

IMPACTS FOR D7 (through next 5 days)

Winds – High

Storm Surge – High

Rainfall/Flash Flooding – High

Tornadoes – Medium

Waves - High

**Hurricane Lisa
BRIEFING
Mon July 17, 2023 – 5pm EDT**



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NWS National Hurricane Center*



Situation Overview

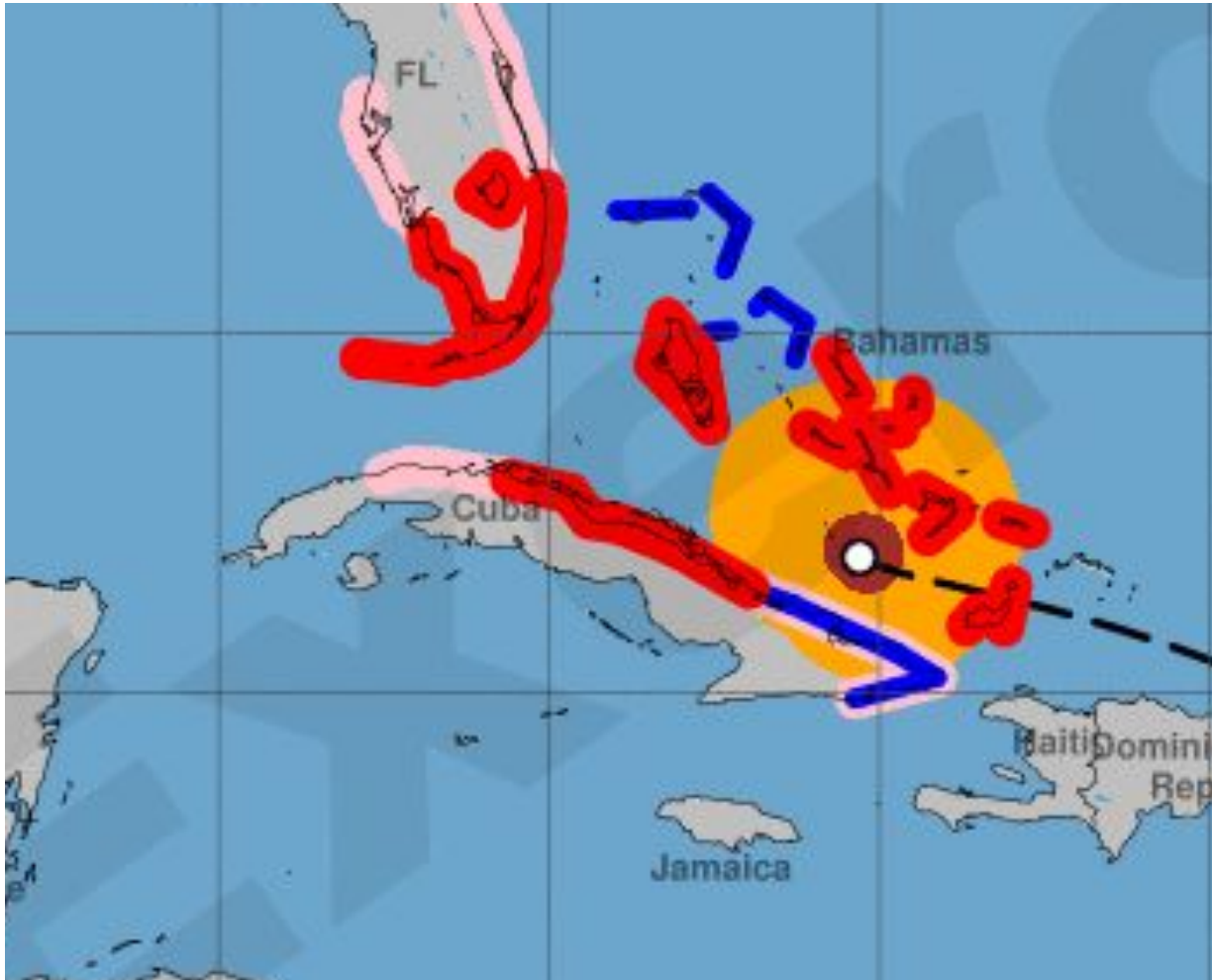
****EXERCISE****



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Hurricane Lisa

 **Surface Wind Field of Hurricane Lisa**
Sustained Winds as of 500 PM AST Mon Jul 17 2023 Advisory Number 21 



...Hurricane Conditions Expected to Begin Impacting Portions of the Florida Keys and South Florida Tuesday night...

Summary of 500 PM EDT Information

Location... 21.9N 75.3W
About 355 nm...SE of Miami, FL
About 390 nm...ESE of Key West, FL
Maximum Sustained Winds...75 kt
Present Movement...WNW at 12 kt

Size
34 kt...150 NE 130 SE 100 SW 130 NW
Seas to 25 ft

****EXERCISE****

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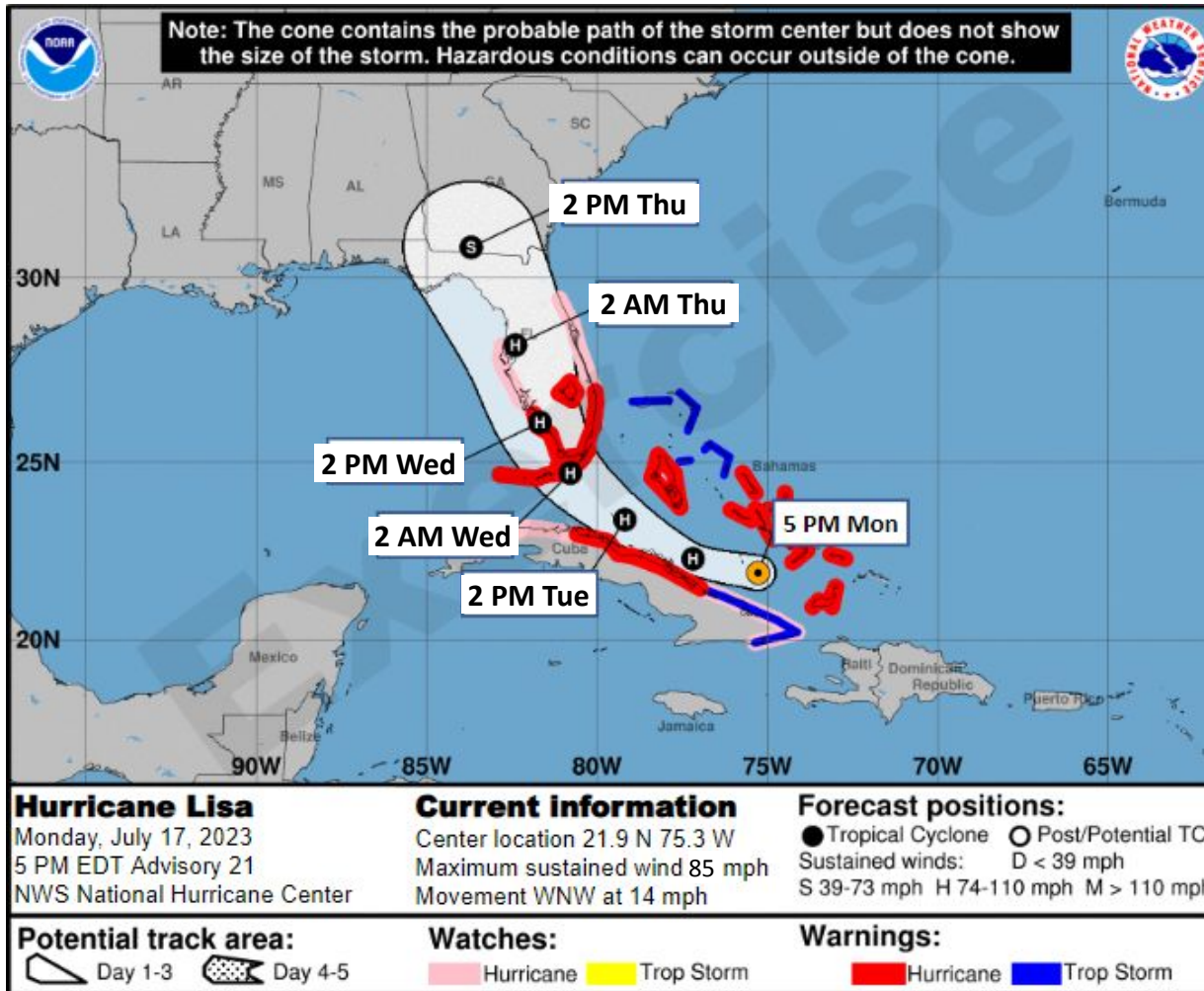
Forecast Information

Hurricane Lisa

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- Lisa will move over the Old Bahama Channel tonight, and approach the Florida Keys and South Florida Tuesday night
- Hurricane Warnings and Storm Surge Warnings for the Florida Keys and South Florida.
- Hurricane Watch and Storm Surge Watch for Tampa Bay
- Lisa is forecast to remain a hurricane through Wednesday night.

- 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****

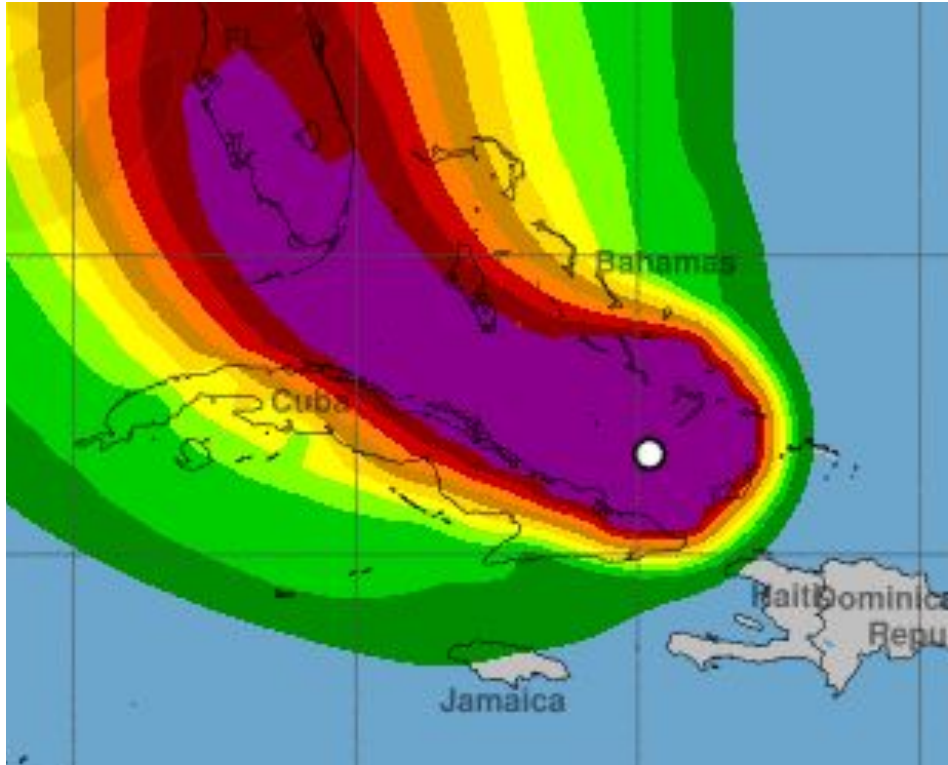


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Hurricane Lisa



Tropical-Storm-Force Wind Speed Probabilities
For the 72 hours (3.00 days) from 2 PM AST MON JUL 17 to 2 PM AST THU JUL 20



Probability of tropical-storm-force winds (1-minute average ≥ 39 mph) from all tropical cyclones
O indicates Hurricane Lisa center location at 2 PM AST MON JUL 17 2023 (Forecast/Advisory #21)



- Tampa 90% (+5%)
- Key West 90% (+5%)
- Miami 95% (+5%)
- Opa Locka 95% (+5%)
- Ft Lauderdale 95% (+10%)

- 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****



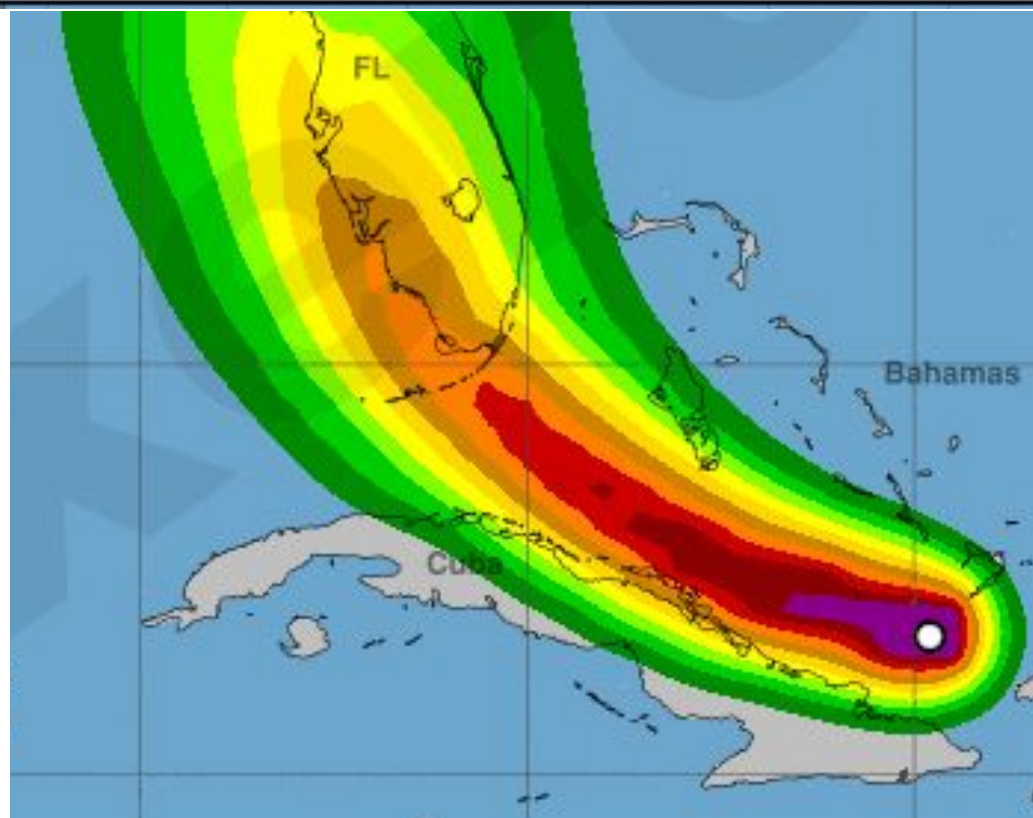
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Hurricane Lisa



Hurricane-Force Wind Speed Probabilities

For the 72 hours (3.00 days) from 2 PM AST MON JUL 17 to 2 PM AST THU JUL 20



Probability of hurricane-force winds (1-minute average ≥ 74 mph) from all tropical cyclones
○ indicates Hurricane Lisa center location at 2 PM AST MON JUL 17 2023 Forecast/Advisory #21



- Key West 35% (+5%)
- Miami 40% ($\pm 0\%$)
- Opa Locka: 35% ($\pm 0\%$)
- Ft Lauderdale 30% ($\pm 0\%$)
- Tampa 40% (+15%)

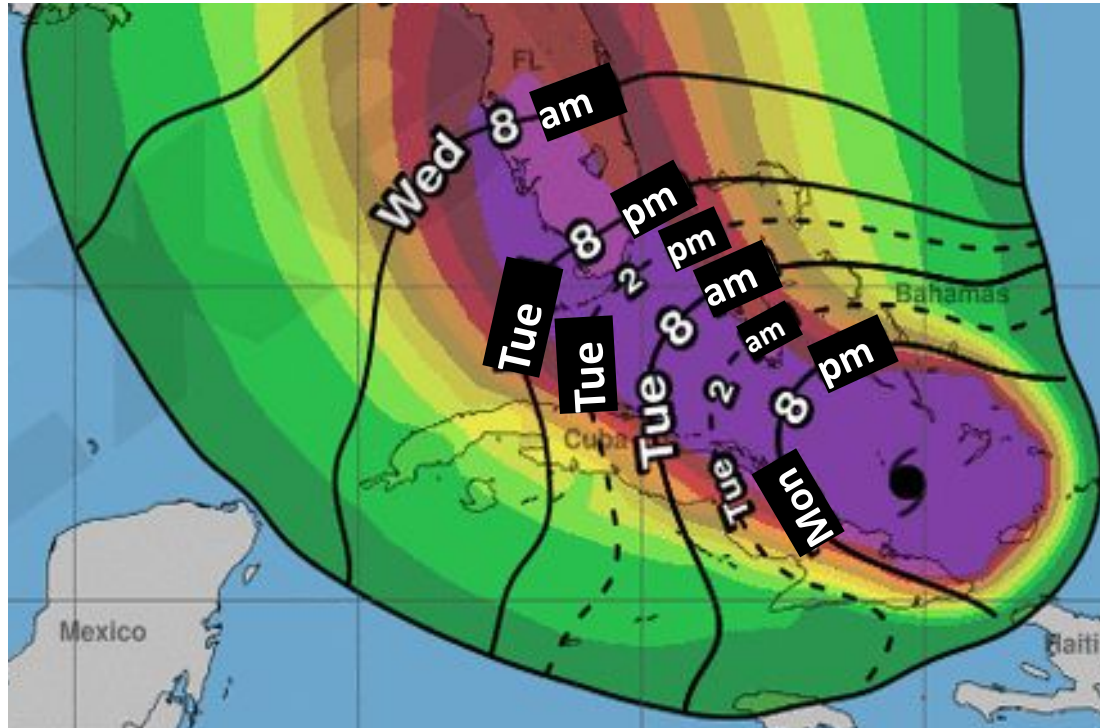
- Probabilities of sustained hurricane force winds (64 kt +) over the next 5 days, based off this cyclone's wind radii and track.



Hurricane Lisa



Most Likely Arrival Time of Tropical-Storm-Force Winds



- South FL and the FL Keys: **Tuesday afternoon**
- Tampa Bay area: **Early Wed**
- 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.

Hurricane Lisa
MON JUL 17 2023 5 pm AST
Advisory 21

Storm Location & Wind Speed (knots)
○ <34 ○ 34-63 ● ≥64

Five-day chance of receiving sustained 34+ knot (39+ mph) winds
5 10 20 30 40 50 60 70 80 90 100 %

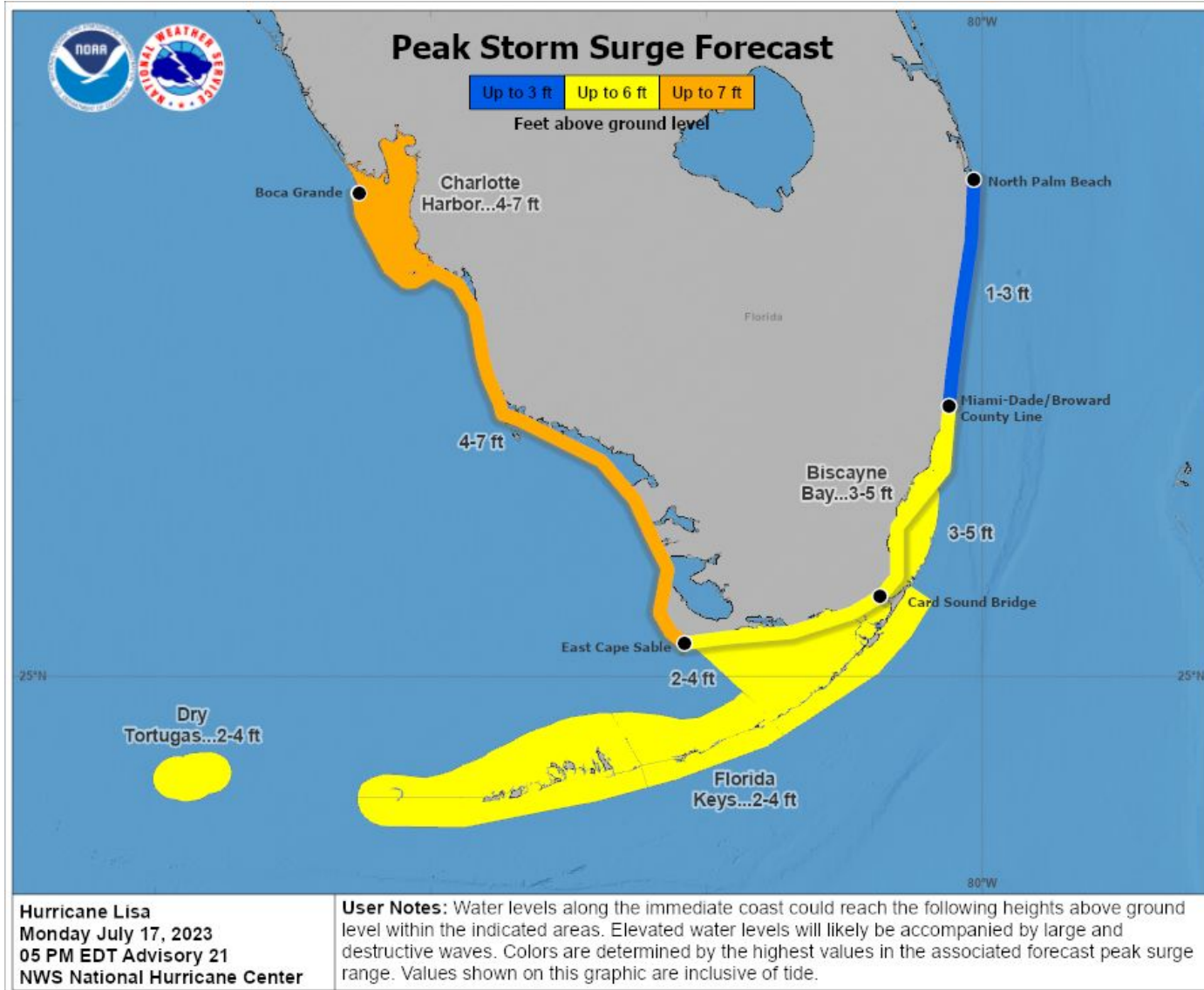
Storm Surge

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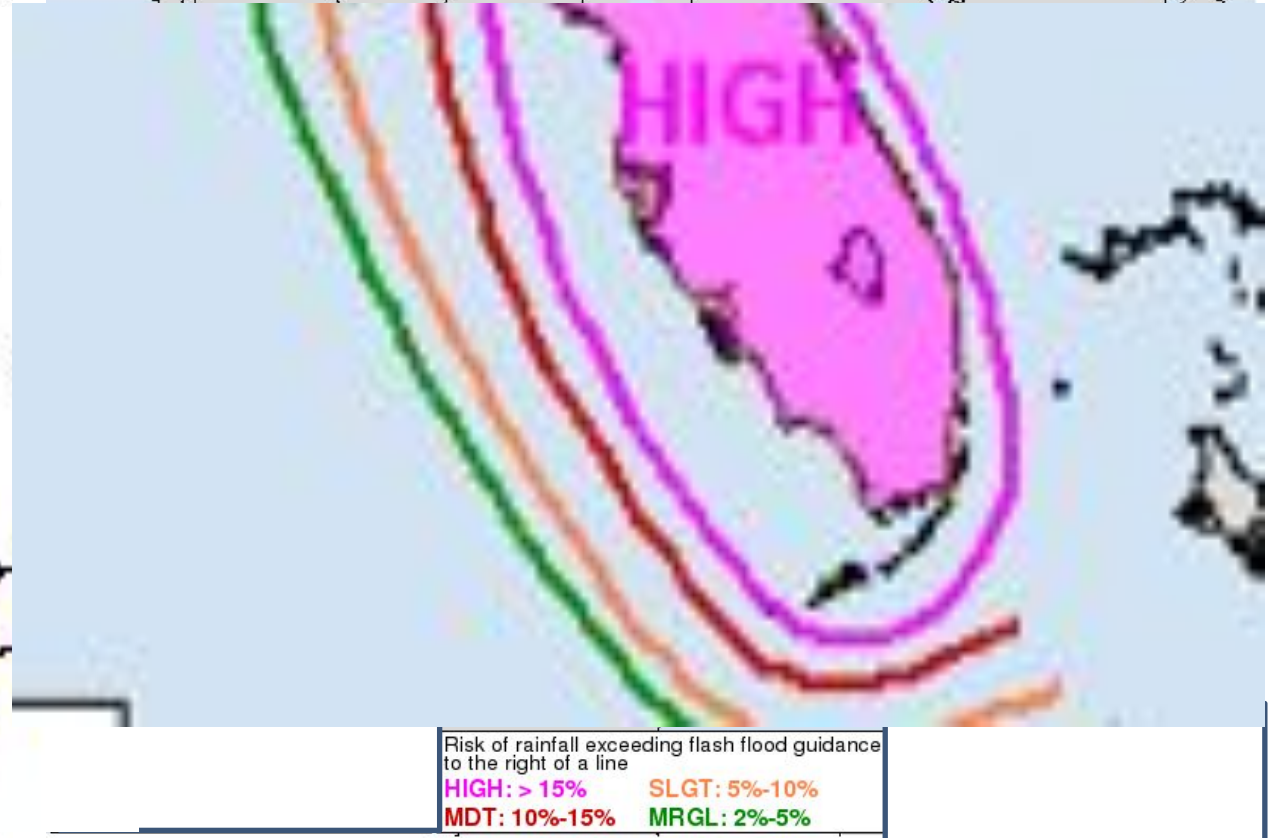
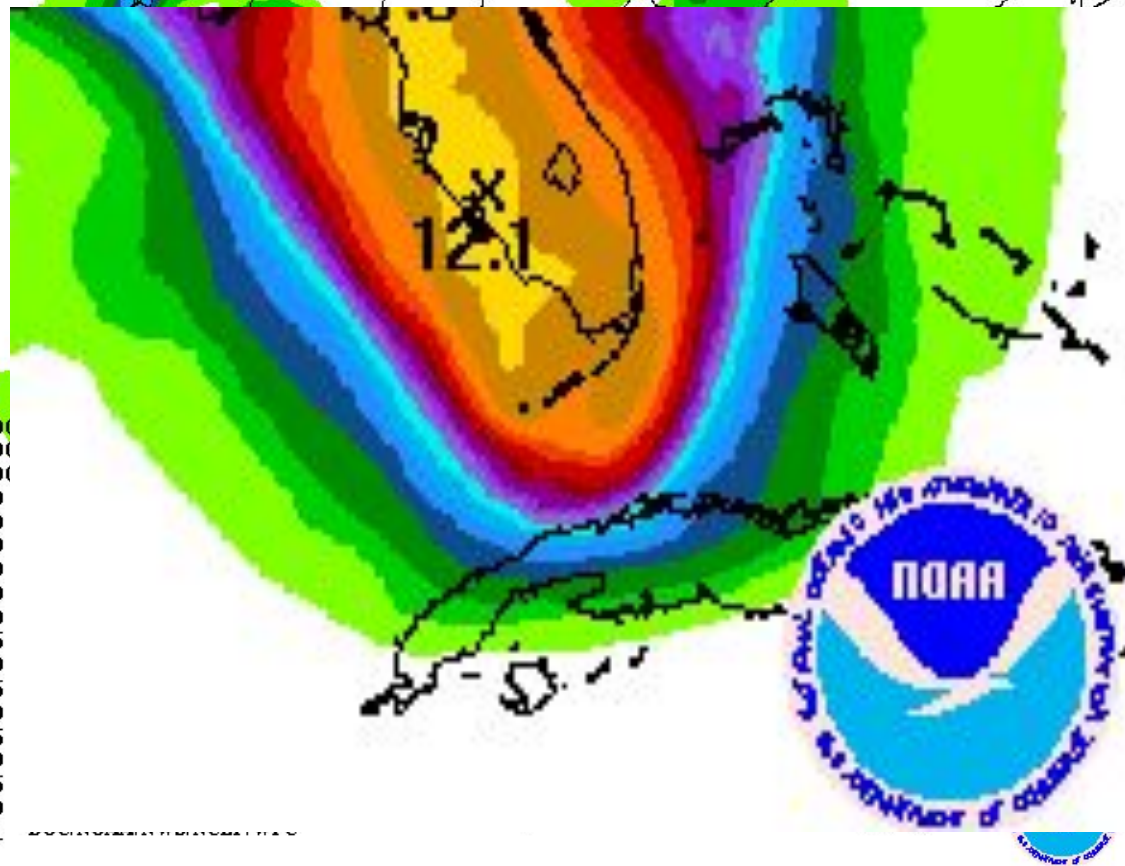
Hurricane Lisa



- A storm surge of 4-7 ft above ground level is expected along the SW coast of Florida.
- 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.



Hurricane Lisa



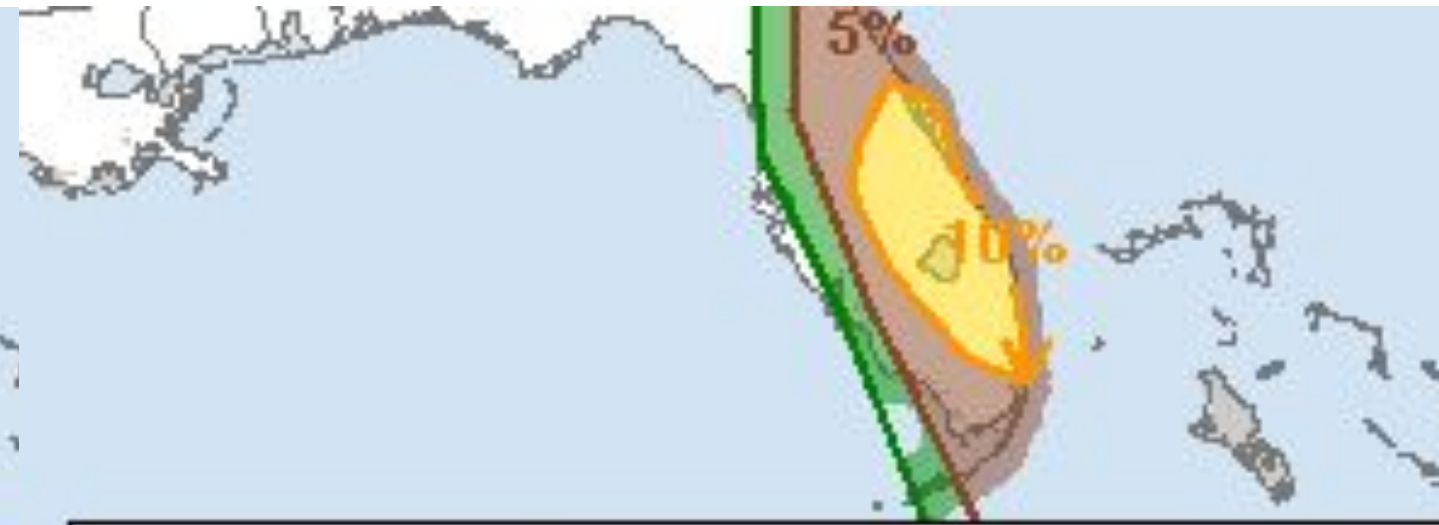
- Total rainfall in inches over the next 3 days
- Rainfall amounts 6-12" with localized amounts of 20" possible

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

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



Hurricane Lisa



Categorical Outlook Legend:



Tornado Probability Legend (in %):



Day 2 (Tuesday through
Tuesday night)



Hurricane Lisa

- Large waves and hazardous surf could arrive along the Florida coast as early as tonight
- Seas **25-30 ft** could build near South Florida if the track holds

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

Winds – **High**

Storm Surge – **High**

Rainfall/Flash Flooding – **High**

Tornadoes – **Medium**

Waves – **High**