

# Helene Weather Impacts & Messages



## »» Tropical Storm Helene Forecast to Move Northward Into the Gulf of Mexico Today and will become a Hurricane

- Hurricane Warning in effect for the Suwannee Valley and portions of inland southeast GA
- Tropical Storm Warnings in effect for rest of northeast FL, Watches in effect elsewhere across southeast GA
- Outer rain bands begin This Afternoon & Evening, possible Tornado threat on Tonight & Thurs
- Windy Conditions, Life-threatening Rip Currents, and Dangerous Marine Conditions on Today & Thurs
- Moderate Tidal Flooding and Flash Flooding possible Thursday and Thursday Night

## »» High Rip Current Risk Through Friday at All Area Beaches

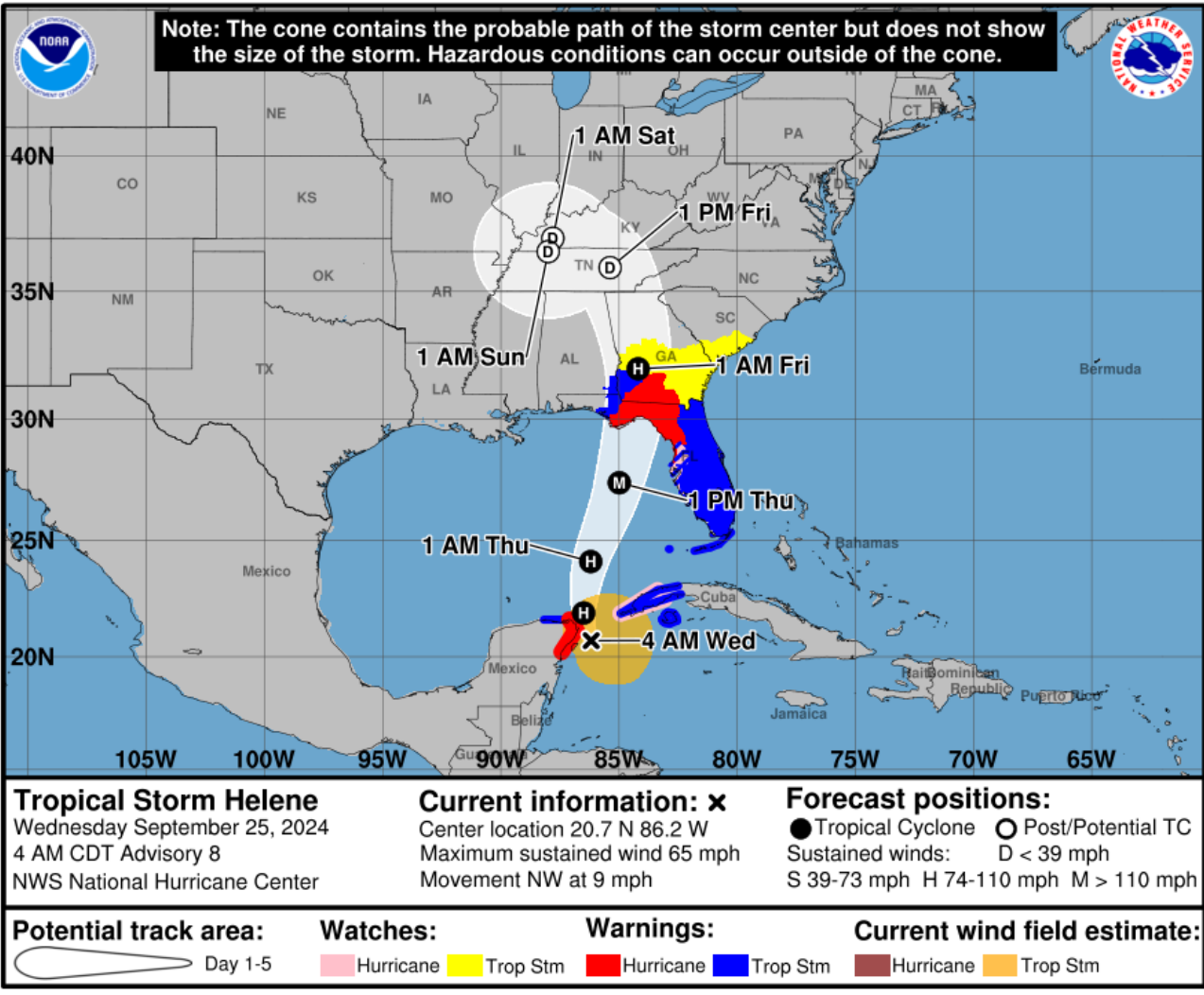
## »» Minor Flooding around High Tide for St. Johns River Basin through Wed Night



NATIONAL WEATHER SERVICE  
JACKSONVILLE, FL

ISSUED: Wednesday, September 25, 2024 7:05 AM

# TROPICAL STORM HELENE



Helene is forecast to strengthen into a hurricane when it enters the Gulf of Mexico later today, and potentially into a Major Hurricane before landfall on Thursday evening. Potential local impacts are expected Wednesday Night through early Friday morning.

**Complete all preparations Today!**

- ✓ Stock Supply Kits & Supplies
- ✓ Review Family Emergency Plan
- ✓ Bring Loose Outdoor Items Indoors
- ✓ Keep Trees Trimmed Near Your Home

**Potential Hazards**

- Strong Winds 
- Elevated Rip Currents 
- Flash Flooding 
- Dangerous Boating 



**NATIONAL WEATHER SERVICE**  
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
**JACKSONVILLE, FL**

Wednesday, September 25, 2024  
 5 AM EDT

### Key Messages

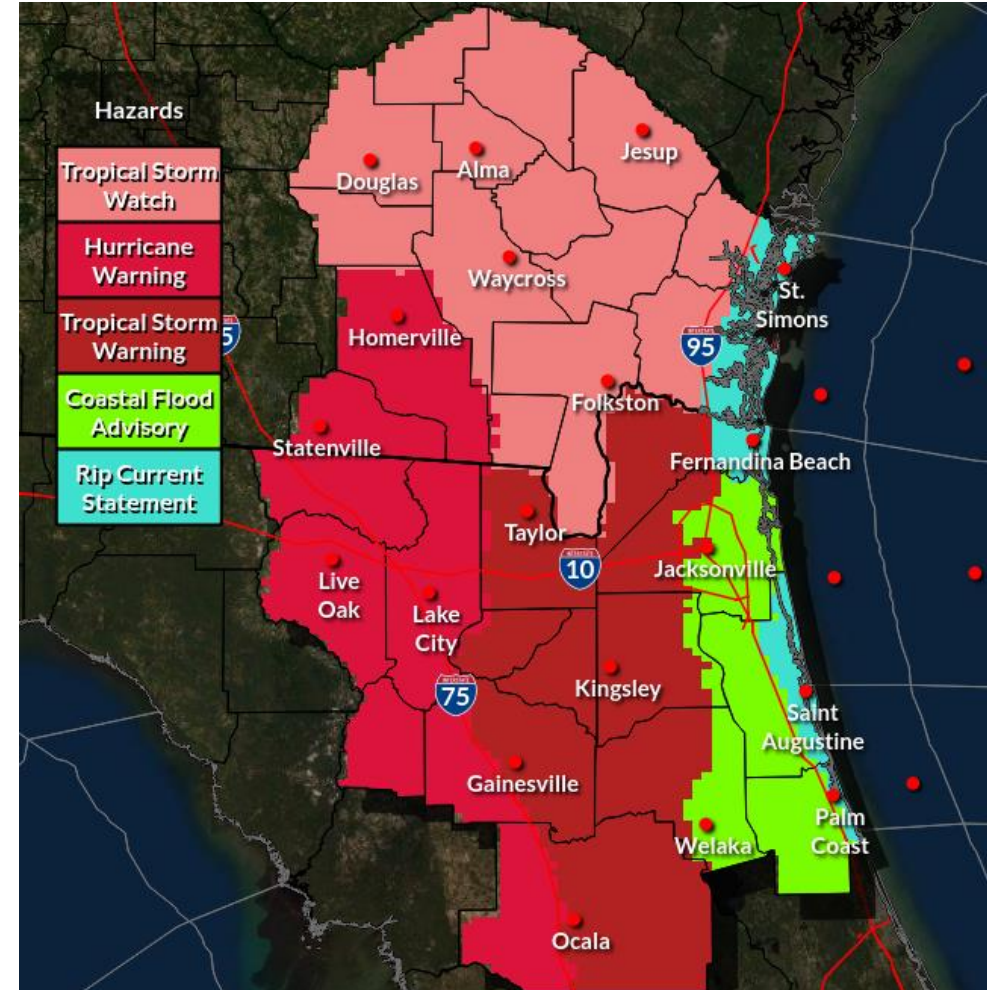
- Flood Watch in effect for the entire area
- Hurricane Warning in effect for Suwannee Valley
- Tropical Storm Warnings in effect for rest of NE FL, Tropical Storm Watch for rest of SE GA
- Worst conditions expected on Thursday and Thursday Night

### Impacts

- Hurricane force winds expected in the Suwannee Valley and portions of inland southeast GA
- Tropical storm force winds expected for rest of NE FL, possible for rest of SE GA
- Significant rainfall and potential for flash flooding
- Minor to Moderate Flooding around times of High Tide along the Atlantic Coast and within the St Johns River

### Timing

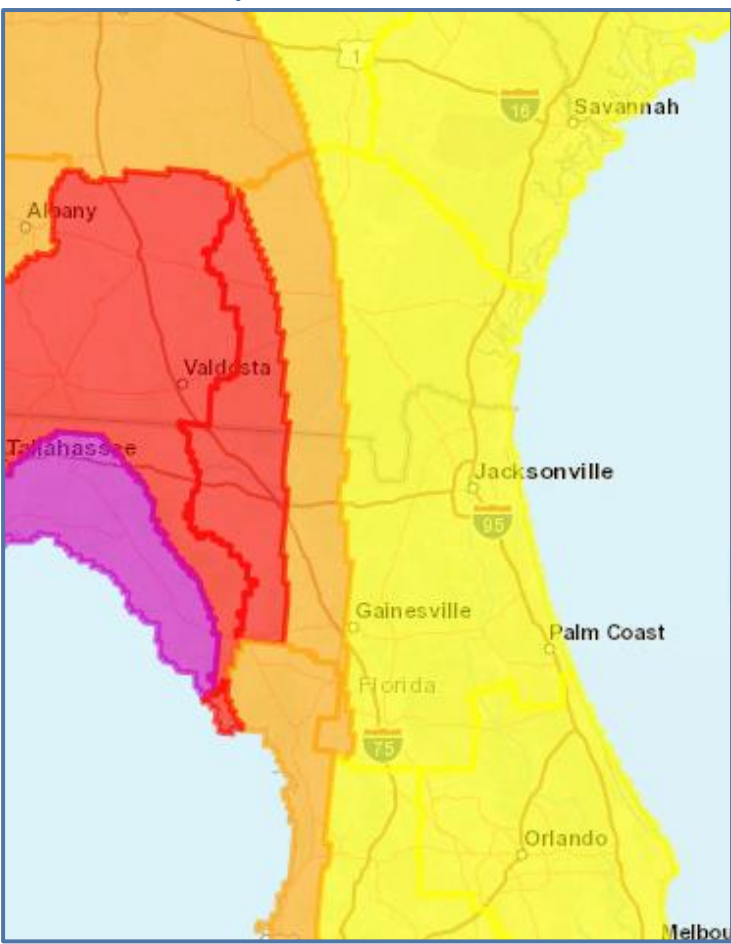
- Local Impacts Wednesday Night through Friday Morning





# Wind Potential

Tropical Storm Helene



Wind Threat
Potential for wind greater than 110 mph
Potential for wind 74 to 110 mph
Potential for wind 58 to 73 mph
Potential for wind 39 to 57 mph
Wind less than 39 mph

## Potential Impacts of Strong Winds



**Hurricane force winds expected late Thursday afternoon through Thursday night for locations along and west of the I-75 corridor**

**Tropical Storm force winds are expected for the rest of northeast and north central FL, possible for the rest of southeast GA**



**Downed trees and powerlines, significant power outages and damage to structures and mobile homes likely in the Suwannee Valley and portions of inland southeast GA**

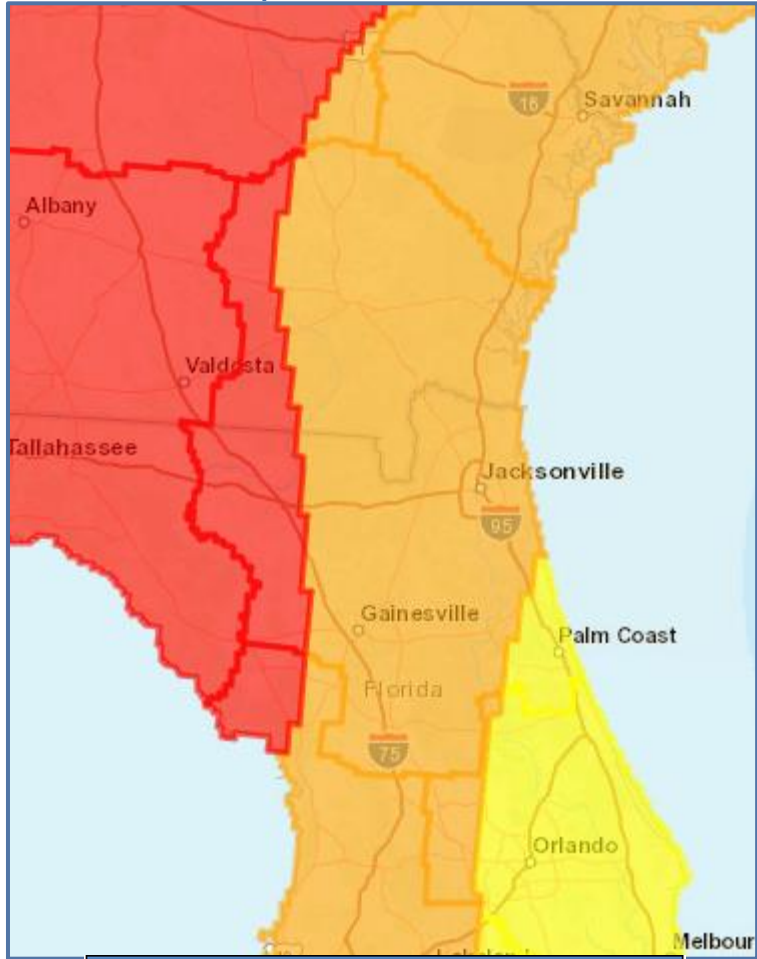
**Given saturated ground conditions, Tropical Storm force winds will cause trees to topple**

**Periods of wind gusts over 40 mph expected on high profile bridges along the I-95 and I-10 corridors on Thursday and Thursday Night**



# Inland Flooding Potential

Tropical Storm Helene



Flooding Rain Threat
Potential for extreme flooding rain
Potential for major flooding rain
Potential for moderate flooding rain
Potential for localized flooding rain
Little to no potential for flooding rain

## Potential Impacts of Moderate to Major Flooding Rain:



**Flood Watch in effect for all of southeast GA, northeast and north central FL**

Initial outer rain bands will move across our area on This Afternoon and Evening

Flash Flood Watch includes all of southeast GA, northeast and north central FL

Potential rainfall totals through early Friday of 3 to 6 inches, with locally higher amounts possible

Heavy rainfall and saturated grounds will enhance the potential for flash, urban, and river flooding



Rivers and tributaries may rapidly overflow their banks. Small streams, creeks, canals, and ditches may become dangerous rivers.

Driving conditions could become hazardous on Thursday and Thursday night with heavy rainfall and potentially flooded roads

Flood waters can enter many structures within multiple communities, some structures becoming uninhabitable or washed away

# Tidal Flooding Continues



Tides



## Key Messages

- Minor Flooding within the St. Johns River Basin
- Flooding likely to worsen on Thursday afternoon due to influence from Tropical Storm Helene
- Impacts include: tidal flooding of low-lying areas that includes docks, boat ramps, parking lots and some roads



## Actions

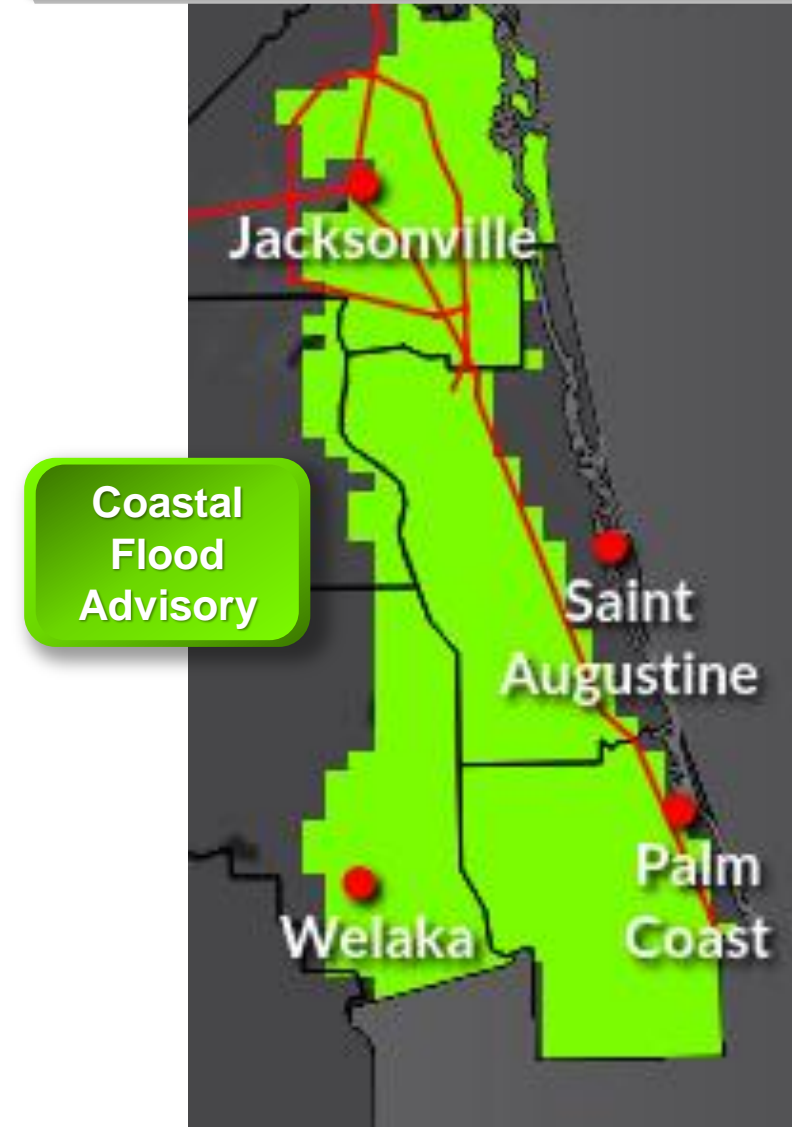
- Never venture into floodwaters – find an alternate route
- Secure vulnerable property



## Timing

- Around times of high tide through Tonight

High Tide Times: <https://www.weather.gov/jax/marineTides>



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