardous surf are currently occurring along all of the Florida coastal areas, and will continue through tonight. Peak conditions will spread northward along Florida's west coast.
- **18-24 ft seas** are occurring near the center, near the Keys and off SW Florida.

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

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Tornadoes – **Medium**

Waves - **High**

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