



2025 Hurricane Presentation

City of North Port Emergency
Management





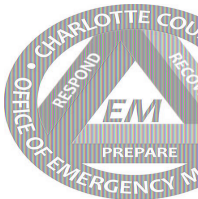
US Army Corps
of Engineers®



United Way
of South Sarasota County



Emergency
Management
Network



Local
Government

Faith-Based
Organizations

Non-Governm
ental
Organizations

State
Departments

Federal
Agencies

Private
Industry

Volunteer
Organizations

2025 Predictions

“Dynamic Hurricane Season”

Source	Named Storms	Hurricanes	Major Hurricanes
Average Season	14	7	3
2024 Hurricane Season	18	11	5
Accuweather	13-18	7-10	3-5
Colorado State University	17	9	4
Sarasota Climate Adaptation Center	17	10	5
National Hurricane Center	13-19	6-10	3-5

Saffir-Simpson Hurricane Categories



WEATHER

SAFFIR-SIMPSON HURRICANE WIND SCALE

CATEGORY

WINDS (MPH)

DAMAGE

1

74-95

SOME

2

96-110

EXTENSIVE

3

111-129

DEVASTATING

4

130-156

CATASTROPHIC

5

157+

CATASTROPHIC

TORN

Storm Surge Watch vs Warning

Storm Surge **Warning**

There is a **danger of life-threatening inundation** from rising water moving inland from the shoreline generally **within 36 hours**.

Promptly follow evacuation and other instructions from local officials.

Storm Surge **Watch**

There is a **possibility of life-threatening inundation** from rising water moving inland from the shoreline generally **within 48 hours**.

Promptly follow evacuation and other instructions from local officials.



Hurricane Threats and Alerts

Wind

Hurricane Watch: Hurricane force winds (74mph) are possible in 48 hours

Hurricane Warning: Hurricane force winds are expected in 36 hours

Extreme Wind Warning: Sustained winds of 115mph are imminent or happening, shelter in a sturdy location

Storm Surge

Watch: Possibility of life-threatening inundation within 48 hours

Danger of life-threatening inundation within 36 hours

Hurricane Threats and Alerts

Tornado

Watch:

The ingredients are present
for a tornado to form.

Warning:

A Tornado is happening – take
cover!

Flooding

Flood Advisory:

Be cautious, avoid ponded roads

Flood Watch:

Conditions favorable for flooding

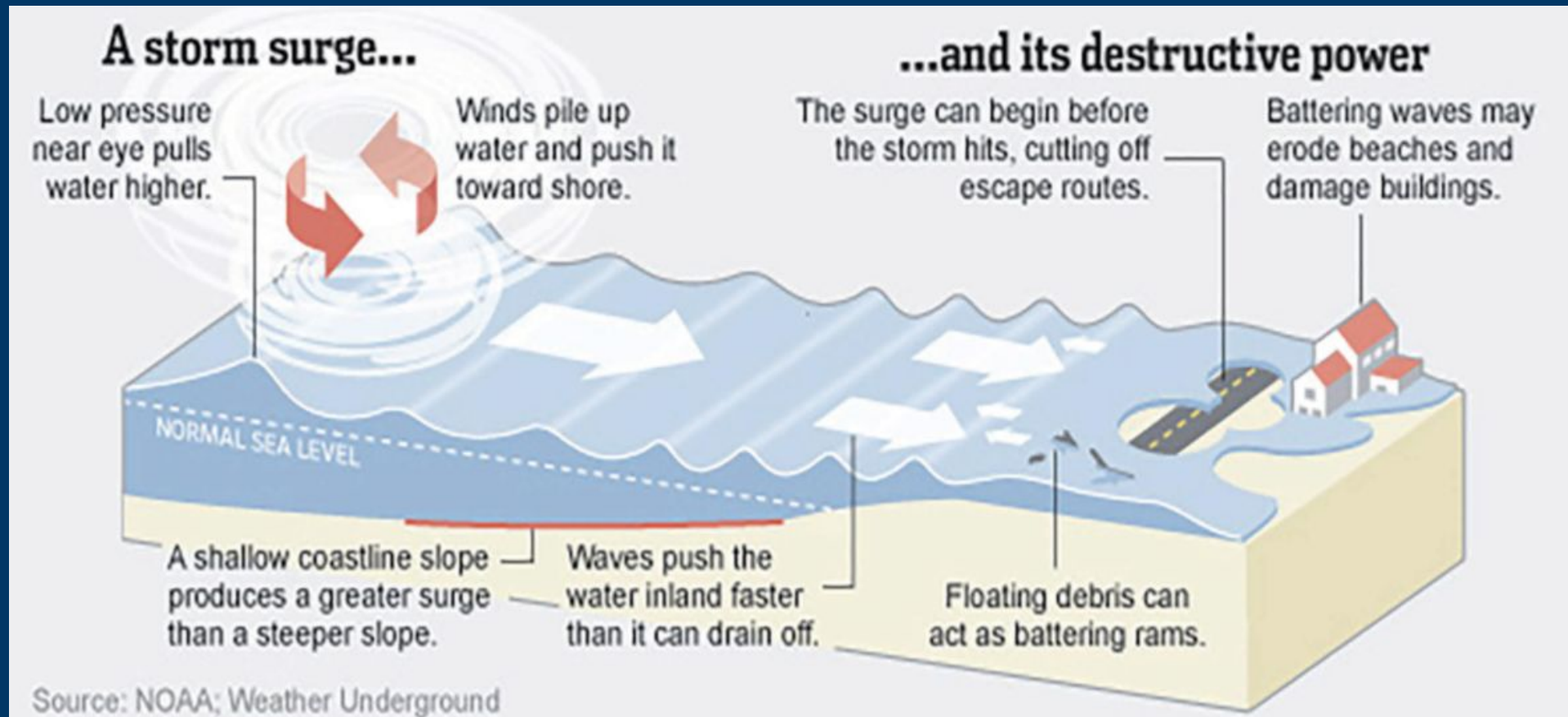
Flood Warning

Flooding is occurring or imminent

Flash Flood Emergency

Act Now!

Storm Surge



Inland Flooding from Rain and River flooding



North Port and other areas of Sarasota are particularly vulnerable to Inland Flooding



Inland Flooding can occur hours or days after a storm passes.



Inland Flooding is the second leading cause of hurricane-related fatalities



Turn Around, Don't Drown



Hidden Dangers in Water



Secondary Hazards in Flood Waters



Infectious Diseases



Venomous/Dangerous Animals



Wound Infections



Chemical Contamination

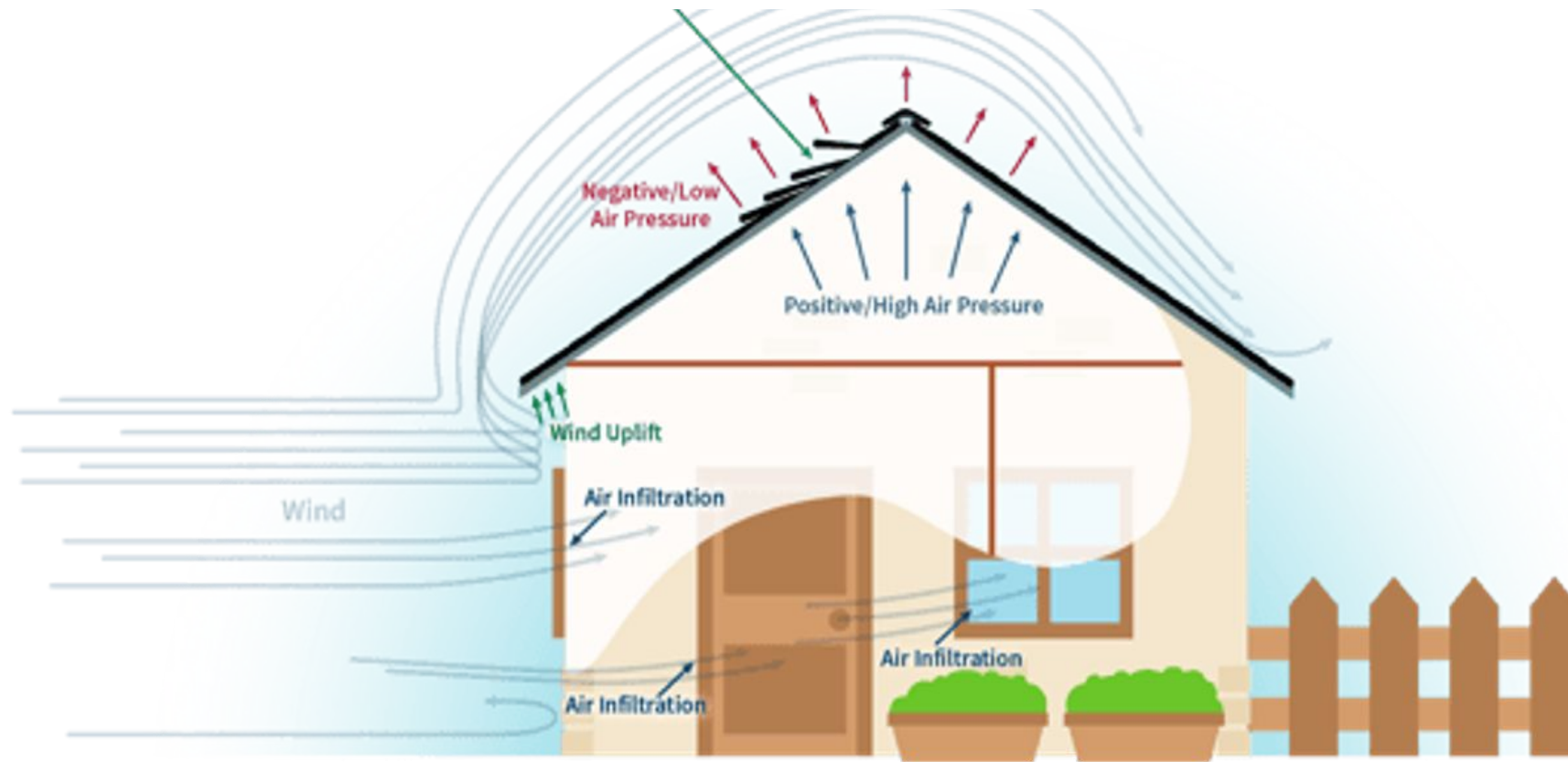


Electrocution



Injury



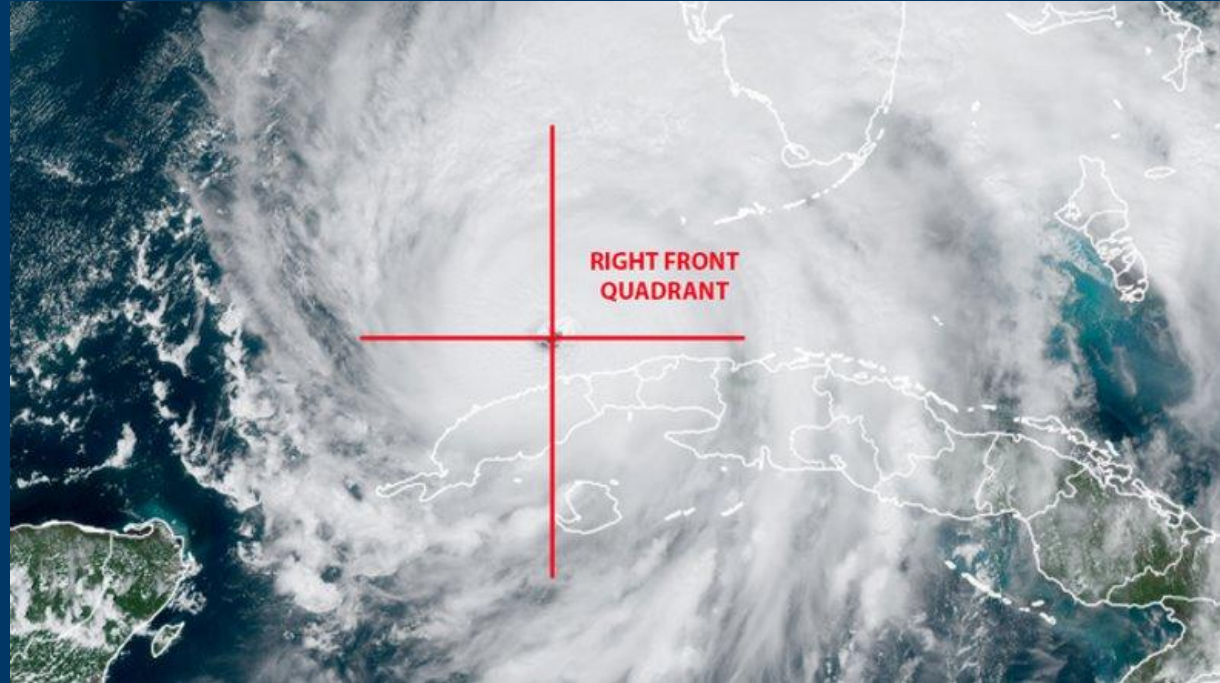


Dangers of Extreme Wind and Wind Infiltration

Tornadoes in Hurricanes

Right Front Quadrant
relative to storm
motion is most likely to
create tornadoes

Depending upon the
storm, tornadoes may
happen up to 100 miles
away from the storm
center.



Hurricane Watch Vs Warning

HURRICANE WATCH

Indicates the possibility that you could experience hurricane conditions within 48 hours.



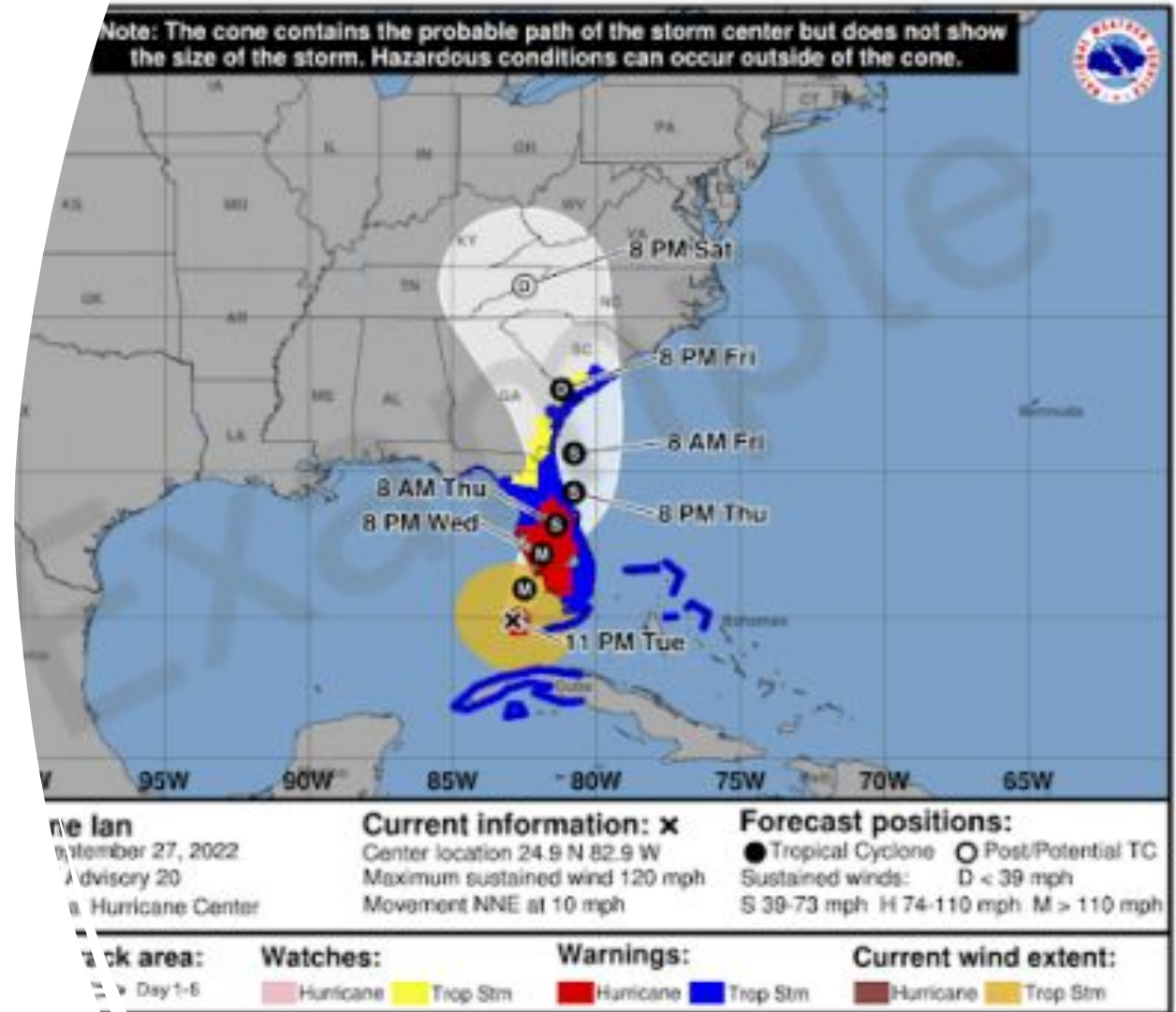
HURRICANE WARNING

Indicates that sustained winds of at least 74 mph are expected within 36 hours.

2025 Forecasting Updates

- Upgraded to a 7-Day Tropical Weather Outlook
- Adding experimental inland tropical storm and hurricane watches and warnings
 - Will communicate inland wind risk

National Hurricane Center Tropical Cyclone Forecast Cone Graph

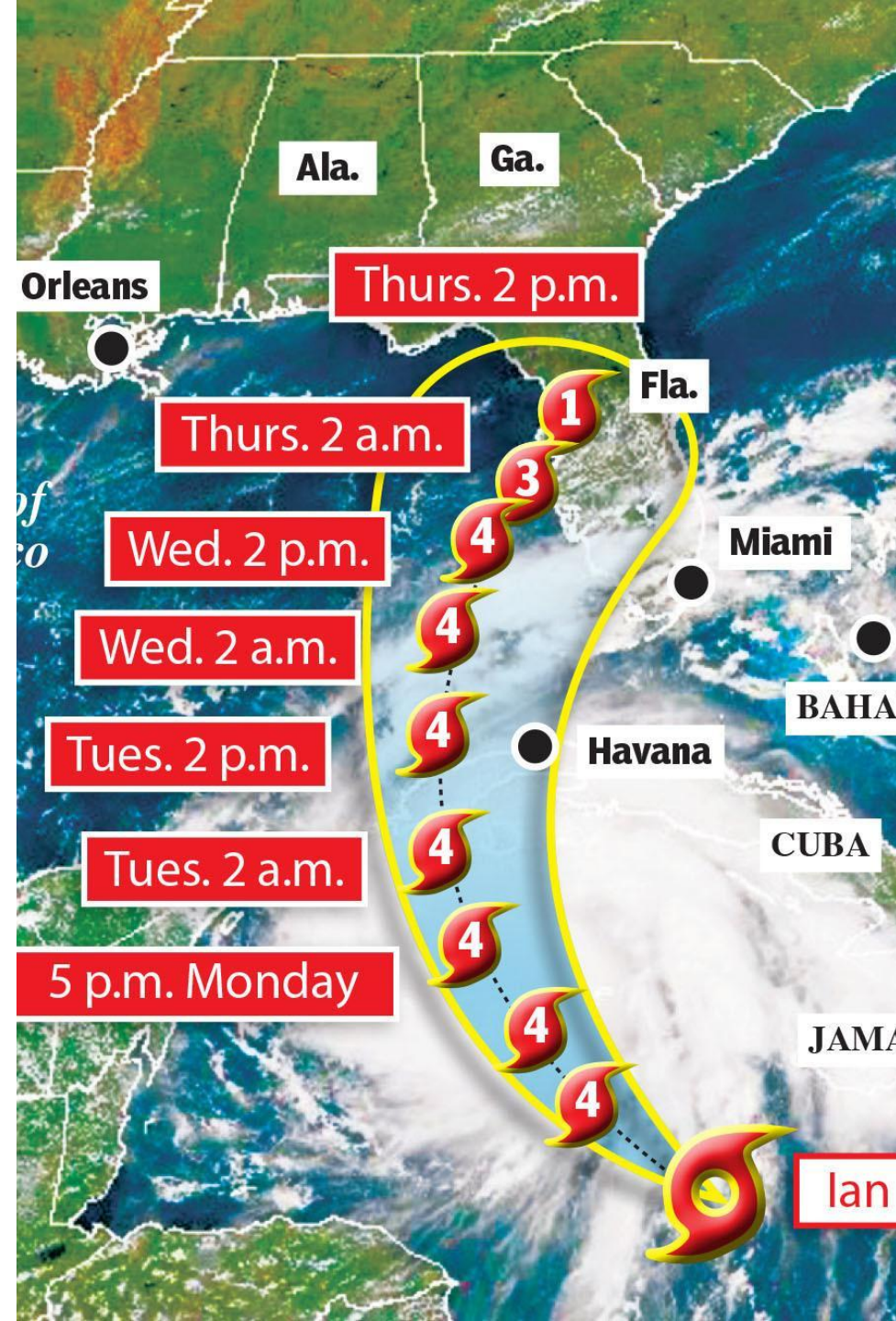


Cone of Uncertainty

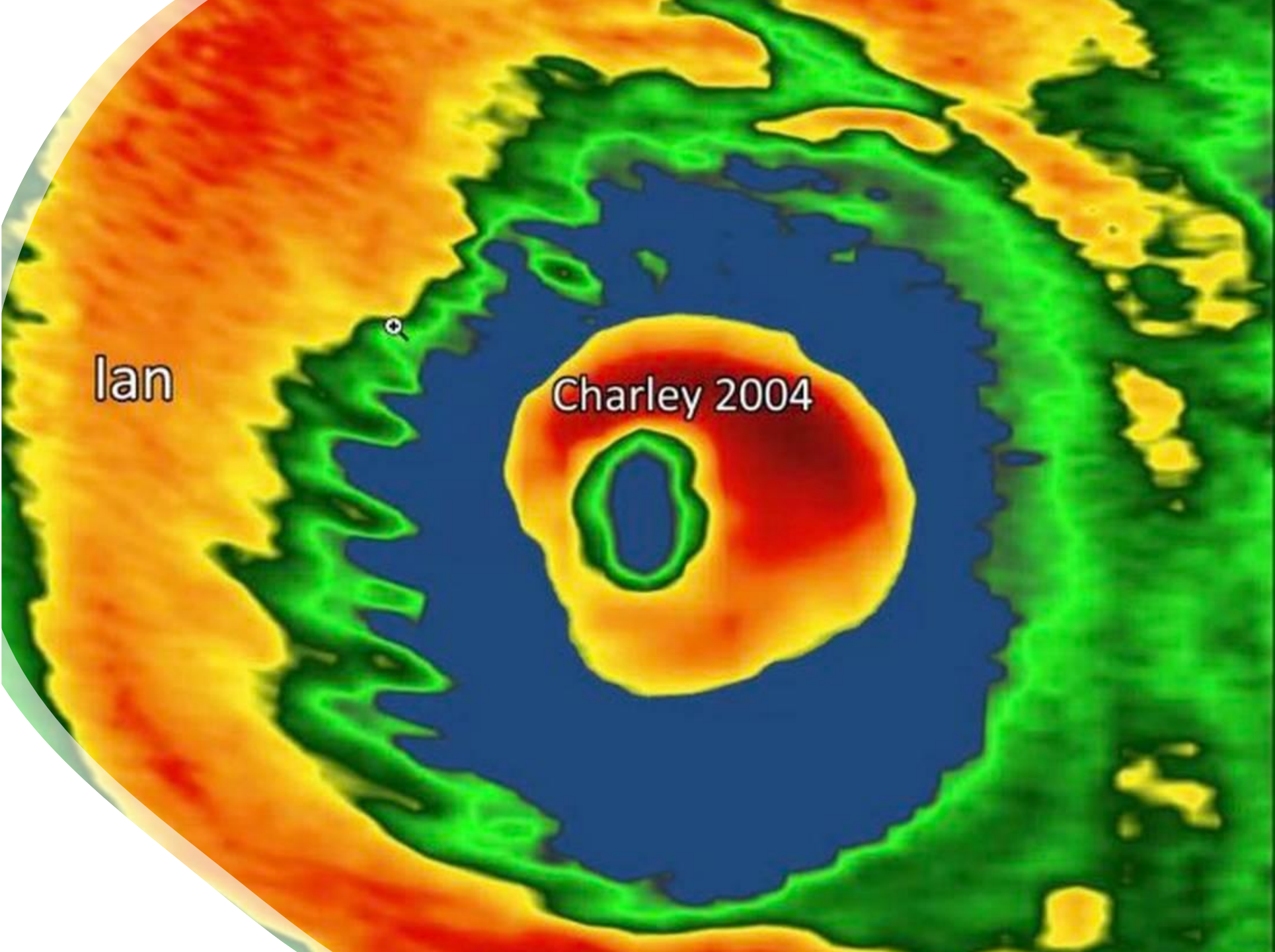
66% chance the center of the eye will be inside the cone.

Impacts can and will occur outside of the cone.

The further out the forecast, the least accurate the forecast is.



Storm Name:	Ian	Charley
Wind Speed at Landfall	150 mph	150 mph
Pressure	940 MB	941 MB
Forward Speed	9 MPH	25 MPH
Eye Diameter	35 miles	10 miles
Tide at Time of Impact	High	Low
Max Storm Surge	15 feet	6 feet



Hurricane Rapid Intensification n

- Rapid Intensification occurs when winds in a tropical cyclone increase by approximately 35mph or more in a 24-hour period.
- Rapid intensification is becoming more common due to high water temperatures and lower wind shear
- In the past 20 years, 8.1% or 49 storms rapidly intensified from a Category 1 to a major Category 3 or higher.



Flood Zone Vs. Evacuation Level

- Flood Zones
 - Created by FEMA to show areas of high- and moderate- to low-flood risk
 - Used to determine flood insurance requirements
 - Just because you are not in a flood zone, that does not mean you will not flood due to a hurricane
 - You can be outside of a flood zone and still be evacuated
- Evacuation Levels
 - Determined by the County based on storm surge data from the National Hurricane Center
 - Indicates your risk of danger due to storm surge or winds
 - Evacuations are only called when there is a threat to life and property in your level.






Flood Zone Map vs. Evacuation Level Map



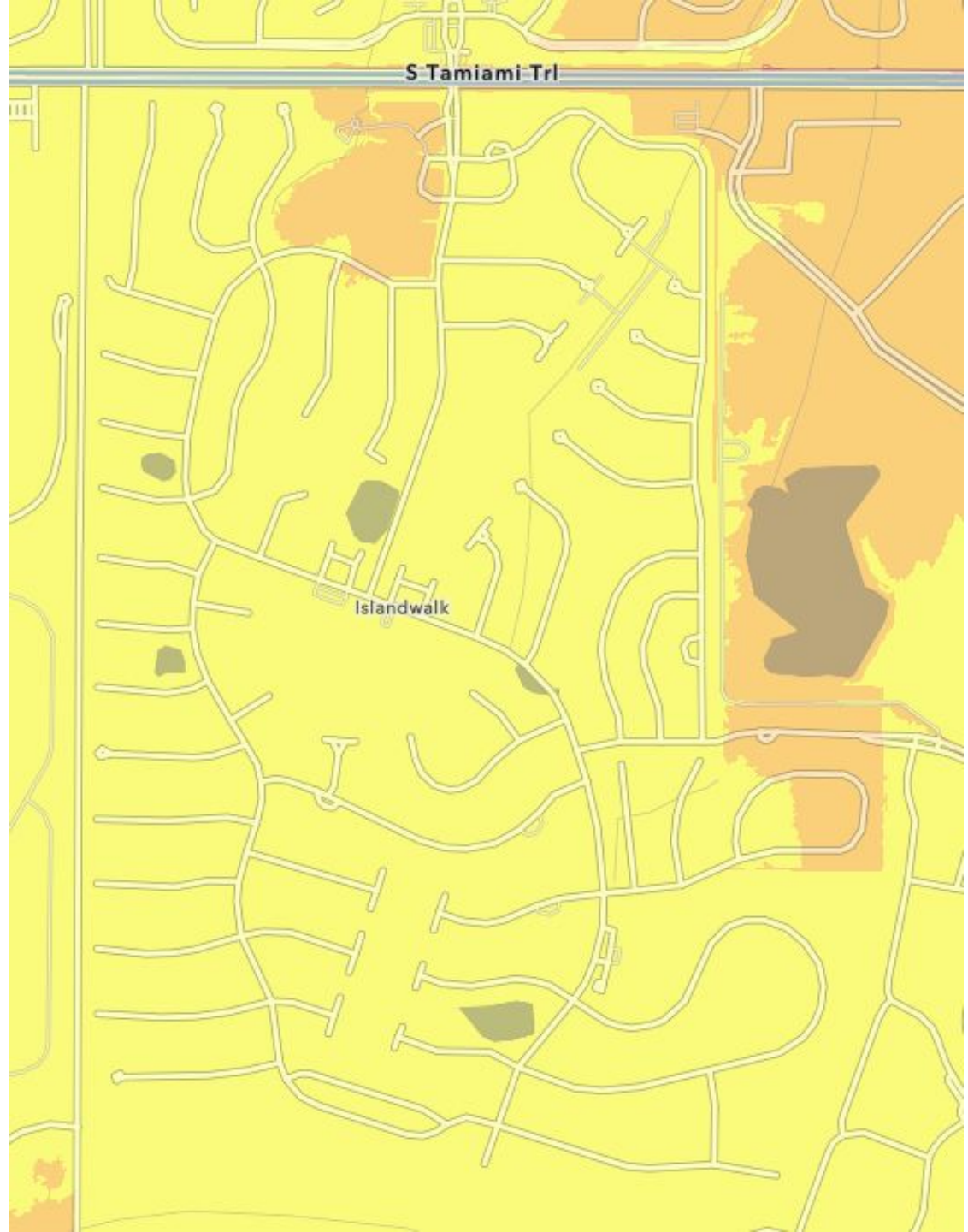
North Port City Limits



FEMA Coastal Risk Flood Maps Effective March 27, 2024

-  Zone AE - High risk flood zone which is a special flood hazard area (SFHA) with a 1% annual chance of flooding (100-year flood). Base flooded elevation determined.
-  Zone X (Yellow) - Areas of 0.2% annual chance of flood; areas of 1% annual chance flood with average depths of less than one foot or with drainage areas less than one square mile.
-  Zone X (No Color) - Areas determined to be outside the 0.2% annual chance floodplain. THIS AREA HAS NO POP-UP INFORMATION
-  Zone VE
-  others

Know Your
Evacuation Level!



Hurricane Evacuation Centers: Lifeboat, Not a Cruise Ship

- Hurricane Evacuation Centers will be available, but they should be a last resort.
- Each person gets only 20 Square Feet of space in the evacuation center.
- 4 Evacuation Centers in the City (12 in the County)
 - Atwater Elementary School
 - Heron Creek Middle School
 - North Port High School
 - Woodland Middle School
 - *Taylor Ranch Elementary School



Medical Needs Program

Sarasota County runs the
Medical Needs Program

Program is available for
Sarasota County residents
with qualifying medical
needs and/or are
electrically dependent.

Qualify for special Medical
Needs Dependent
Evacuation Center

Must bring a caregiver to
the facility.

Transportation is available
to assist with getting
residents to the
Evacuation Center

Apply online through
Sarasota County
Emergency Management
website.



Evacuations: Mandatory or Not?

We will not force you from your home, however if you chose to stay, be aware of the following risks:

- No help is coming during the storm
- Emergency vehicles do not respond after sustained winds reach 45 mph or greater
- It could take days before help can get to you
- Your home may be without power and water for days or weeks
- Your vehicles may be flooded

When to evacuate



- Evacuations have been issued for your area
- The winds surpass the threshold your home was built to sustain
- You or someone in your home relies on electricity for survival
- You and your family's peace of mind

Preparing your Home/Business For Evacuation

Move any outdoor furniture and anything that could become airborne.

Trim back compromised or dangerous tree limbs.

Ensure carbon monoxide detectors are functioning.

Ensure all doors and windows are closed and locked.

Put up Hurricane Shutters.

Shut off emergency water valve to prevent backup into the home.

Shut off main power breaker to prevent electrical fires.

Communicate where you are going with friends and family.

Ensure Insurance Information is accessible

Preparing your Home to Shelter in Place

Everything from the Previous Slide Plus:

Clean bathtubs and fill with water

Stock up on drinking water and shelf stable food

Fuel up generators and cars

Get refills on all medications (for people and pets)

Charge electronic devices and portable chargers

Download movies and games

Ensure your neighbors, friends, and family know to check on you after the storm.

Get Cash from ATMs

Other Important Info

Get Cash from
ATMs

Keep valuable
paperwork safe
(dishwasher in
plastic bags)

Have insurance
information on
hand

Have important
contacts written
down

Ensure battery
powered vehicles
and devices are safe
from floodwaters

Considerations for Pets

- Stock up on pet food, treats, water, and medications.
- Ensure you have up-to-date vaccination records.
- Have pet friendly hotels pre-identified.
- Bring a crate or carrier for your pet.
- Have your pet's favorite toys/blankets/bed.





Evacuation Re-entry

- Only areas that have been deemed safe will be reopened for residents to return to their homes.
- Stay informed to guidance from official sources on safe areas for reentry.
- Have two forms of identification with proof of residential or business ownership.
- Most importantly – Be Patient!



CERT and the City of North Port

- Neighborhood CERTs in North Port may assist the City before and after a hurricane by:
 - Preparing their homes, and assisting their neighbors to prepare their homes
 - Maintaining a list of who is evacuating and who is staying
 - Providing critical information about their community to first responders
 - Informing the City of where the hardest-hit areas are
 - Having an organized approach for checking on their neighbors
 - Safely beginning light recovery operations within the scope of their training
 - Communicating unmet needs to the City
 - Assisting with points of distribution and staffing shelters
- CERT does not replace first responders

Emergency Alerts and Updates:

- Everbridge
 - Alertsarasotacounty.com
- Facebook
 - The City of North Port – Government
- X (Twitter)
 - @CityofNorthPort
- City Website
 - NorthPortFL.gov

- North RePort App
 - App Store and Google Play
- City YouTube
 - @NorthPortFL
- City of North Port Emergency Call Center
 - 941-429-7000



Key Takeaways



Hurricane Category is not everything

Pay Attention to National Weather Service Watches and Warnings and Official Messaging

Know your evacuation zone and be prepared. Have a family kit and a place to go.



HURRICANE EXPO

MAY 31, 2025

10 A.M. - 2 P.M.

George Mullen Activity Center, 1602 Kramer Way, North Port, FL 34286



Questions?