



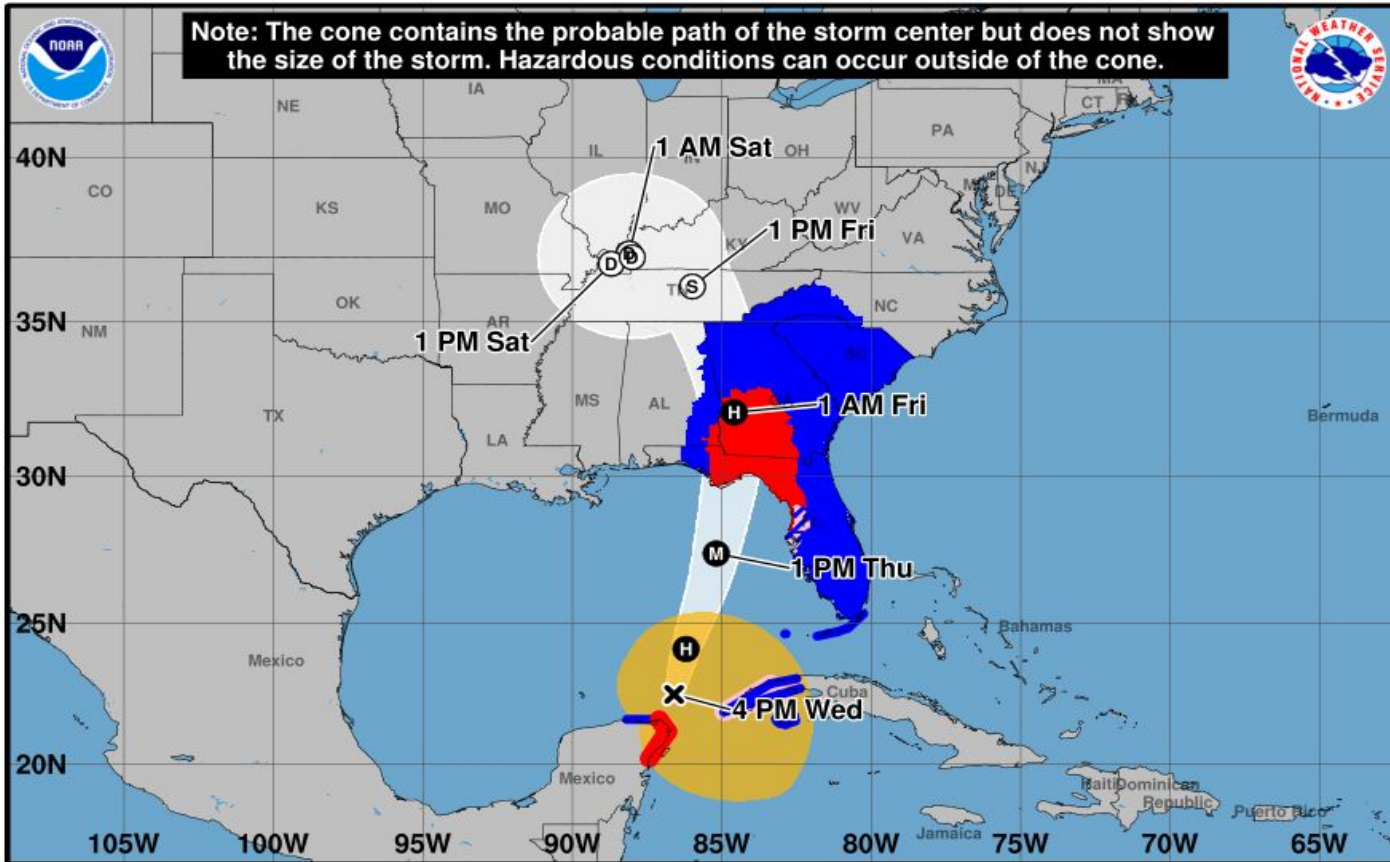
Hurricane Helene

September 25, 2024
5:38 PM

Valid for Eastern North Carolina

OVERVIEW

Helene is expected to become a major hurricane by Thursday. While significant impacts will remain west of our area, some impacts are still possible for Eastern North Carolina.



Hurricane Helene
 Wednesday September 25, 2024
 4 PM CDT Advisory 10
 NWS National Hurricane Center

Current information: X
 Center location 22.5 N 86.6 W
 Maximum sustained wind 85 mph
 Movement N at 12 mph

Forecast positions:
 ● Tropical Cyclone ○ Post/Potential TC
 Sustained winds: D < 39 mph
 S 39-73 mph H 74-110 mph M > 110 mph

Potential track area: Day 1-5
Watches: Hurricane (pink), Trop Stm (yellow)
Warnings: Hurricane (red), Trop Stm (blue)
Current wind field estimate: Hurricane (brown), Trop Stm (orange)

TIMING

- As early as Thursday night. The most likely period for impacts would be Friday.

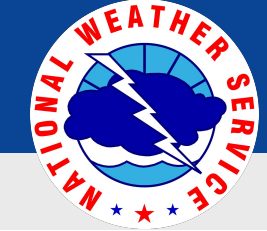
HAZARDS & IMPACTS

- A few tornadoes are possible which may produce enhanced areas of damage.
- Enhanced threat for rip currents.
- Minor coastal flooding, especially in areas still with elevated water levels.
- Gusty winds, especially over the coastal waters south of Cape Hatteras.

NEXT BRIEFING

- By noon tomorrow.
- Follow hurricanes.gov for updates on Helene.





Threat Levels/Timing - Max Values

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Hurricane Helene

	Thursday		Thursday Night		Friday		Friday Night		Saturday	
Wind	0	0	0	0	1	1	1	0	0	0
Coastal Flooding/Surge	0	0	0	0	1	1	0	0	0	0
Rain/Flooding	0	0	0	0	1	1	0	0	0	0
Tornado	0	0	0	0	2	2	0	0	0	0
Marine	0	0	2	2	2	2	2	1	0	0

Effects and Impacts Legend

- 0** Little to No Impact
- 1** Minor Impact
- 2** Moderate Impact
- 3** High Impact
- 4** Extreme Impact

Key Messages

- Timing and threat levels are based on the most likely or current track. **These are subject to CHANGE.**
- Continue to monitor future updates and do not anchor on one forecast!



Tornado Threat Friday

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Hurricane Helene



- The highest threat to our area from Helene may be the risk for a few tornadoes Friday.
- Be sure your phone is charged and not turned off.
- Have multiple ways to receive warnings.
- Know where your safe place is, if a **WARNING** is issued.

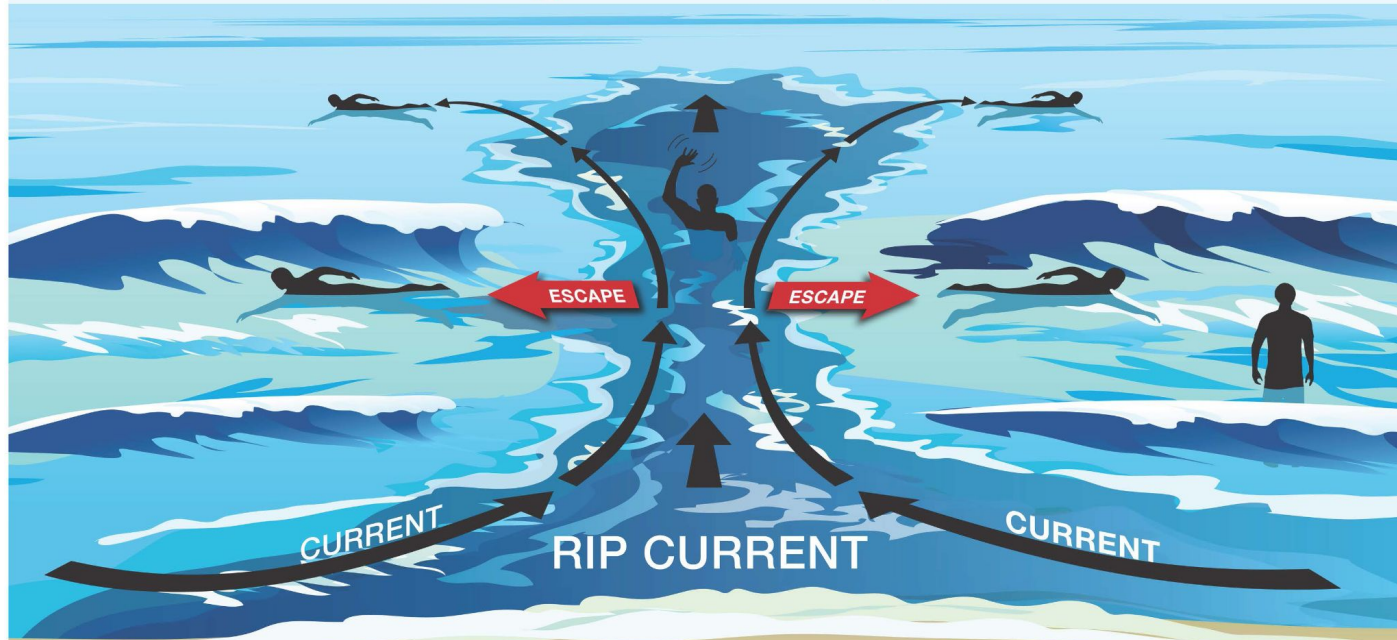




Dangerous Rip Currents Through Friday

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RIP CURRENTS Know your options



Rip currents are powerful currents of water moving away from shore. They can sweep even the strongest swimmer away from shore. If at all possible, swim near a lifeguard.

- Dangerous rip currents and high surf expected.
- Do not enter the surf under RED FLAG conditions. Visit lifeguarded beaches.
- Know how to get out of a rip current by swimming left or right (parallel to coast).
- Find the latest beach forecast at [weather.gov/beach/mhx](https://www.weather.gov/beach/mhx)





Total Rainfall

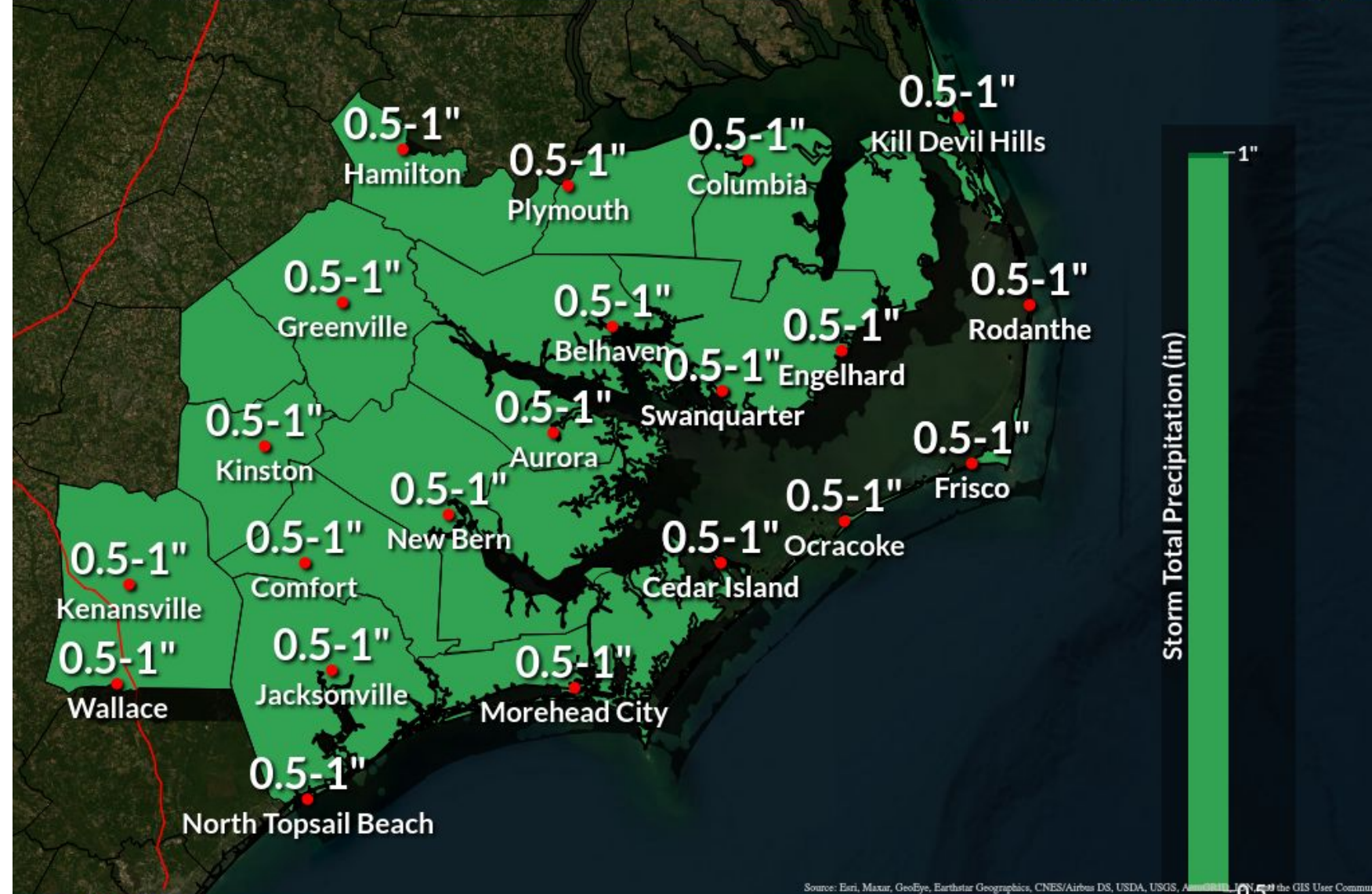
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Hurricane Helene

Forecast Rainfall From Helene

Thursday through Friday night

Weather Forecast Office
Newport/Morehead City, NC
Issued Sep 25, 2024 3:16 PM EDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, the GIS User Community

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- Based on the current track, the most significant rainfall would remain WEST of our area.
- Rain may be briefly heavy at times before ending rapidly by Friday evening.
- Low risk for flooding given our predicted rainfall amounts but monitoring closely given our saturated soil.



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U.S. Department of Commerce

National Weather Service
Newport/Morehead City, NC



Maximum Wind Gusts

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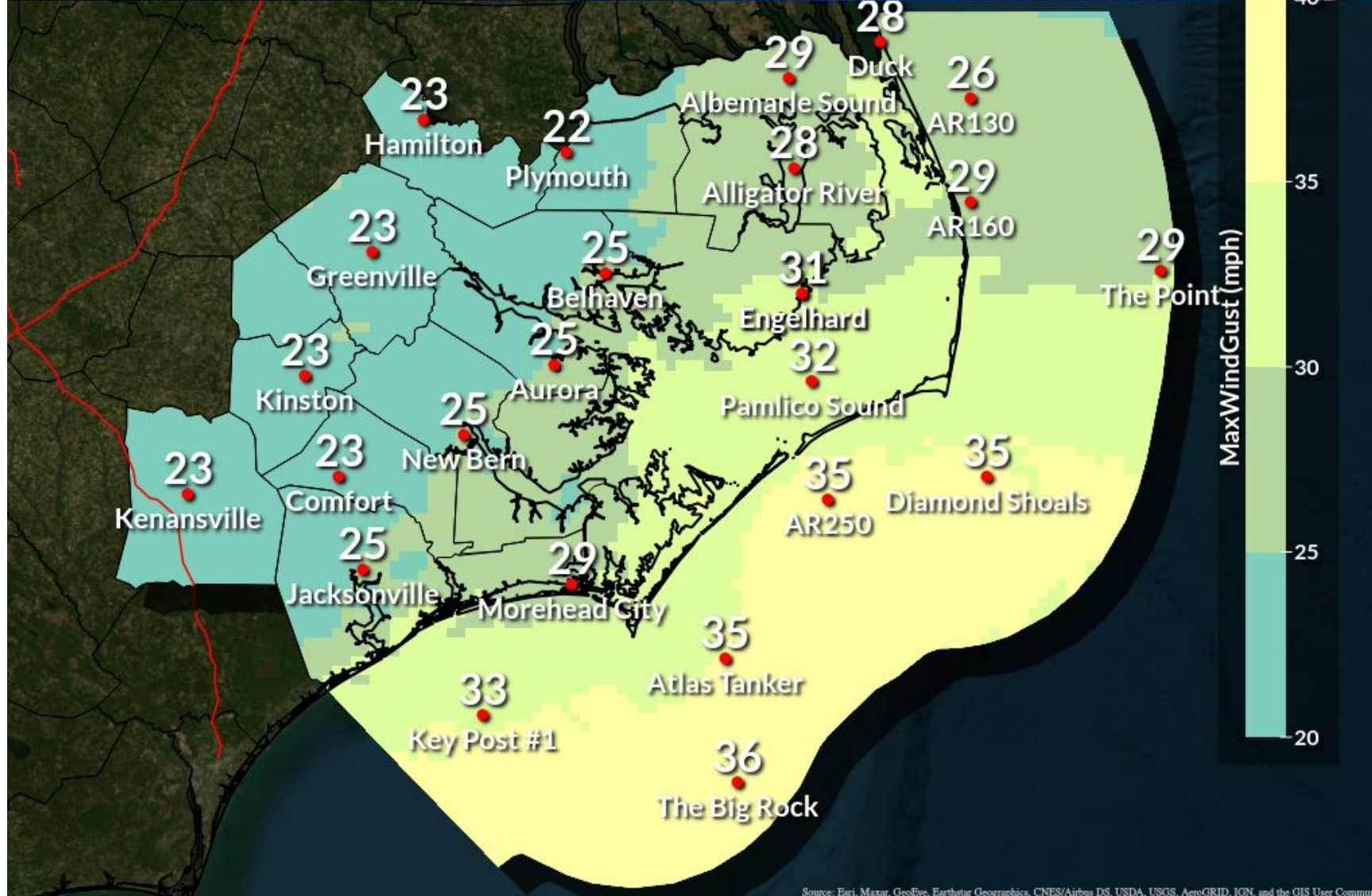
Hurricane Helene

Max Wind Gusts From Helene

Thursday night through Friday night

Weather Forecast Office
Newport/Morehead City, NC

Issued Sep 25, 2024 3:20 PM EDT



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

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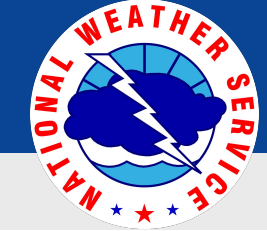
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- Little to no impact due to overall low wind speeds.
- Highest wind speeds over the coastal waters, especially south of Cape Hatteras.
- South to southeast winds may briefly elevate water levels.



National Oceanic and Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Newport/Morehead City, NC



Contact and Next Briefing Information

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For National Weather Service Newport / Morehead City



Briefing Webpage

→ weather.gov/media/mhx/LatestBriefing.pdf



Next Briefing

→ By Noon Thursday



Disclaimer

- Information contained in this briefing is time-sensitive
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