



NOAA



2025 Tropical Program

*Seasonal Changes and
Product Overview*

NWS Charleston

weather.gov/chs





Agenda

01

Recap of the 2024 Season

Deep dive into the some of the Record Storms and Observed Trends

What to Expect in the 2025 Season

Seasonal Outlook and Big Changes This Year

02

03

National Hurricane Center (NHC) Products

Overview of the NHC Products and What They Mean

Our Local Tropical Products

Review of our Local Products and Where to Find Them

04



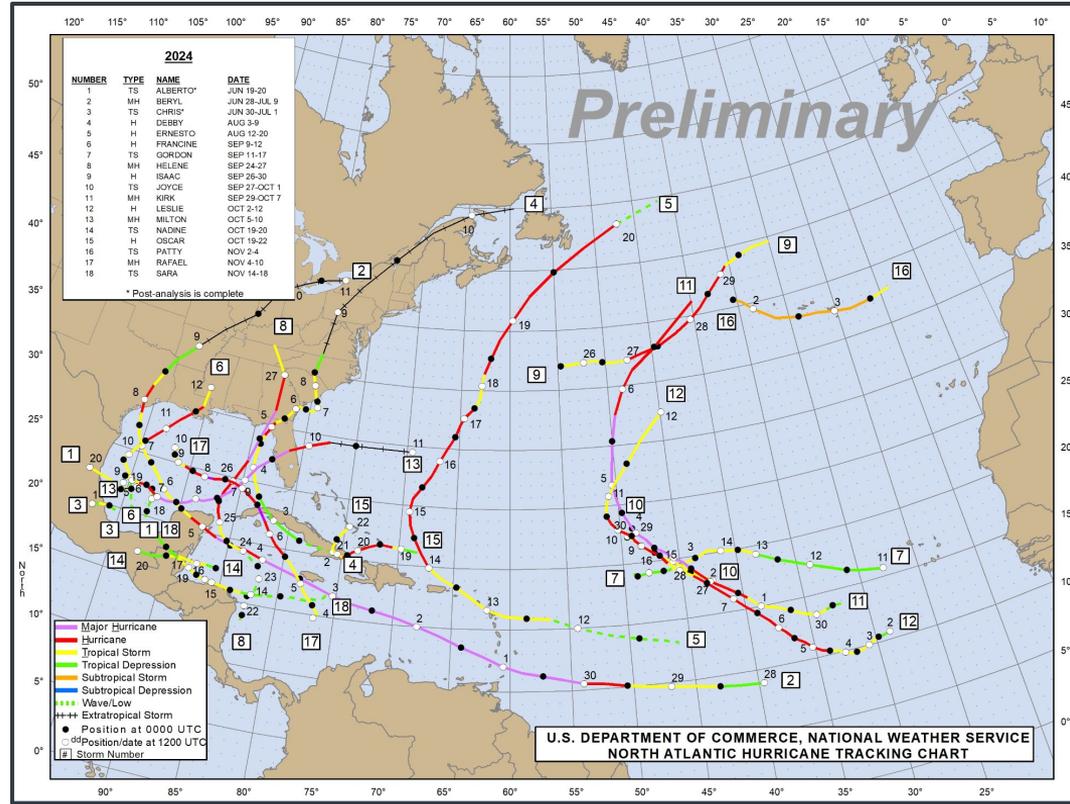


Recap of 2024 Atlantic Tropical Season

2024	Average 1991-2020
18 Named Storms	14 +4 ↑
11 Hurricanes	7 +4 ↑
5 Major (CAT 3+)	3 +2 ↑

U.S. Landfalls

- **5** Hurricanes
(Avg. 1-2/year)
- **2** Major (Helene, Milton)
(Avg. 1 every 2 years)



References: NHC 2024 Atlantic Season Summary Reports





Recap of 2024 Atlantic Tropical Season

Some 2024 Records [\(NOAA Nov. 2024 Report\)](#)

Beryl: CAT 1 Landfall Matagorda, TX; **Earliest Atlantic Basin CAT 5 on Record**

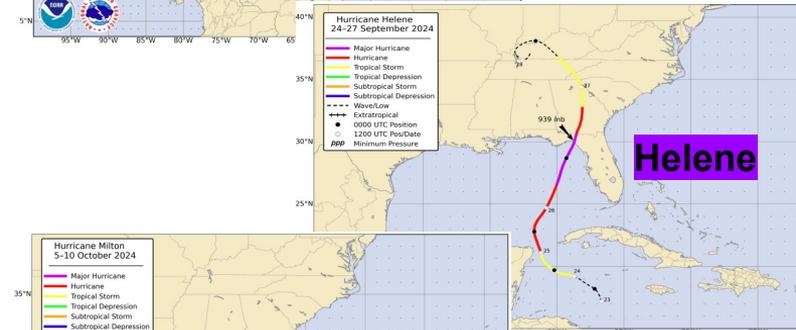
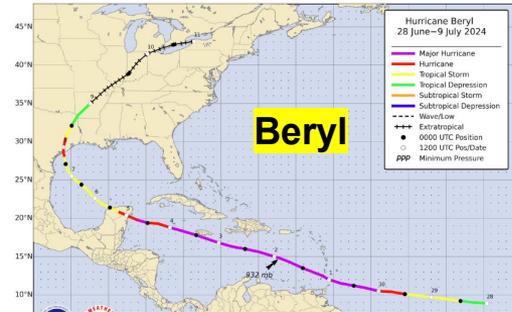
Impacts: Significant Storm Surge Flooding Parts of TX and LA

Helene: CAT 4 Landfall FL Gulf Coast; **Deadliest in U.S. (152 direct) since Katrina in 2005!**

Impacts: Catastrophic Flooding S. Appalachians, Widespread Wind Damage Gulf Coast to NC Mountains, Storm Surge W. FL

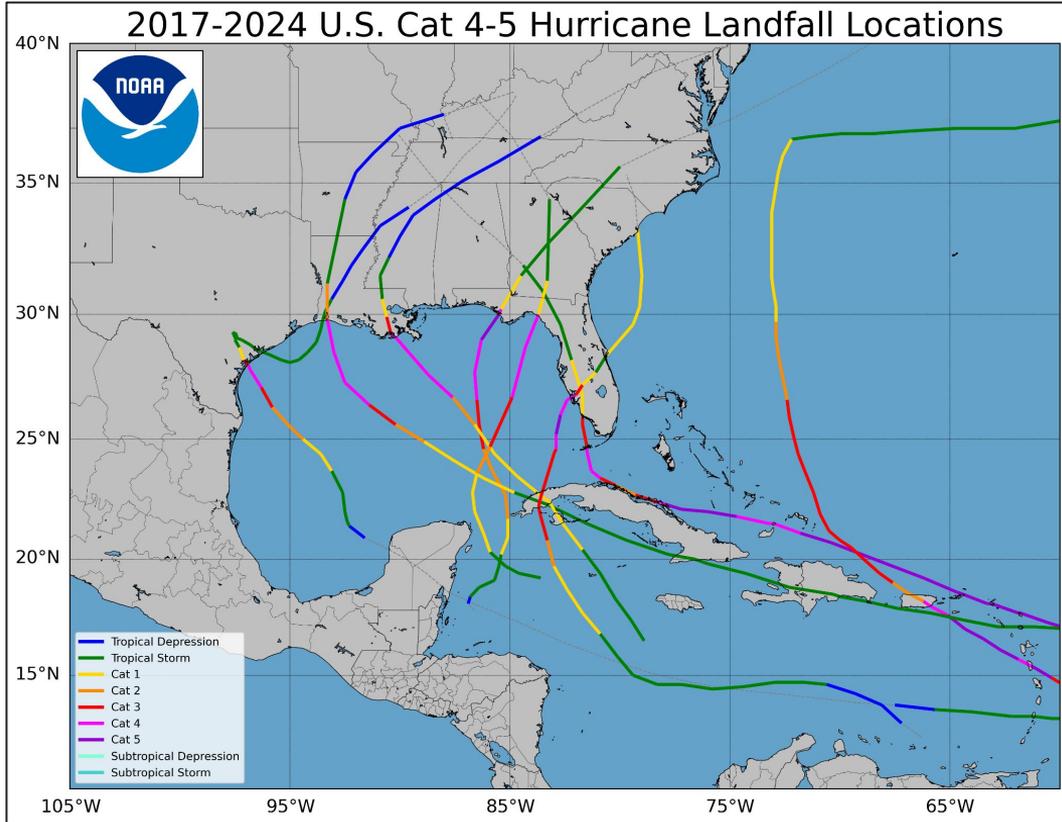
Milton: CAT 3 Landfall, Siesta Key, FL. **90 mph Wind Increase in 24 hrs ! (Rapid Intensification)**

Impacts: 64 Tornadoes (outbreak), 10-15"+ Rainfall, Destructive FL Storm Surge





Recent Trends in Tropical Cyclone Landfalls (2017-2024)



- **25 U.S. Hurricane Landfalls (11 Major)**
- **8 CAT 4 or 5 U.S. Landfalls Since 2017!**
- **600+ Direct Fatalities and ~ 500 Indirect**
(Excluding Maria) in U.S.
- **As Many CAT 4-5 U.S. Hurricane Landfalls Since 2017 (7 years) as from 1960 - 2016! (56 years)**
 - 2017-2024: Avg. 1/Year
 - 1960-2016: Avg. 1/7 Years





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2025 Atlantic Tropical Cyclone Names

~~Andrea~~
Barry
Chantal
Dexter
Erin
Fernand
Gabrielle

Humberto
Imelda
Jerry
Karen
Lorenzo
Melissa
Nestor

Olga
Pablo
Rebekah
Sebastien
Tanya
Van
Wendy

Names provided by the World Meteorological Organization



Retired Names from 2024

Four Names Retired Last Year:

1. **Helene**
2. **Beryl**
3. **Milton**
4. **John** (*Pacific Storm*)

What Does Storm Retirement Mean?

Hurricanes that have severe impact on lives, or the economy are remembered by generations after the devastation they caused, and some go into weather history (aka retirement).

Retiring a name means it cannot be reused for at **least 10 years!**



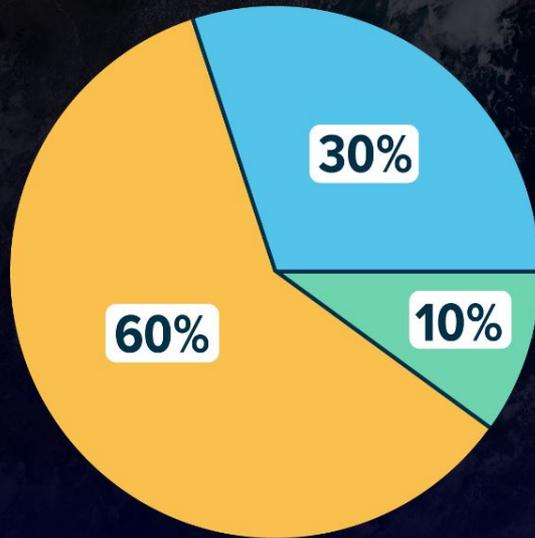
Since 1953, 99 Atlantic Hurricanes have been retired





2025 Atlantic Hurricane Season Outlook

Season Probability



Above Normal **Near Normal** **Below Normal**

Averages

14

7

3

Named Storms

13 - 19

Hurricanes

6 - 10

Major Hurricanes

3 - 5



Atlantic Season Preparedness



Tropical Season Forecast Should
NOT Govern YOUR Preparation!!

It Only Takes **ONE STORM** to be a "Bad Year"

Start Your Preparations NOW!

How Should You Prepare?

-  Develop an Evacuation Plan

-  Assemble Disaster Supplies: Food, Water, Batteries, Charger, Radio, Cash, etc.

-  Get an Insurance "Checkup" and Document Your Possessions

-  Create a Communication Plan with a Handwritten List of Contacts

-  Strengthen Your Home \$\$





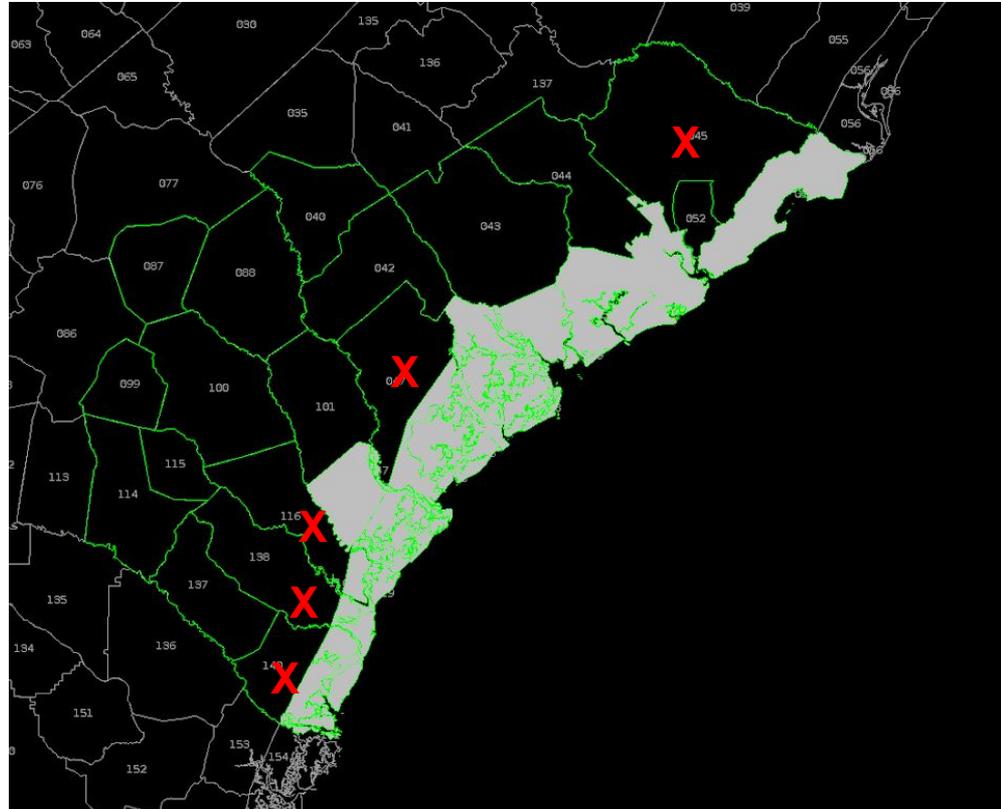
2025 Tropical Program Updates

Our Local Office Changes

These Zones (X) Now Disassociated with the Breakpoint Coastal Zone Affiliations (i.e., NHC Watch/Warnings)

CHS Now “Controls” These Zones

- Inland McIntosh County, GA
- Inland Liberty County, GA
- Inland Bryan County, GA
- Inland Jasper County, SC
- Berkeley County, SC





Overview of Changes for the 2025 Hurricane Season



01

Can Issue **Potential Tropical Cyclones (PTCs) Advisories** up to **72 Hours** Before the **Impacts** (*prev. 48 hours*)



02

Extension of NHC/CPHC Hurricane Force Wind Radii Forecasts to **72 hours** (*prev. 48 hours*)



03

Cone Graphics with Coastal and Inland U.S. Tropical Wind Watches/Warnings Continues ***Experimentally*** in 2025



04

Separate Top 10 Wind and Wind Gusts in the PSH Observational Data Summary





Advisory Products for Potential Tropical Cyclones (PTCs)



****New for 2025****

PTCs Advisories Can Now Be Issued up to 72 hours in Advance of Storm Surge or Tropical Storm Force Winds Reaching Land (*Previously 48 hours in advance*)

What is a PTC?

A disturbance not yet a tropical cyclone (*tropical depression, tropical storm, or hurricane*), but high confidence it will bring tropical cyclone impacts (*wind and/or storm surge*) to land





Advisory Products for Potential Tropical Cyclones (PTCs)

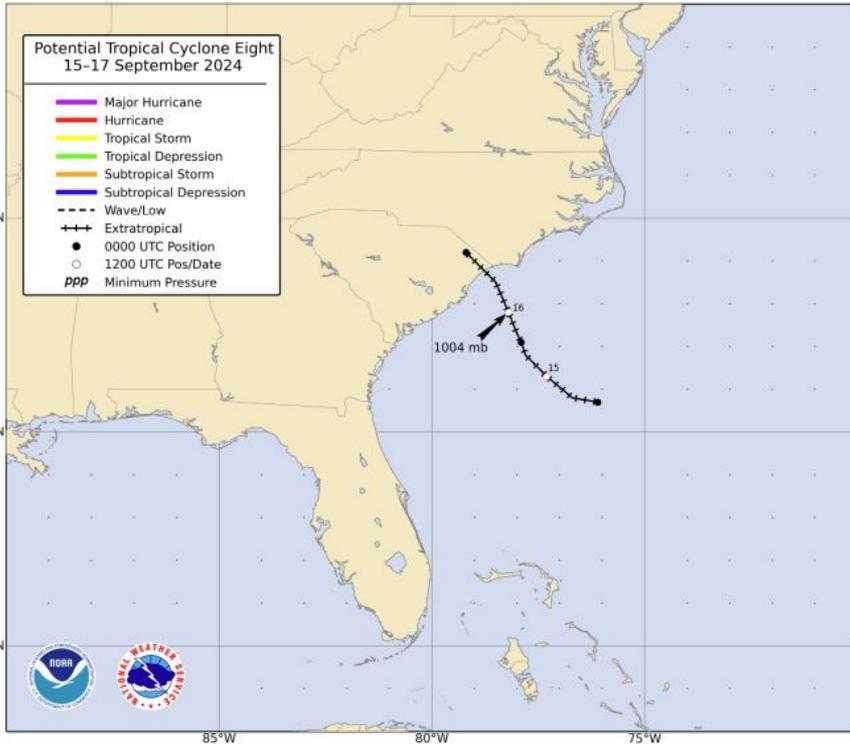


Figure 1. Best track positions for Potential Tropical Cyclone Eight, 15-17 September 2024.

Let's talk about PTC #8 last year...

An extratropical low formed along a front offshore of the Carolinas during the second week of September that could've **POTENTIALLY** formed into a Tropical Storm and/or Hurricane.

What Happened?

Nothing formed.

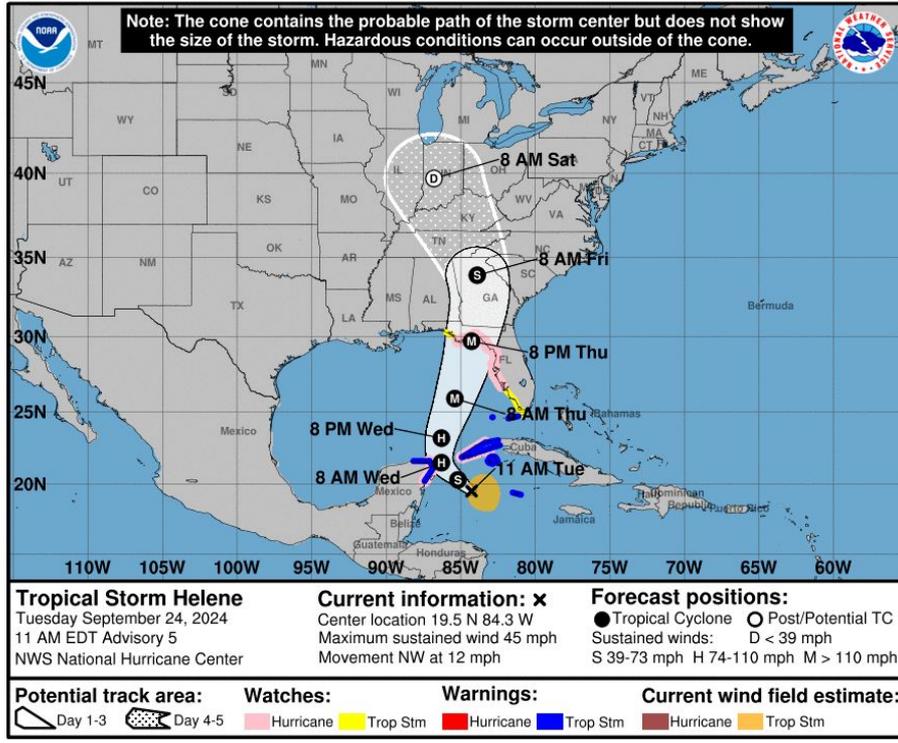
What does this mean for this year?

Bottom Line: You could see MORE systems similar to PCT #8 this year as the products are now issued up to 72 hours in advance.





Advisory Products for Potential Tropical Cyclones (PTCs)



The next system of 2024 season was **PTC #9**

NHC started **PTC #9** on Sep. 23 at 11 AM while the system was located west of Jamaica in the Caribbean Sea. This became **Tropical Storm Helene** one day later!

What Happened?

Major Hurricane Helene made landfall at the Florida Panhandle the evening of Sep. 26. With significant impacts across the SE U.S.

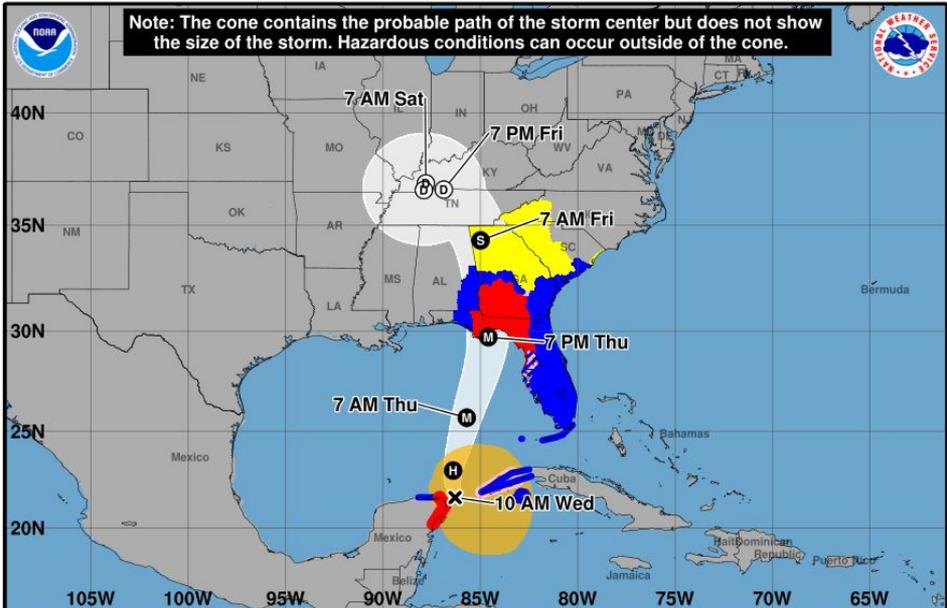
What does this mean for this year?

Bottom Line: The use of PTC provided notice a day earlier for Helene. Beginning this season, PTC advisories can be issued up to 72 hours in advance.





Cone Graphic with Inland Tropical Wind Watches/Warnings



Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.

Hurricane Helene Wednesday September 25, 2024 10 AM CDT Advisory 9 NWS National Hurricane Center	Current information: X Center location 21.6 N 86.3 W Maximum sustained wind 80 mph Movement NNW at 10 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 Watch Tropical Storm Watch Hurricane Watch & Tropical Storm Warning	Warnings: Hurricane Warning Tropical Storm Warning
Current wind field estimate: Hurricane Tropical Storm		

This Graphic Remains **Experimental** for 2025 Hurricane Season

Legended Update - Includes Color/Pattern for Area(s) with BOTH Tropical Storm Warning AND Hurricane Watch (*Based on Feedback*)

Conveys Wind Hazard Risk Over Land

Graphic May be Delayed Due to Time Needed to Compile Complete Inland Watch/Warning Information

Available at: [Hurricanes.gov](https://hurricanes.gov) with the Current/Operational Version of the Cone Graphic

**** New ****



2025 Version



Extension of NHC Hurricane Force Wind Radii to 72 Hours

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HURRICANE LEE FORECAST/ADVISORY NUMBER 22
NWS NATIONAL HURRICANE CENTER MIAMI FL AL132023
2100 UTC SUN SEP 10 2023

HURRICANE CENTER LOCATED NEAR 22.1N 61.7W AT 10/2100Z
POSITION ACCURATE WITHIN 15 NM

PRESENT MOVEMENT TOWARD THE WEST-NORTHWEST OR 300 DEGREES AT 7 KT

ESTIMATED MINIMUM CENTRAL PRESSURE 954 MB
EYE DIAMETER 20 NM
MAX SUSTAINED WINDS 105 KT WITH GUSTS TO 120 KT.
64 KT..... 40NE 35SE 30SW 40NW.
50 KT..... 90NE 70SE 50SW 80NW.
34 KT.....150NE 140SE 100SW 140NW.
4 M SEAS...300NE 180SE 240SW 300NW.
WINDS AND SEAS VARY GREATLY IN EACH QUADRANT. RADII IN NAUTICAL
MILES ARE THE LARGEST RADII EXPECTED ANYWHERE IN THAT QUADRANT.

REPEAT...CENTER LOCATED NEAR 22.1N 61.7W AT 10/2100Z
AT 10/1800Z CENTER WAS LOCATED NEAR 21.9N 61.4W

FORECAST VALID 11/0600Z 22.7N 62.7W
MAX WIND 115 KT...GUSTS 140 KT.
64 KT... 50NE 40SE 35SW 50NW.
50 KT... 90NE 80SE 50SW 80NW.
34 KT...150NE 140SE 100SW 140NW.

FORECAST VALID 11/1800Z 23.3N 63.9W
MAX WIND 120 KT...GUSTS 145 KT.
64 KT... 50NE 50SE 35SW 50NW.
50 KT... 90NE 80SE 60SW 80NW.
34 KT...150NE 150SE 130SW 140NW.

FORECAST VALID 12/0600Z 23.8N 65.1W
MAX WIND 120 KT...GUSTS 145 KT.
64 KT... 60NE 60SE 40SW 60NW.
50 KT... 90NE 90SE 70SW 80NW.
34 KT...150NE 150SE 120SW 140NW.

FORECAST VALID 12/1800Z 24.2N 66.2W
MAX WIND 115 KT...GUSTS 140 KT.
64 KT... 60NE 50SE 40SW 60NW.
50 KT... 90NE 90SE 70SW 80NW.
34 KT...160NE 160SE 120SW 160NW.

FORECAST VALID 13/0600Z 24.7N 67.0W
MAX WIND 105 KT...GUSTS 130 KT.
64 KT... 60NE 50SE 40SW 60NW.
50 KT...100NE 100SE 80SW 80NW.
34 KT...170NE 170SE 130SW 160NW.

FORECAST VALID 13/1800Z 25.6N 67.6W
MAX WIND 100 KT...GUSTS 120 KT.
64 KT... 60NE 50SE 40SW 60NW.
50 KT...100NE 90SE 80SW 90NW.
34 KT...180NE 180SE 140SW 180NW.

EXTENDED OUTLOOK. NOTE...ERRORS FOR TRACK HAVE AVERAGED NEAR 125 NM
ON DAY 4 AND 175 NM ON DAY 5...AND FOR INTENSITY NEAR 15 KT EACH DAY

OUTLOOK VALID 14/1800Z 28.9N 68.0W
MAX WIND 90 KT...GUSTS 110 KT.
50 KT...110NE 100SE 90SW 100NW.
34 KT...200NE 200SE 160SW 200NW.

OUTLOOK VALID 15/1800Z 33.6N 67.4W
MAX WIND 80 KT...GUSTS 100 KT.
50 KT...120NE 100SE 90SW 90NW.
34 KT...230NE 200SE 160SW 200NW.

```

60 hrs

72 hrs

NHC and CPHC Now Issue Hurricane Force (64-kt/74 mph) Wind Radii Forecasts out to 72 hours (Previously through 48 hours)

Data Available in the:

- Tropical Cyclone Forecast Advisory (TCM) Text Product (left) at hurricanes.gov
- GIS Based Wind Radii Forecast Data at hurricanes.gov/gis

FORECAST VALID 13/0600Z 24.7N 67.0W
 MAX WIND 105 KT...GUSTS 130 KT.
64 KT... 60NE 50SE 40SW 50NW.
 50 KT...100NE 100SE 80SW 80NW.
 34 KT...170NE 170SE 130SW 160NW.

FORECAST VALID 13/1800Z 25.6N 67.6W
 MAX WIND 100 KT...GUSTS 120 KT.
64 KT... 60NE 50SE 40SW 50NW.
 50 KT...100NE 90SE 80SW 90NW.
 34 KT...180NE 180SE 140SW 180NW.





Post Tropical Cyclone Report (PSH) Wind Gusts

**** New ** 2025 Version of PSH**

Previous Version of PSH Data Summary Included a Single list of Combined Highest Sustained Winds/Gusts

Highest 10 Land Winds (kts)*

Station	State	Type	Sustained	Gust
Dulac	LA	WxFlow	87	120
Laplace	LA	PWS	86	
1 NW Killona	LA	TTU Sticknet	70	96
Bourg	LA	PWS	70	
1 N Live Oak	LA	TTU Sticknet	64	86
Mandeville	LA	WxFlow	63	96
Waggaman	LA	WxFlow	63	80
4.7 S Vacherie	LA	TTU Sticknet	61	77
2 E Raceland	LA	TTU Sticknet	60	83
7.8 SE Violet	LA	TTU Sticknet	60	79

* Anemometer heights < 20 m

Highest 10 Land Winds (kts)*			
Station	State	Type	Sustained
Dulac	LA	WxFlow	87
Laplace	LA	PWS	86
1 NW Killona	LA	TTU Sticknet	70
Bourg	LA	PWS	70
1 N Live Oak	LA	TTU Sticknet	64
Mandeville	LA	WxFlow	63
Waggaman	LA	WxFlow	63
4.7 S Vacherie	LA	TTU Sticknet	61
2 E Raceland	LA	TTU Sticknet	60
7.8 SE Violet	LA	TTU Sticknet	60

* Anemometer heights < 20 m

Highest 10 Land Gusts (kts)*			
Station	State	Type	Gust
Dulac	LA	WxFlow	120
New Orleans	LA	PWS	98
1 NW Killona	LA	TTU Sticknet	96
Mandeville	LA	WxFlow	96
2 NE Port Fourchon	LA	PWS	89
1 N Live Oak	LA	TTU Sticknet	86
2 E Raceland	LA	TTU Sticknet	83
Lakefront Airport	LA	WxFlow	82
Waggaman	LA	WxFlow	80
7.8 SE Violet	LA	TTU Sticknet	79

* Anemometer heights < 20 m

Top 10 Wind/Wind Gusts Now Separated into Two Different Tables in the PSH Data Summary





Track Forecast/Cone Graphic

Update for the 2025 Season

Forecast Cone 3 to 5% Smaller

(Improved Skill) for 2025 vs 2024

Note: Improvement in Parentheses (nm: percent)

2025 Track Forecast Cone Two-Thirds Probability Circles (n mi)		
Forecast Period (h)	Atlantic Basin	Eastern North Pacific Basin
3	16 (0: 0%)	16 (0: 0%)
12	26 (0: 0%)	26 (0: 0%)
24	39 (-2: -5%)	38 (-1: -3%)
36	52 (-3: -5%)	50 (-3: -6%)
48	67 (-3: -4%)	59 (-6: -9%)
60	83 (-5: -6%)	71 (-5: -7%)
72	100 (-2: -2%)	83 (-9: -10%)
96	142 (-9: -6%)	113 (-6: -5%)
120	213 (-7: -3%)	146 (-6: -4%)

CAUTION: Cone Does NOT Represent Uncertainty of Current Storm!

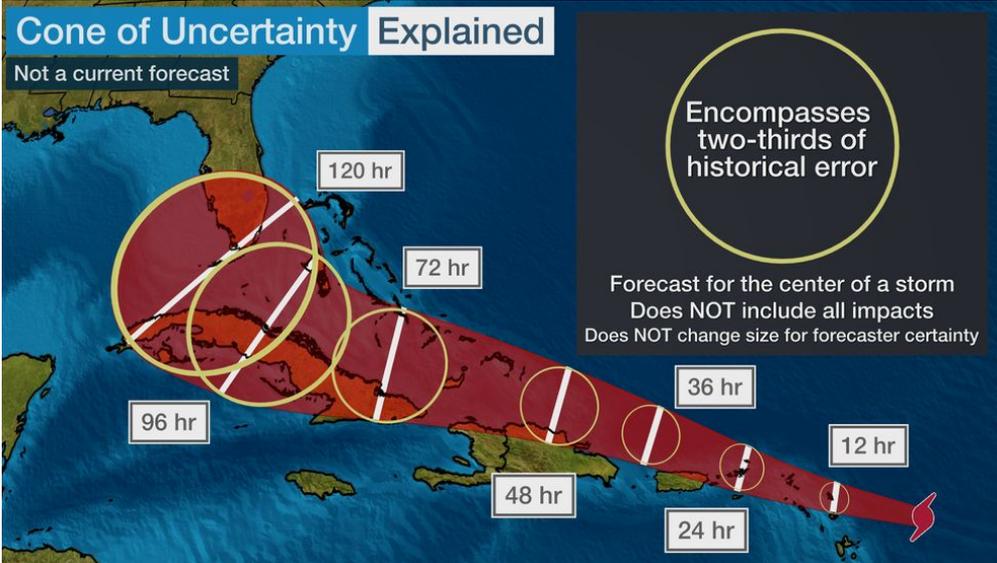


Image courtesy of Lealman Exchange





Track Forecast/Cone Graphic

What is the "cone of uncertainty" and how is it determined?

Conveys Most **LIKELY TRACK** of the Center of the Storm

Does **NOT** Convey Impact Area!

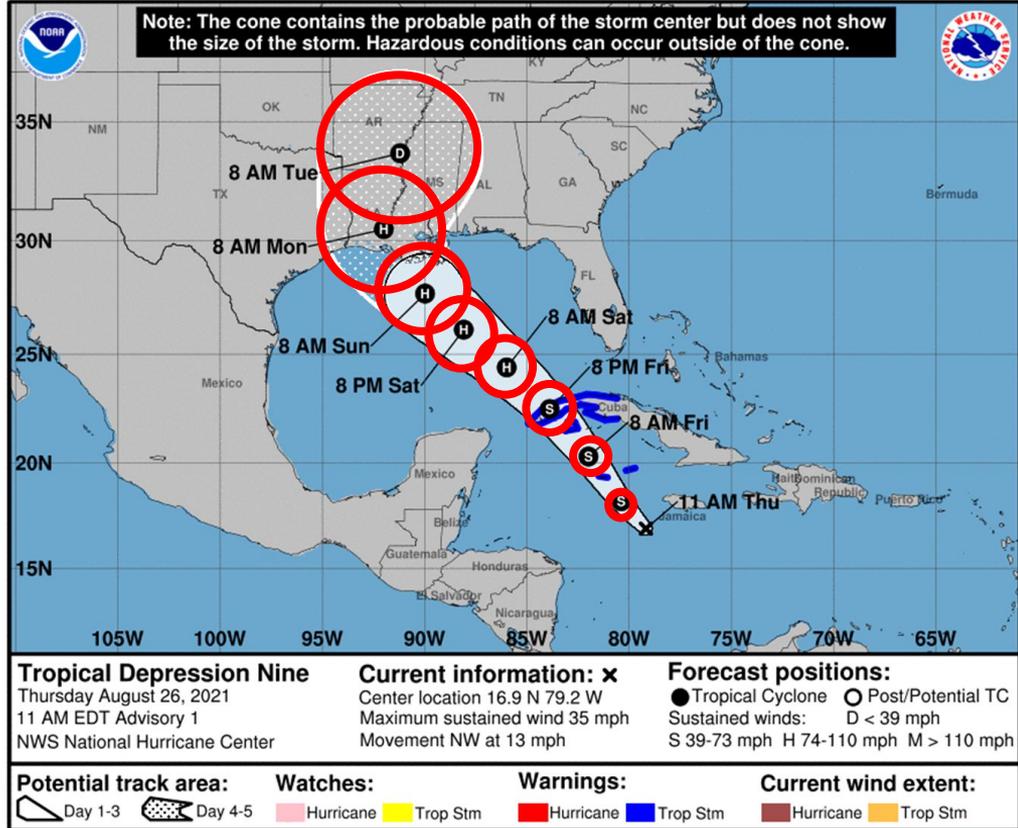
Storm Remains in Cone $\frac{2}{3}$ of the Time

Cone Constructed from Forecast Errors Over Past 5 Years

Cone Size Does **NOT** Change Through the Season



Information about the NHC cone and reminders





Track Forecast/Cone Graphic

An Overview of the Cone



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

National Weather Service
Charleston, SC



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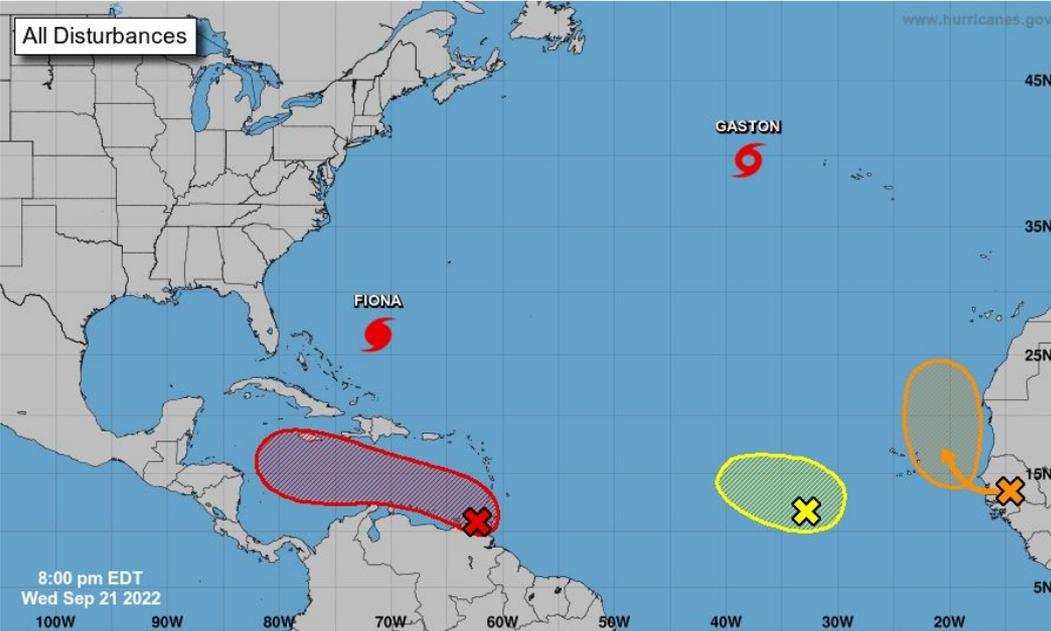




Tropical Weather Outlook (TWO)



Five-Day Graphical Tropical Weather Outlook
National Hurricane Center Miami, Florida



Probabilities of Tropical Cyclone Formation Next 48 hours, and 7 Days

Hatched Areas are Formation Areas NOT Tracks

Issued Routinely 15 May - 30 Nov. (E. North Pacific & Atlantic Basins)

Issuance Times (every 6 hours):

00z/8PM, 06z/2AM, 12z/8AM, 18z/2PM



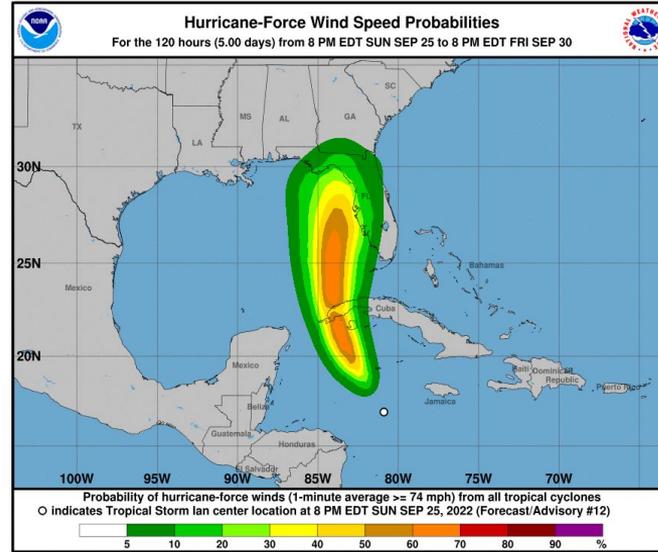


Wind Speed Probability Graphics

Tropical Storm/Strong Storm Force



Hurricane Force



5 Day Cumulative Probability of Tropical Storm Force/Strong (39/58 mph), or Hurricane Force Winds (74 mph) for a Specific Location

Accounts for Typical Track, Intensity, and Size Errors





Wind Speed Probability Graphics

Based on 1,000 Realistic Alternative Scenarios Using:

- Official NHC Track & Intensity Forecast
- Historical NHC Track and intensity Forecast Errors
- Climatology and Persistence Wind Radii Model

Model Spread = Track Uncertainty

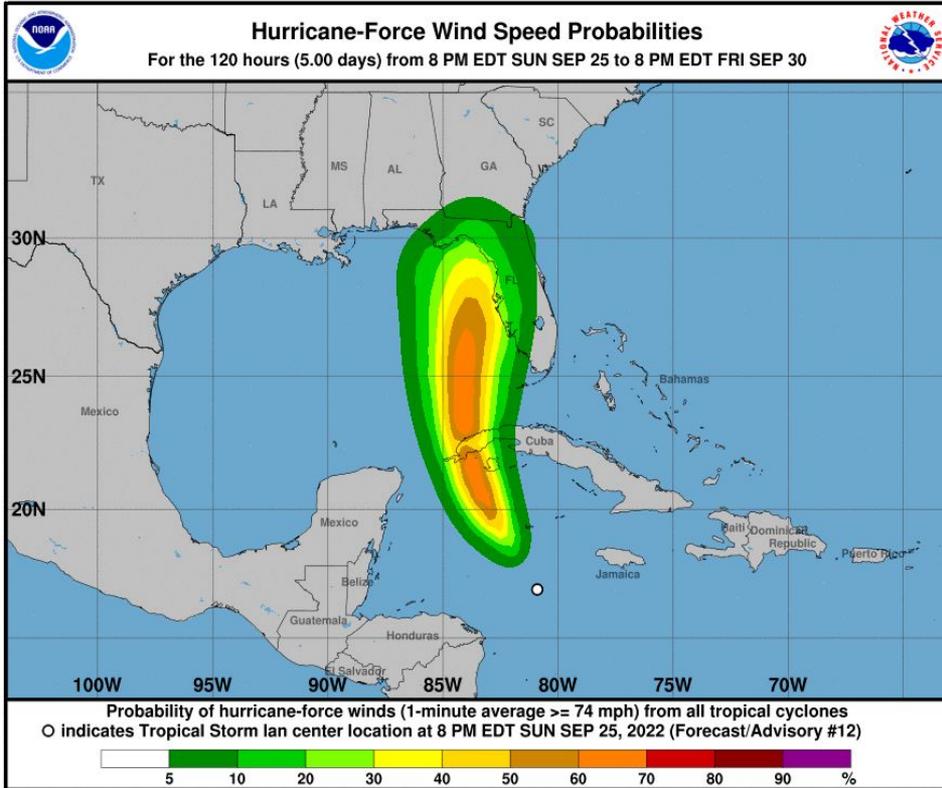




Wind Speed Probability Graphics

So What?

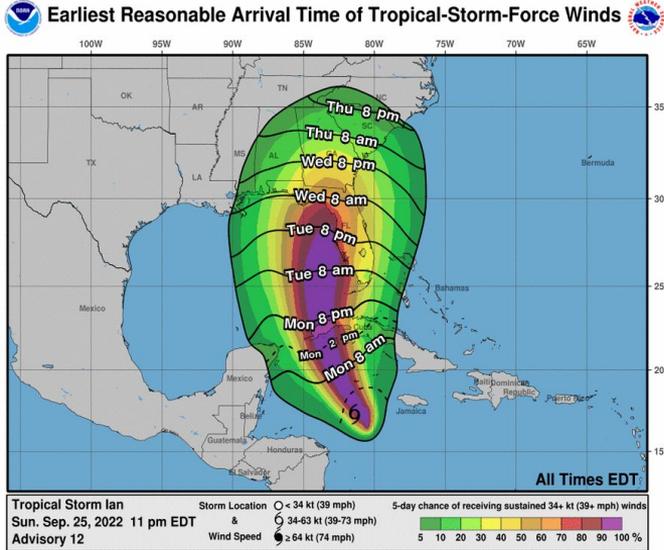
- Watch for Trends in Probabilities
(Increasing +/Decreasing -)
- Low Probability → High Impact
- Hurricane Force Winds VERY Rare for Any One Location for ANY Given Time





Tropical Storm Force Wind Speed Time of Arrival Graphics

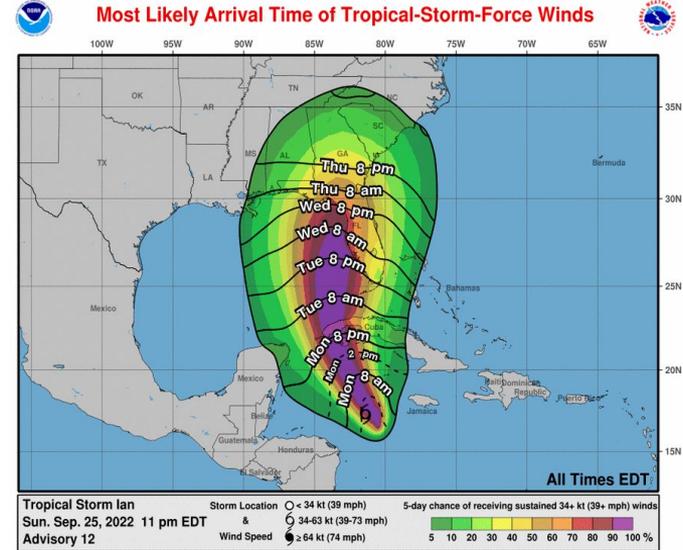
Earliest Reasonable



1 in 10 Chance of Tropical Storm Force Winds Arriving Earlier than Time Listed

Best for Low Risk Tolerance

Most Likely



Equal Chances of Tropical Storm Force Winds Arriving Before/After Time Listed

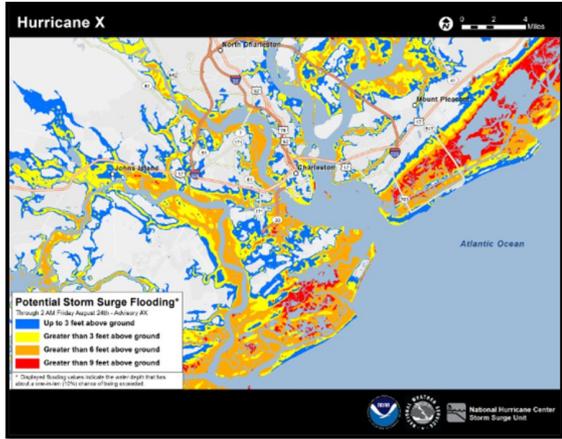
Complete Preparations by this Time





Storm Surge Products

Potential Storm Surge Flooding Map

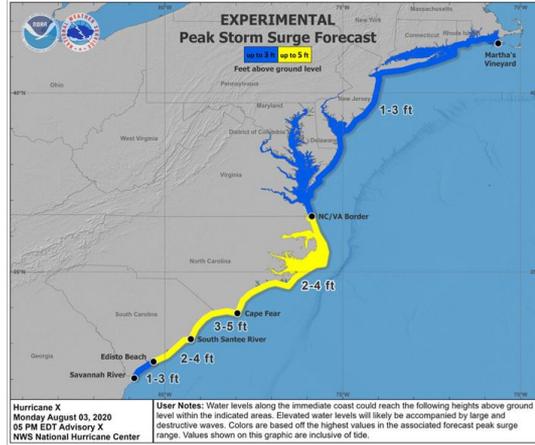


Reasonable Worst Case Scenario
(Prepare For)

10% Chance Storm Surge will be Greater than Shown

Includes High Tide, NOT Rainfall

Peak Storm Surge Forecast



Peak Inundation *(Water Above Normally Dry Ground)*

Only Valid Along the Immediate coast *(NOT Inland Extent!)*

Storm Surge Watch/Warning



Storm Surge *Watch*

Life-Threatening Inundation Possible within 48 hours

Storm Surge *Warning*

Life-Threatening Inundation Likely within 36 hours





Storm Surge Forecast Details

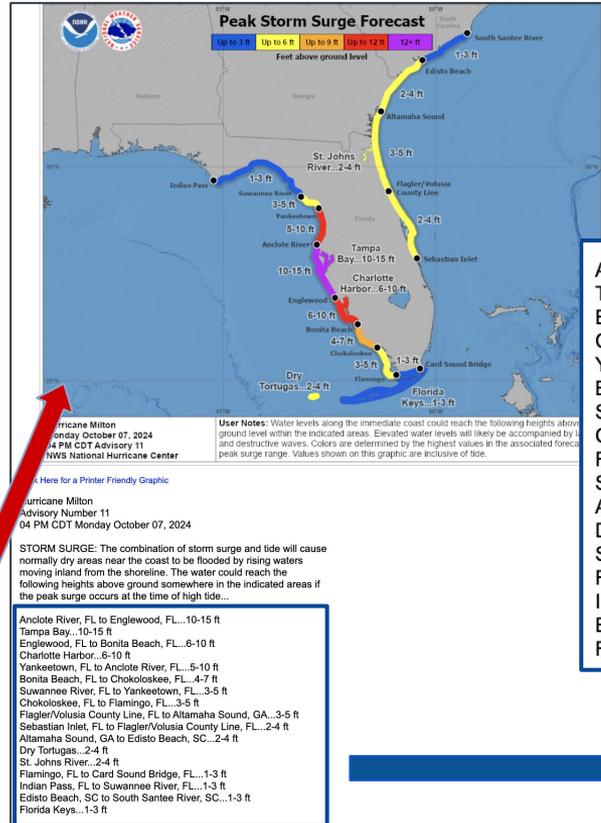
Public Advisory Focuses on **Most Significant/Impactful Storm Surge Values**

Additional Info Provided via [link/graphic](#)

Public Advisory

Anclote River, FL to Englewood, FL...10-15 ft
 Tampa Bay...10-15 ft
 Englewood, FL to Bonita Beach, FL...6-10 ft
 Charlotte Harbor...6-10 ft
 Yankeetown, FL to Anclote River, FL...5-10 ft
 Bonita Beach, FL to Chokoloskee, FL...4-7 ft
 Suwannee River, FL to Yankeetown, FL...3-5 ft
 Chokoloskee, FL to Flamingo, FL...3-5 ft
 <truncated>

For a complete depiction of areas at risk of storm surge inundation, please see the National Weather Service Peak Storm Surge Graphic, available at hurricanes.gov/graphics_at4.shtml?peakSurge.

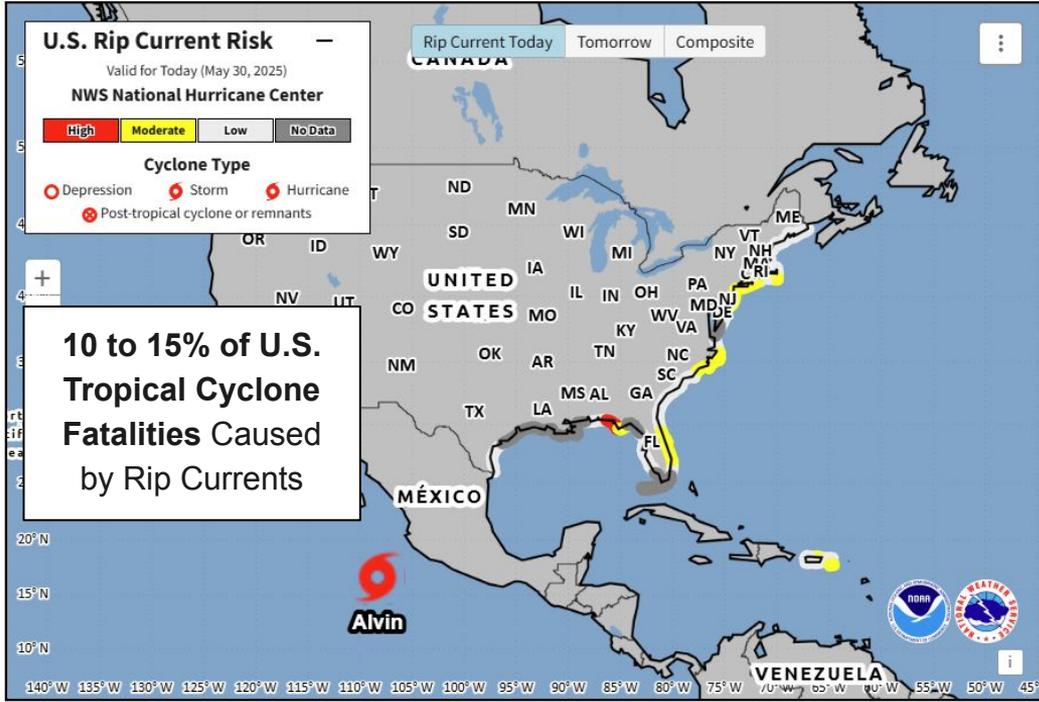


Anclote River, FL to Englewood, FL...10-15 ft
 Tampa Bay...10-15 ft
 Englewood, FL to Bonita Beach, FL...6-10 ft
 Charlotte Harbor...6-10 ft
 Yankeetown, FL to Anclote River, FL...5-10 ft
 Bonita Beach, FL to Chokoloskee, FL...4-7 ft
 Suwannee River, FL to Yankeetown, FL...3-5 ft
 Chokoloskee, FL to Flamingo, FL...3-5 ft
 Flagler/Volusia County Line, FL to Altamaha Sound, GA...3-5 ft
 Sebastian Inlet, FL to Flagler/Volusia County Line, FL...2-4 ft
 Altamaha Sound, GA to Edisto Beach, SC...2-4 ft
 Dry Tortugas...2-4 ft
 St. Johns River...2-4 ft
 Flamingo, FL to Card Sound Bridge, FL...1-3 ft
 Indian Pass, FL to Suwannee River, FL...1-3 ft
 Edisto Beach, SC to South Santee River, SC...1-3 ft
 Florida Keys...1-3 ft





Rip Current Risk Interactive Map - **NEW**



Rip Current Map Available When at Least One Tropical Cyclone Present

Distant Hurricanes Can Be Deadly

- Hurricanes that are far away can still create deadly rip currents and waves.
- Never assume that the ocean is safe, even if the weather is nice.
- For maximum safety, swim near a lifeguard.
- Check the forecast before you go: [weather.gov/beach](https://www.weather.gov/beach)

Note: Rip current risk information displayed on the viewer may not always be associated with an active tropical cyclone. However, beachgoers should be careful at all times when the rip current risk is elevated, regardless of the presence of an active tropical cyclone.



Key Messages Graphics

→ NHC Produces *Key Message Graphics* for Potentially High Impact Events

◆ **NOTE:** May NOT Always Include YOUR Area

→ Contains Important Messaging Points for Emergency Managers, Media, and the Public

→ Available on NHC's website and Social Media Accounts (hurricanes.gov)



Key Messages for Hurricane Henri Advisory 23: 11:00 AM EDT Sat Aug 21, 2021



1. Dangerous storm surge inundation is expected to begin late tonight or Sunday in portions of Long Island, Connecticut, Rhode Island, and southeastern Massachusetts, where a Storm Surge Warning has been issued. Dangerous storm surge is possible beginning late tonight or Sunday in western portions of Long Island and Connecticut in the Storm Surge Watch area. Residents in these areas should follow any advice given by local officials.

2. Hurricane conditions are expected to begin late tonight or Sunday in portions of Long Island, Connecticut, and Rhode Island, where a Hurricane Warning is in effect. Tropical storm conditions will begin in these areas tonight.

3. Heavy rainfall may lead to considerable flash, urban, and small stream flooding, along with the potential for widespread minor and isolated moderate river flooding, over portions of Long Island, New England, southeast New York and northern New Jersey.

4. Swells from Henri will continue to affect much of the east coast of the U.S. during the next day or two. These swells could cause life-threatening surf and rip currents.



For more information go to hurricanes.gov





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Local Tropical Products

Hurricane Local Statement (HLS)

- **Overview of the Situation** - Produced by Local Forecasters
- Highlights Greatest Potential Impacts for the ENTIRE Forecast Area

Local Watch Warning Statement (TCV)

- **Specific Wind, Surge, Flooding Rain, Tornado Info** for each Zone (*Meant to be parsed by computer*)
- Includes Tropical Storm/Hurricane/Storm Surge Watches/Warnings

Hurricane Threat and Impact (HTI) Graphics

- **Depicts What You Should Plan** for in Regards to Wind, Surge, Flooding Rain, Tornadoes
- Considered the **“Reasonable Worst Case Scenario”**
- Based on Forecast Data from NHC, SPC and WPC





Where to Find the TCV and HLS

1

From Our Local Homepage (weather.gov/chs) -> Click Location on Map

2

Links to TCV and HLS will be at the Top of Page

Click a location below for detailed forecast.

[Watches, Warnings & Advisories](#)

[Flood Warning](#)

[Special Weather Statement](#)

[Hazardous Weather Outlook](#)

Last Map Update: Fri, May 16, 2025 at 12:56:19 pm EDT

[Hazardous Weather Outlook](#)

[Hurricane Local Statement](#)

[Tropical Storm Warning in effect from July 31, 11:13 AM EDT](#)

Current conditions at Hollywood, North Perry Airport (KHWO)
Lat 26°N Lon 80.24°W Elev: 7ft

A Few Clouds
92°F
33°C

Humidity 60%
Wind Speed E 13 mph
Barometer 30.03 in (1016.8 mb)
Dewpoint 76°F (24°C)
Visibility 10.00 mi
Heat Index 105°F (41°C)
Last update 31 Jul 12:53 pm EDT

Extended Forecast for 2 Miles NE Weston FL

1 Click here for hazard details and duration

1 Tropical Storm Warning until further notice

Now	This Afternoon	Tonight	Saturday	Saturday Night	Sunday	Sunday Night	Monday	Monday Night
1 Tropical Storm Warning	Slight Chance T-storms	Slight Chance T-storms then Chance Showers	Tropical Storm Conditions Possible	Tropical Storm Conditions Possible	Showers Likely then T-storms Likely	Chance T-storms then Chance Showers	Chance T-storms then T-storms Likely	T-storms Likely
High: 94°F	Low: 78°F	High: 88°F	Low: 77°F	High: 91°F	Low: 78°F	High: 91°F	Low: 78°F	Low: 78°F

Detailed Forecast

Topographic 3
Click Map For Forecast





Our Local Tropical Webpage

Access to Our Local Office Products and Resources

How to Access Info?

- From weather.gov/chs: Forecast Menu → Tropical OR
- Tropical Icon at Bottom of Page
- From [Hurricanes.gov](https://hurricanes.gov): When a WFO is Issuing Tropical Products



“Active Storms” and “Local Products” Tabs Only Available When Advisories are Issued

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local forecast by "City, ST" or ZIP code
Enter location: Go
[Location Help](#)

News Headlines

- [May is South Carolina Hurricane Preparedness Month](#)
- [Headline to the Beach? Learn About Rip Current Hazards and Beach Safety](#)

NWS Charleston, SC - Tropical Weather
[Weather.gov](#) > [Charleston, SC](#) > [NWS Charleston, SC - Tropical Weather](#)

Charleston, SC
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

[NWS Charleston homepage](#)

Outlook Threats and Impacts Local Products Satellite Radar Social Media Preparedness Links

There are currently no active storms in the North Atlantic, Caribbean Sea, or Gulf of America.

Two-Day Graphical Tropical Weather Outlook
National Hurricane Center Miami, Florida

No Disturbances
Tropical cyclone activity is not expected during the next 48 hours.

Seven-Day Graphical Tropical Weather Outlook
National Hurricane Center Miami, Florida

No Disturbances
Tropical cyclone activity is not expected during the next 7 days.

Current Disturbances and Two-Day Cyclone Formation Chance: ☐ < 40% ☐ 40-60% ☐ > 60%
Tropical or Sub-Tropical Cyclone: ☐ Depression ☐ Storm ☐ Hurricane
Post-Tropical Cyclone or Remnant

Product Description

Click each image above to view the full-size image.





Our Local Tropical Webpage

Threats and Impacts Tab

- Map of the Hurricane Threat and Impact (HTI) Graphics When Storm is Active
- Depicts What People Should Prepare for in Terms of Wind, Storm Surge, Inland Flooding, Tornadoes (*Includes Safety Margin*)
- Right Side of Page Shows Forecast from TCV When User Clicks on a Location on the Map on the Left

NWS Miami homepage [Provide Feedback on this Webpage](#)

[Outlook](#) [Active Storms](#) **[Threats and Impacts](#)** [Local Products](#) [Satellite](#) [Radar](#) [Social Media](#) [Preparedness](#) [Links](#)

Hurricane Threats and Impacts Graphics FAQ

Map of Coastal Threats and Potential Impacts - [What's This?](#)

Wind Threat
 Storm Surge Threat
 Flooding Rain Threat
 Tornado Threat

Threat Level - Potential for wind greater than 110 mph

*Structural damage to sturdy buildings, some with complete roof and wall failures. Complete destruction of mobile homes. Damage greatly accentuated by large airborne projectiles.

For: Inland Palm Beach County

...HURRICANE WARNING REMAINS IN EFFECT...

- * LOCATIONS AFFECTED
 - Wellington
 - Lion Country Safari
 - Belle Glade
 - Pahokee
- * WIND
 - LATEST LOCAL FORECAST: Equivalent Tropical Storm force wind
 - Peak Wind Forecast: 45-55 mph with gusts to 90 mph
 - Window for Tropical Storm force winds: early Sunday morning until early Monday morning
- Emergency plans should include a reasonable threat as depicted on the left.
- * FOR MORE INFORMATION:
 - <http://www.weather.gov/mfi>
 - www.co-palm-beach.fl.us
 - For storm information call 2-1-1

[\[Download KML\]](#) [\[Download Image\]](#)

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





QUESTIONS?

Thank You!



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