



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Big Bend HCC General Membership Meeting

June 1, 2021



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

How to use GoToMeeting

Use the GoTo App  on your computer or smart device

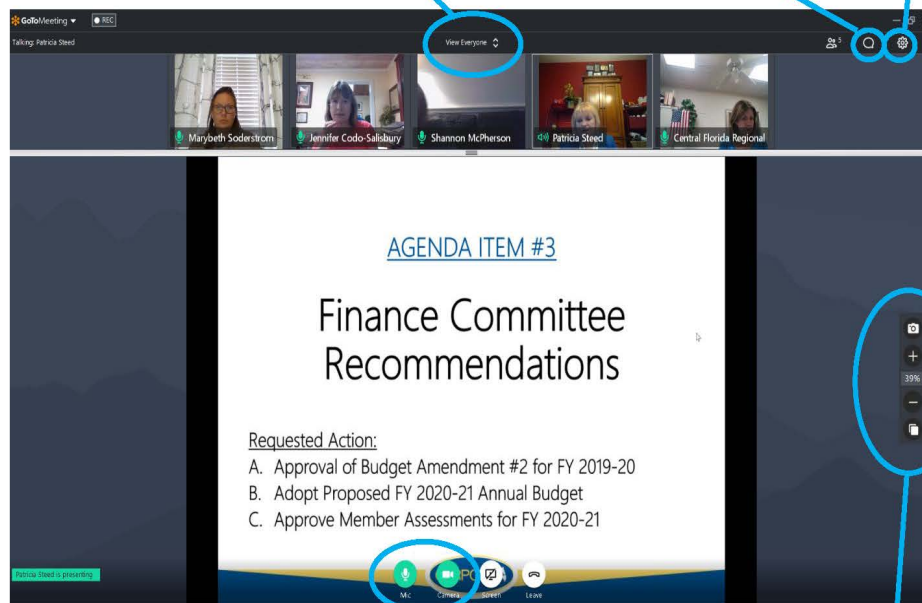
You **CANNOT** be on two devices at once, this causes audio feedback.

GoToMeeting Settings in Desktop Application

Select the participants you would like to view: All participants, Just those with cameras on, or just the speaker.

Chat with meeting host or all participants during meeting.

View settings including information to join the meeting by phone or select computer audio.



Mute and unmute your audio and video.

Increase or decrease the size of the slides being presented.



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Communication

Identify yourself before you speak.

Use chat box to ask questions during presentations, staff is monitoring.

Everyone will be muted except during discussion or when staff asks for questions.



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Welcomes and Introductions

Philip Doyle
Tallahassee Memorial Hospital, Chair



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

BBHCC Board of Directors Update

Philip Doyle
Tallahassee Memorial Hospital, Chair

Big Bend HCC

2021 Hurricanes Season Briefing

Tuesday, June 1st



Mark Wool

Warning Coordination Meteorologist

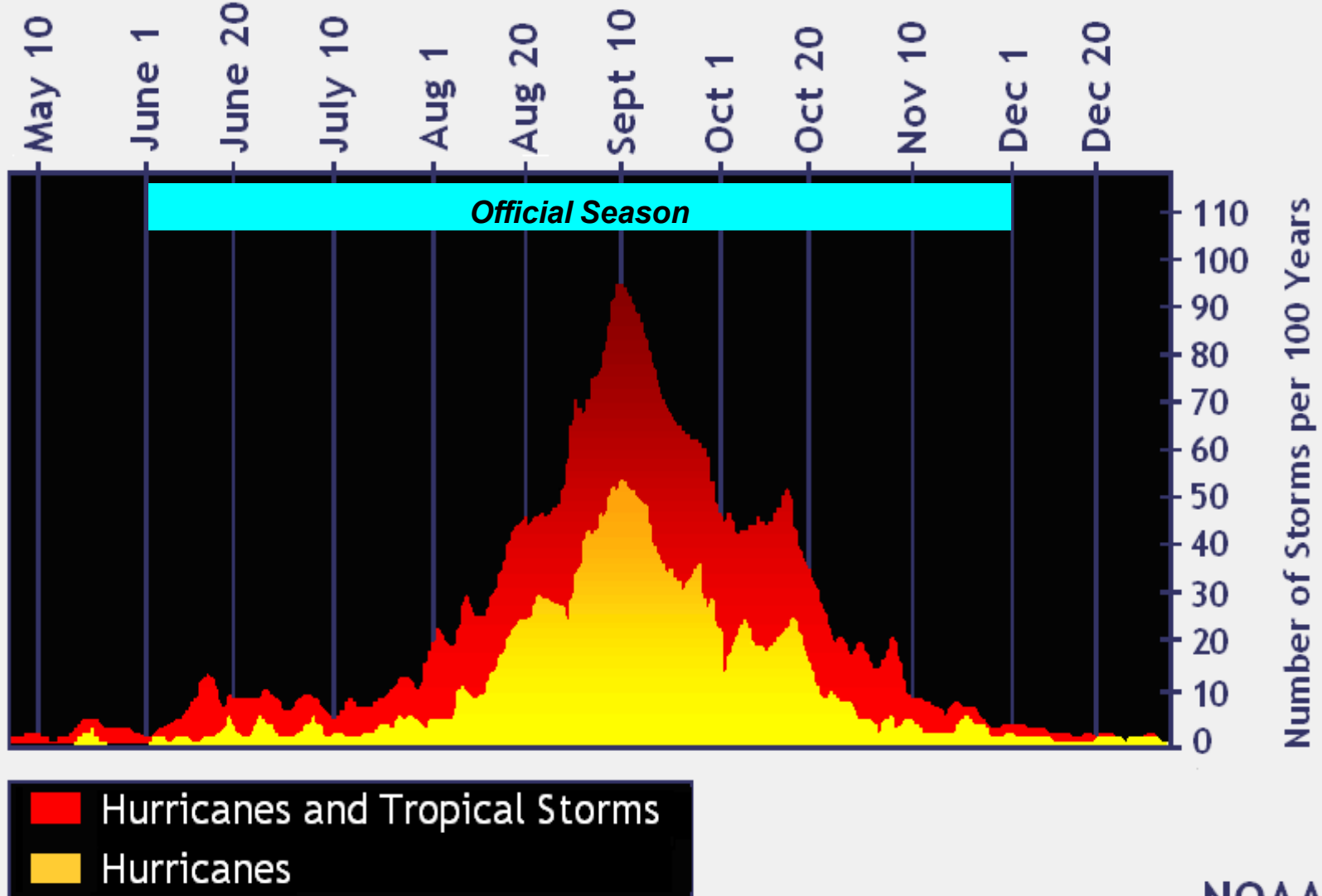
NWS Tallahassee, FL

What We'll Cover Today

- The Basics
- The Outlook
- What's New?
- Reminders
 - Tropical web pages
 - WEA & Storm Surge alerting
 - Cone of uncertainty caveats
 - Wind Speed Probabilities
 - Time of Arrival Graphics



The Official Season



Peak of the Season

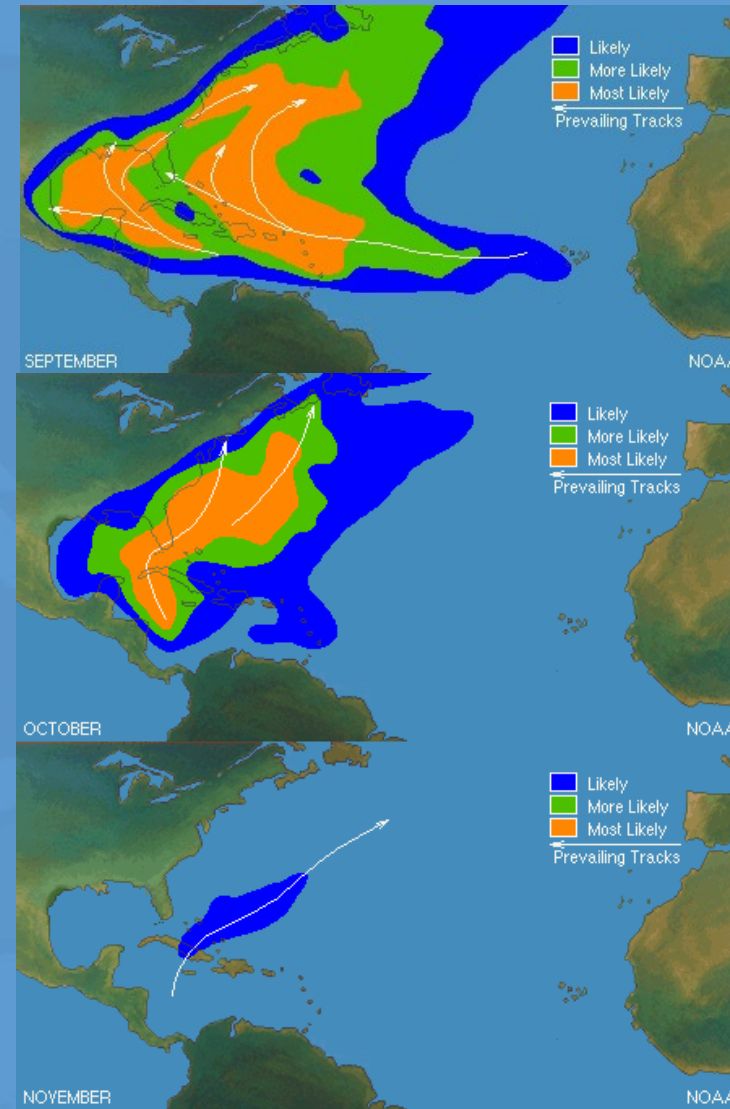
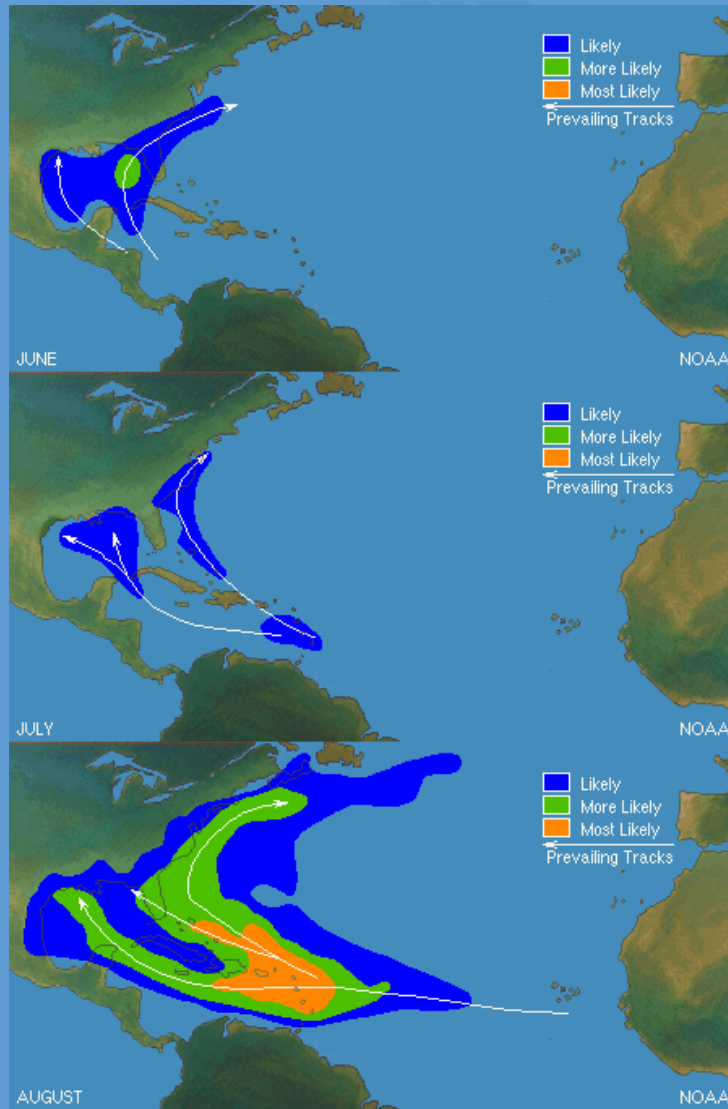
August to October

Since 1950, 78% of Atlantic named storms have formed in these months.

84% of hurricanes

92% of major hurricanes (Cat 3-5)

Favored Development Areas



Tropical Cyclone Thresholds & the Saffir-Simpson Wind Scale

Cyclone Type	Maximum Sustained Winds
Tropical Depression	38 mph or less
Tropical Storm	39 to 73 mph
Hurricane	74 mph or greater
Major Hurricane	111 mph or greater

Category	Wind Speed Range (peak 1-minute wind)
1	74-95
2	96-110
3	111-129
4	130-156
5	157-??

Watches and Warnings*

Tropical Storm Warning

Tropical storm conditions
(sustained winds of 39 to 73 mph)
are **expected** within the **next 36 hours**



Tropical Storm Watch

Tropical storm conditions
(sustained winds of 39 to 73 mph)
are **possible** within the **next 48 hours**

*Note: Hurricane watches and warnings are also pinned to the expected start of tropical storm force

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

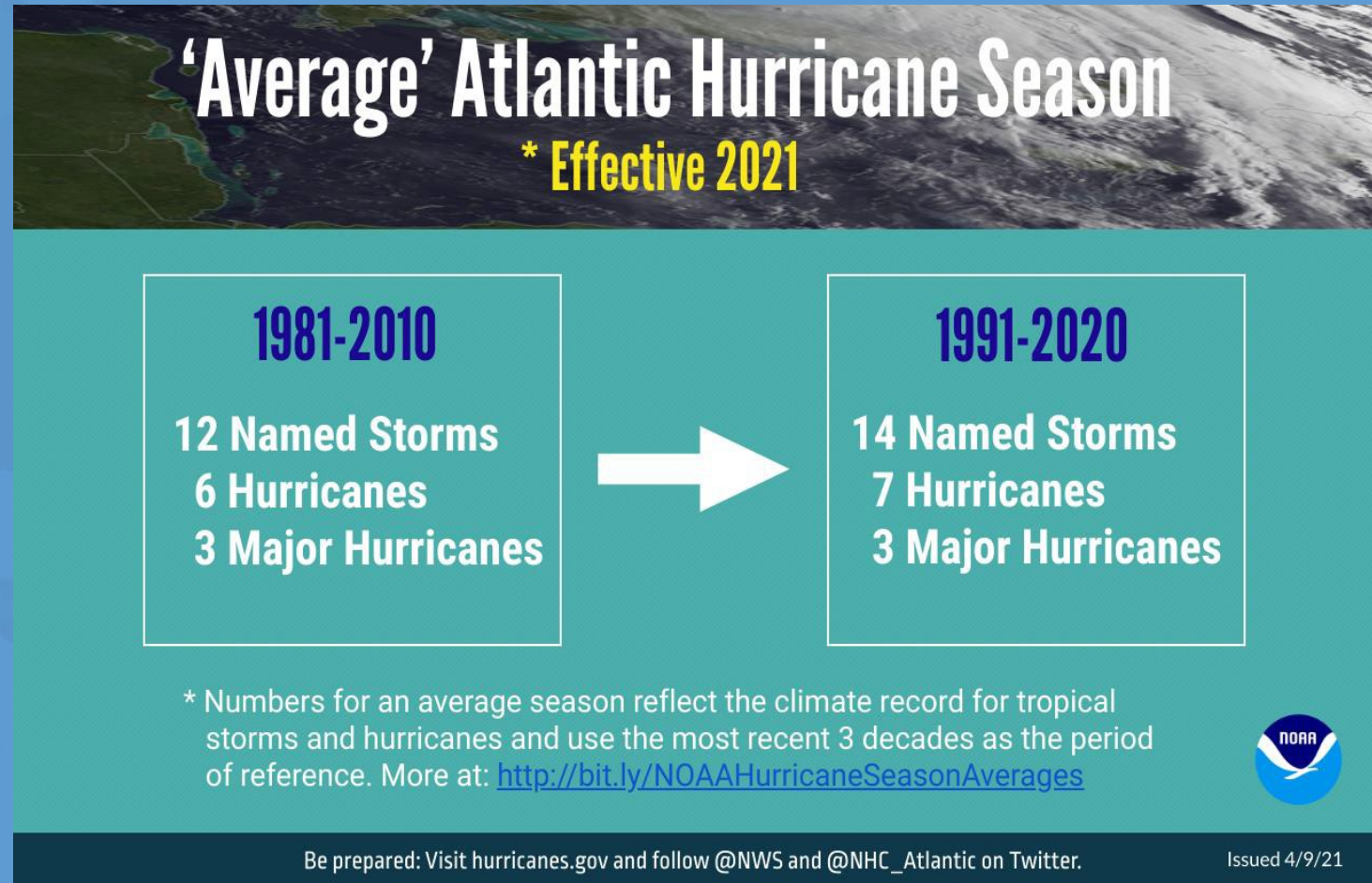
There is a **possibility of life-threatening inundation** from rising water moving inland from the shoreline generally **within 48 hours**.

Promptly follow evacuation and other instructions from local officials.



Increased “Average” Number of Storms in Atlantic Basin

- Averages for named storms & hurricanes have increased
- Major hurricanes remain the same
- Updates occur once per decade
- Climate change may be a factor



2021 Seasonal Outlook

2021
 Atlantic
 Names
 Ana
 Bill
 Claudette
 Danny
 Elsa
 Fred
 Grace
 Henri
 Ida
 Julian
 Kate
 Larry
 Mindy
 Nicholas
 Odette
 Peter
 Rose
 Sam
 Teresa
 Victor
 Wanda

	Average or Normal Season	2020 Season	Colorado State	University College London	NC State	The Weather Channel	Accu Weather	NOAA (70% chance)
Named Storms	14	30	17	17	15-18	18	16-20	13-20
Hurricanes	7	13	8	8	7-9	8	7-10	6-10
Major Hurricanes	3	6	4	3	2-3	3	3-5	3-5

2021

Atlantic
Names

~~Ana~~

Bill

Claudette

Danny

Elsa

Fred

Grace

Henri

Ida

Julian

Kate

Larry

Mindy

Nicholas

Odette

Peter

Rose

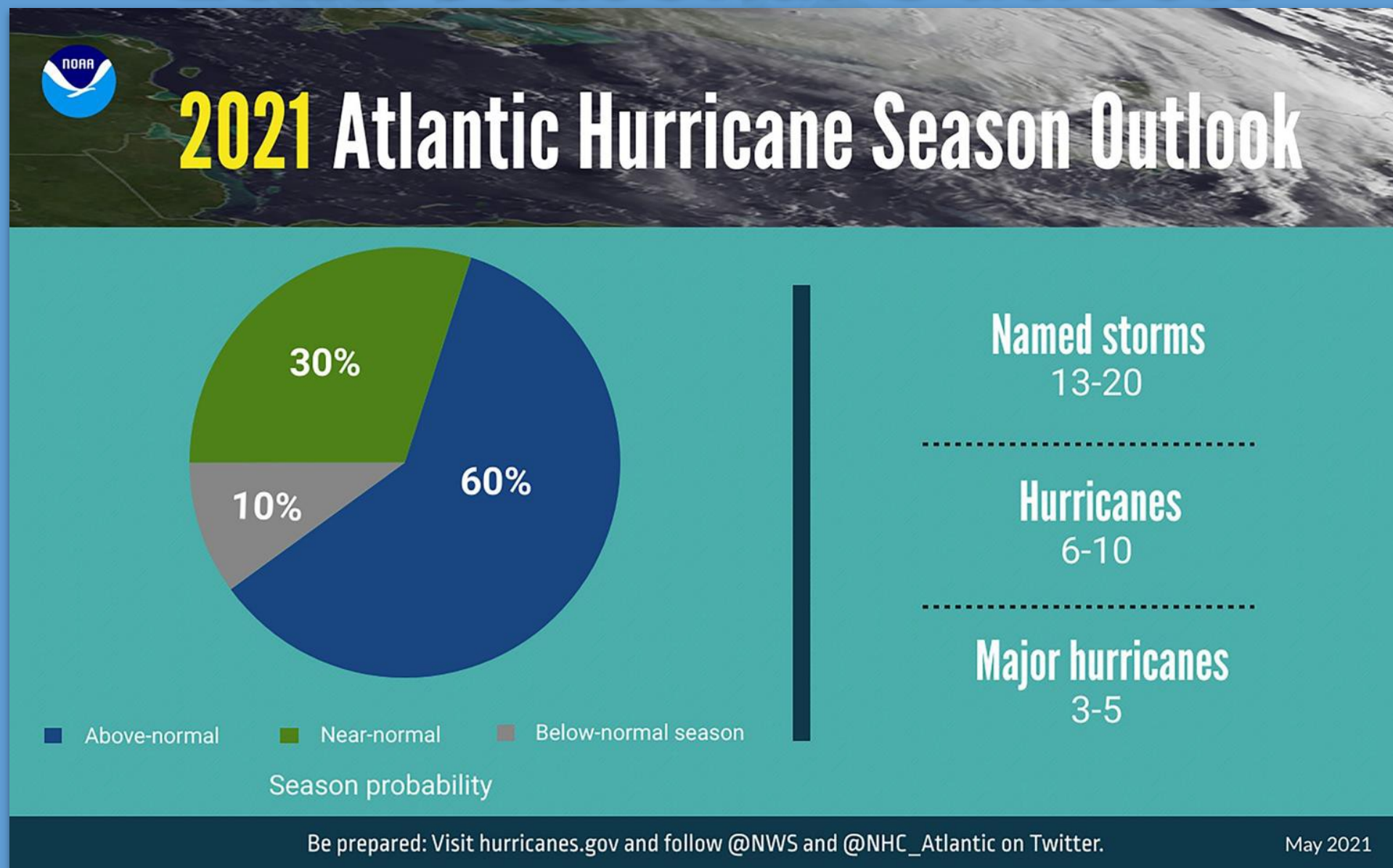
Sam

Teresa

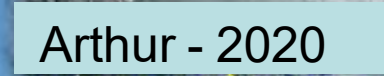
Victor

Wanda

2021 Seasonal Outlook



May 15 Start of NHC Atlantic Tropical Weather Outlooks



- NHC began issuing routine Tropical Weather Outlooks on May 15
 - No change to the official start of hurricane season
- Seven straight years with at least one named storm prior to June 1st
 - In 2020, **36 Special TWOs issued prior to June 1!**
- 5 of the recent pre-season storms have impacted the United States

Alternate Atlantic Basin Name List

Greek Alphabet Will No Longer Be Used

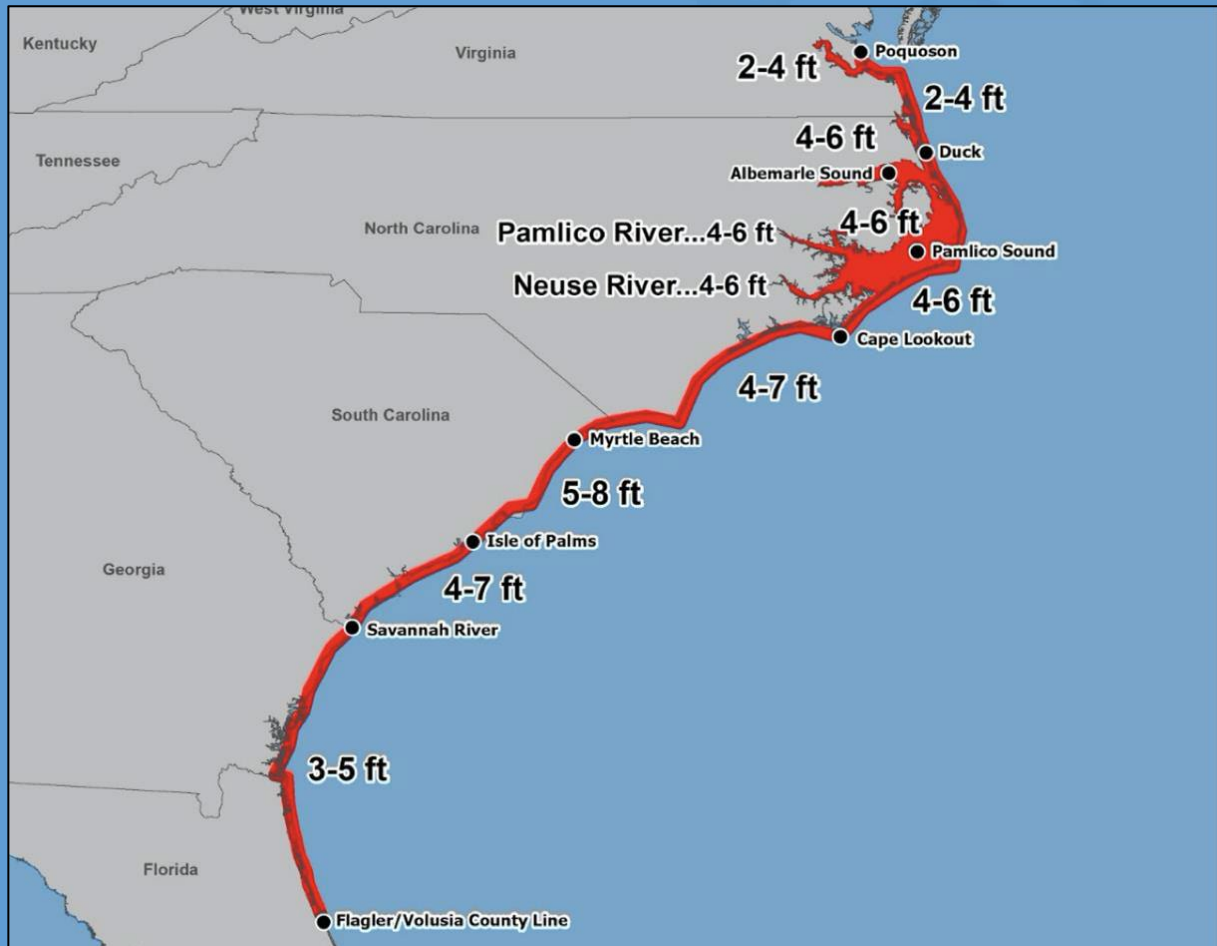
Adria
Braylen
Caridad
Deshawn
Emery
Foster
Gemma

Heath
Isla
Jacobus
Kenzie
Lucio
Makayla
Nolan

Orlanda
Pax
Ronin
Sophie
Tayshaun
Viviana
Will

CONTINUES for 2021

Experimental Graphical Depiction of Storm Surge Inundation Values



- Graphical depiction of the peak storm surge inundation values along the U.S. Gulf and Atlantic coasts, Puerto Rico, and the U.S. Virgin Islands that are provided in the NHC Public Advisory.
- Values represent the peak height the water could reach above normally dry ground at the immediate coast.

Wireless Emergency Alerts


- Wireless Emergency Alert (WEA) is an alerting network in the United States designed to disseminate emergency alerts to mobile devices such as smartphones and cell phones.
- WEA messages are triggered by the NWS for the following tropical warnings:
 - Hurricane Warnings:
 - Extreme Wind Warnings
 - Storm Surge Warnings
- Spanish messages for devices with Spanish set as the primary language and for 360 character messages on 4G devices
- Note: those with 3G service or lower will still receive 90 character messages

Wireless Emergency Alerts

New phones alert you of **WARNINGS** in your area with a unique ring tone and vibration.


You are not charged for these text alerts & are automatically enrolled to receive them

**WIRELESS
EMERGENCY
ALERTS
CAPABLE**



Warning Type	WEA Message
Tsunami Warning	Tsunami danger on the coast. Go to high ground or move inland. Listen to local news. -NWS
Tornado Warning	Tornado Warning in this area til hh:mm tzT. Take shelter now. Check local media. -NWS
Extreme Wind Warning	Extreme Wind Warning this area til hh:mm tzT ddd. Take shelter. -NWS
Hurricane Warning	Hurricane Warning this area. Check local media and authorities. -NWS
Typhoon Warning	Typhoon Warning this area til hh:mm tzT ddd. Check local media and authorities. -NWS
Flash Flood Warning	Flash Flood Warning this area til hh:mm tzT. Avoid flooded areas. Check local media. -NWS
Dust Storm Warning	Dust Storm Warning in this area til hh:mm tzT ddd. Avoid travel. Check local media. -NWS

Extreme Alert
Severe Alert



How WEA messages look on your phone

NWS WEA Messages

NWS 360 character WEA messages for devices on 4G networks or better

Hurricane Warning:

National Weather Service: A HURRICANE {TYPHOON} WARNING is in effect for this area for dangerous and damaging winds. This warning is issued up to 36 hours before hazardous conditions begin. Urgently complete efforts to protect life and property. Have food, water, cash, fuel, and medications for 3+ days. FOLLOW INSTRUCTIONS FROM LOCAL OFFICIALS.

Extreme Wind Warning:

National Weather Service: An EXTREME WIND WARNING is in effect for this area for the immediate danger of life-threatening winds til 11:35PM EDT. Take cover NOW in an interior room of a sturdy building, away from windows. Protect your head from flying debris. Do NOT go out in the calm of the hurricane eye! Winds will quickly become dangerous again.

Storm Surge Warning:

National Weather Service: A STORM SURGE WARNING is in effect for this area for the danger of life-threatening flooding. This warning is issued up to 36 hours before hazardous conditions begin. Urgently complete efforts to protect life and property. Follow evacuation orders if given for this area to avoid drowning or being cut off from emergency services.

90 character or less WEA messages for 3G networks or older

Hurricane Warning:

NWS: HURRICANE {TYPHOON} Warning this area. Check media and local authorities.

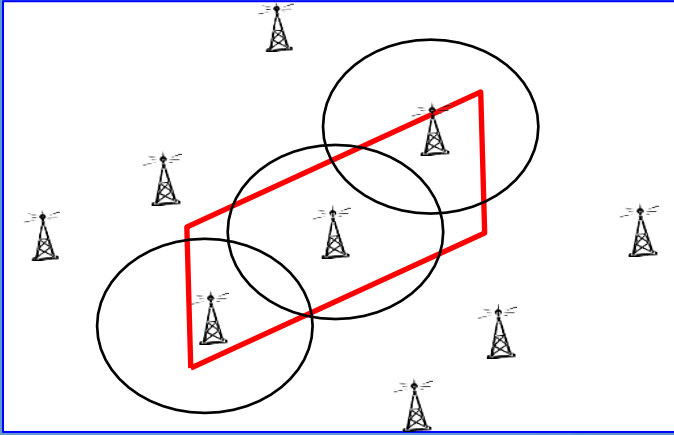
Extreme Wind Warning:

NWS: EXTREME WIND Warning this area til 11:35PM EDT. Take shelter now.

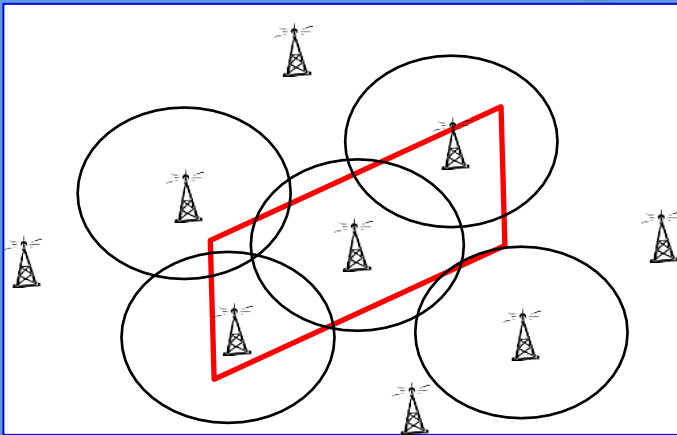
Storm Surge Warning:

NWS: Life-Threatening Storm Surge danger. FOLLOW THE INSTRUCTIONS OF LOCAL OFFICIALS.

Wireless Emergency Alerts



Carriers generally broadcast WEA from cell towers within the defined warning area



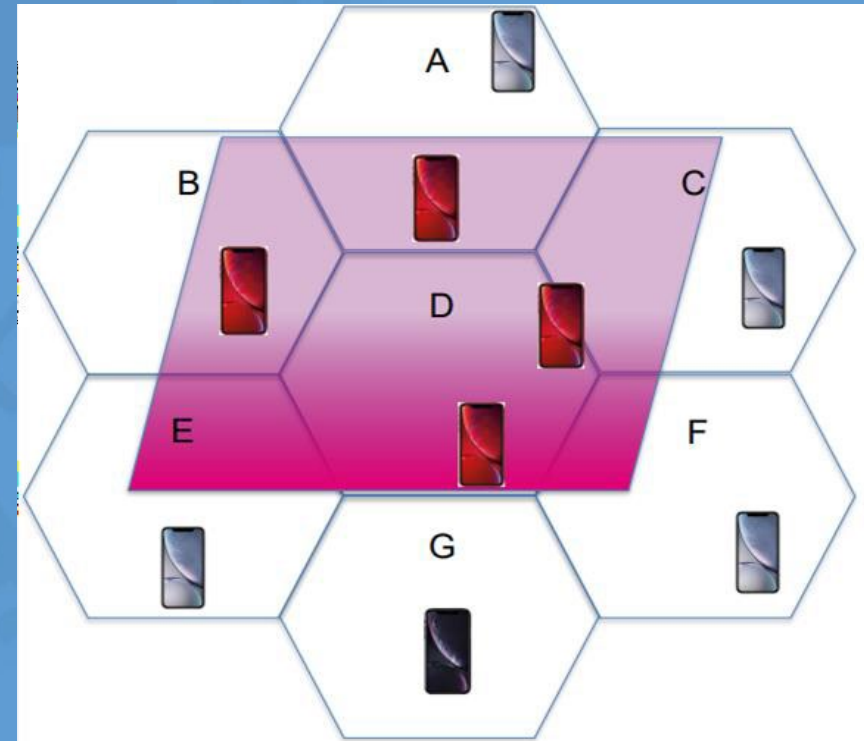
They may broadcast from towers where signal overlaps the defined warning area

WEA 1.0 & 2.0

- WEA technology allows the possibility for people to receive WEA for the same warning
- People who are not located in the warning polygon can receive the WEA

WEA 3.0 Geo-targeting

- Geographical targeting accuracy down to .1 NM for precise alerting
- Capability will be depended on phone type and/or carrier

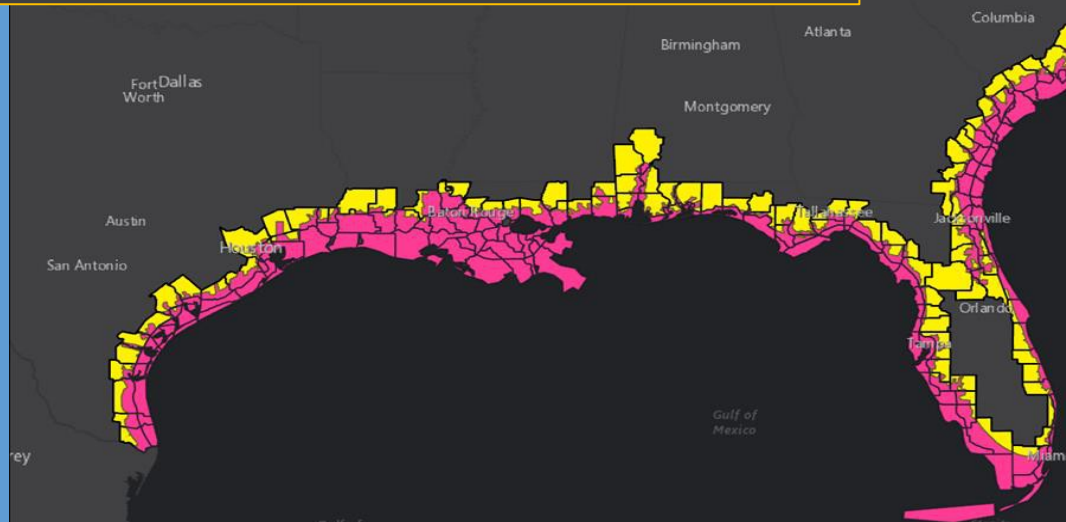
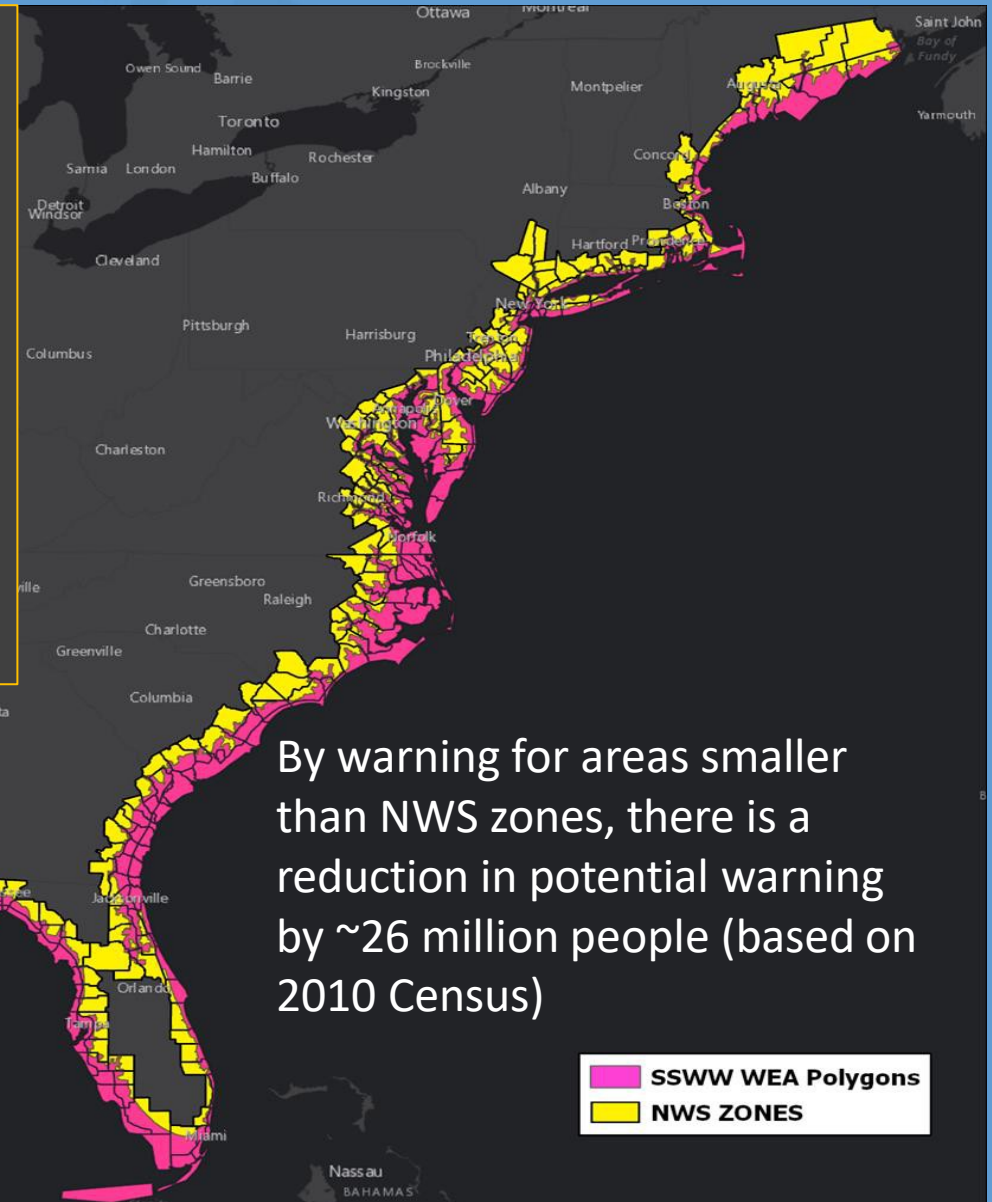


Storm Surge W/W WEA

Pink = The farthest possible inland extent of a Storm Surge Watch/Warning. Also, the area that could be alerted via WEA, the NWS front page map, and “Point and Click” pages if a watch or warning is needed for the area.

Yellow = The largest collection of entire NWS zones that could be alerted to a Storm Surge Watch/Warning via EAS and NWR using VTEC.

The official grid-based warning area will be smaller in nearly all cases than the pink area on this map



Local Tropical Webpages

SR: <http://www.weather.gov/srh/tropical?office=xxx>

ER: <https://www.weather.gov/xxx/tropical>

where xxx is the 3 letter office identifier (TAE)

- **One-Stop Shop** for all tropical related local forecast information, tailored to each WFO forecast area within the NWS Tropical Program.
- **Active Storms** tab becomes active when NHC initiates Tropical Cyclone advisories.
- Most sites have a similar layouts/navigation.
- Scrolling down the page provides access to NHC products related to each active storm and WPC rainfall products. **Users can now sort multiple storms based on relevance.**

The screenshot shows the NWS Southern Region Tropical Webpage for Hurricane Harvey. At the top, it features the National Weather Service logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". Below this, the page title is "NWS Southern Region Tropical Webpage" with the subtitle "Southern Region Headquarters". A navigation bar includes links for "Local Forecast Offices A-L", "Local Forecast Offices M-Z", "River Forecast Centers", "Center Weather Service Units", and "Regional HQ". The main content area is titled "NWS Corpus Christi homepage" and has a navigation menu with tabs for "Outlook", "Active Storms", "Threats and Impacts", "Local Products", "Satellite", "Radar", "Social Media", "Preparedness", and "Links". The primary focus is "National Hurricane Center Advisory 22 for Hurricane Harvey", with an "Update" section. A map displays the "6 PM CDT POSITION AND INTENSITY UPDATE" for Hurricane Harvey, showing its path from the Gulf of Mexico towards the Texas coast. A note states: "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." The map includes time markers: 1 PM Mon, 1 PM Sun, 1 PM Tue, 1 PM Wed, 4 PM Fri, and 1 AM Sun. Below the map, a table provides key information: "Hurricane Harvey" (Friday August 25, 2017, 4 PM CDT Advisory 22, NWS National Hurricane Center), "Current information: x" (Center location 27.5 N 96.5 W, Maximum sustained wind 125 mph, Movement NW at 10 mph), and "Forecast positions:" (Tropical Cyclone, Sustained winds: D < 39 mph, S 39-73 mph, H 74-110 mph, M > 110 mph). A legend defines symbols for "Potential track area" (Day 1-3, Day 4-5), "Watches" (Hurricane, Trop Stm), "Warnings" (Hurricane, Trop Stm), and "Current wind extent" (Hurricane, Trop Stm). At the bottom, there are four panels for "NHC Advisory Text Products": "Public Advisory", "Forecast Advisory", "Forecast Discussion", and "Wind Speed Probabilities". Each panel contains a map showing wind speed probabilities. A note at the bottom says "Click image to swap into full size panel above." and "Source: National Hurricane Center".

WFO Tropical Webpage

SR: <http://www.weather.gov/srh/tropical?office=xxx>

ER: <https://www.weather.gov/xxx/tropical>
where xxx is the 3 letter office identifier

- Threats and Impacts tab contains HTI FAQ but changes to threat and impact information when there is an active storm
- Communicates threats & potential impacts for each tropical hazard in the local area including: Wind, Storm Surge, Flooding Rain, and Tornadoes
- Helps communicate degree of preparation needed with safety margin factored in

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NWS Southern Region Tropical Webpage
Southern Region Headquarters
Regional Headquarters

Local Forecast Offices A-L Local Forecast Offices M-Z River Forecast Centers Center Weather Service Units Regional HQ

NWS Corpus Christi homepage

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

Map of Coastal Threats and Potential Impacts - What's This? Wind Threat Storm Surge Threat Flooding Rain Threat Tornado Threat Show/Hide Cone

Threat Level - Potential for wind greater than 110 mph

Potential for Devastating to Catastrophic Impact:
*Structural damage to sturdy buildings, some with complete roof and wall failures. Complete destruction of mobile homes. Damage greatly accentuated by large airborne projectiles. Locations may be uninhabitable for weeks or months.

For: Aransas County

...HURRICANE WARNING REMAINS IN EFFECT...
...STORM SURGE WARNING REMAINS IN EFFECT...

* LOCATIONS AFFECTED
- Rockport
- Holiday Beach

WIND
- LATEST LOCAL FORECAST: Equivalent Cat 2 Hurricane force wind with gusts to 125 mph
- Peak Wind Forecast: 85-105 mph
- Window for Tropical Storm force winds: until Wednesday morning
- Window for Hurricane force winds: until early this morning

- EMERGENCY PLANS SHOULD INCLUDE A REASONABLE THREAT AS DEPICTED ON THE LEFT.

* FOR MORE INFORMATION:
<http://www.weather.gov/srh/tropical?office=crp>

[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

USA.gov
US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Southern Region Headquarters
819 Taylor Street, Room 10A06
Fort Worth, TX 76102

Disclaimer
Information Quality
Help
Glossary

Privacy Policy
Freedom of Information Act (FOIA)
About Us
Career Opportunities

Comments? Questions? Please Contact Us.

WFO Tropical Webpage

SR: <http://www.weather.gov/srh/tropical?office=xxx>

ER: <https://www.weather.gov/xxx/tropical>
where xxx is the 3 letter office identifier

- Local Products tab is shown when there is an active storm
- Entire text of Hurricane Local Statement can be viewed here
- Additional products available on this tab include the Extreme Wind Warnings, Coastal Hazards, Surf Zone Forecasts, Flash Flood Warnings, Flood Warnings, Local Storm Reports, Post Tropical Cyclone Reports and Public Information Statements

The screenshot displays the NWS Southern Region Tropical Webpage interface. At the top, it features the National Weather Service logo and the text 'NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'. Below this, the page title is 'NWS Southern Region Tropical Webpage' with the location 'Southern Region Headquarters'. A navigation bar includes links for 'Local Forecast Offices A-L', 'Local Forecast Offices M-Z', 'River Forecast Centers', 'Center Weather Service Units', and 'Regional HQ'. The main content area is titled 'NWS Corpus Christi homepage' and has several tabs: 'Outlook', 'Active Storms', 'Threats and Impacts', 'Local Products' (which is highlighted), 'Satellite', 'Radar', 'Social Media', 'Preparedness', and 'Links'. Under the 'Local Products' tab, there are two dropdown menus: 'Select a National Weather Service Office' (set to 'Corpus Christi') and 'Select a Local Product' (set to 'Hurricane Local Statement'). The main content area displays a 'Hurricane Local Statement from the National Weather Service in Corpus Christi'. The text includes: 'HLSCRP TXZ229>234-239>247-260545-', 'Hurricane Harvey Local Statement Advisory Number 22 National Weather Service Corpus Christi TX AL092017 442 PM CDT Fri Aug 25 2017', 'This product covers SOUTH TEXAS', and a major headline: '**MAJOR HURRICANE HARVEY BEARING DOWN ON THE MIDDLE TEXAS COAST**'. It also lists 'NEW INFORMATION' with sections for 'CHANGES TO WATCHES AND WARNINGS: - None', 'CURRENT WATCHES AND WARNINGS: - A Storm Surge Warning and Hurricane Warning are in effect for Aransas, Calhoun, Kleberg, Nueces, Refugio, San Patricio, and Victoria - A Tropical Storm Warning is in effect for Duval and McMullen - A Hurricane Warning is in effect for Bee, Goliad, Jim Wells, and Live Oak', and 'STORM INFORMATION: - About 40 miles east-southeast of Port Aransas TX or about 70 miles south of Port Oconnor TX - 27.5N 96.5W - Storm Intensity 125 mph - Movement Northwest or 325 degrees at 10 mph'. A 'SITUATION OVERVIEW' section follows, stating: 'Hurricane Harvey has strengthened to Category 3 hurricane with sustained winds of 125 mph with gusts to 155 mph. Harvey is expected to remain a major hurricane through landfall tonight on the Middle Texas coast. Hurricane Harvey is expected to make landfall this evening between Corpus Christi and Seadrift. Hurricane force winds are expected to reach the coast by early this evening. Major Hurricane Harvey will make a direct impact on the communities of Port Aransas, Aransas Pass, Rockport, Fulton, Lamar, Bayside, Refugio, Austwell, Tivoli, and Seadrift. Catastrophic impacts will occur where Harvey makes landfall. Structural damage will occur to sturdy buildings, some with complete roof and wall failures. Catastrophic flooding is expected due to heavy rainfall and storm surge. Heavy rainfall is expected through much of the area with rainfall totals of 20 to 30 inches with maximum amounts near 40 inches near and east of a line from near Port Aransas to near Goliad. Outside that area, amounts of 10 to 20 inches are expected from east of a Loyola Beach to George West line. Lesser amounts are expected further

WFO Tropical Webpage

SR: <http://www.weather.gov/srh/tropical?office=xxx>

ER: <https://www.weather.gov/xxx/tropical>
where xxx is the 3 letter office identifier

- Satellite and Radar data is always available
- Preparedness tab is always available and provides quick access to local evacuation maps, preparedness guides and videos

The screenshot displays the NWS Southern Region Tropical Webpage. At the top, it features the National Weather Service logo and the text "NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". Below this, the page title is "NWS Southern Region Tropical Webpage" with a breadcrumb trail: "Weather.gov > Southern Region Headquarters > NWS Southern Region Tropical Webpage". On the right, it says "Southern Region Headquarters Regional Headquarters".

A navigation menu includes: "Local Forecast Offices A-L", "Local Forecast Offices M-Z", "River Forecast Centers", "Center Weather Service Units", and "Regional HQ". Below this is a link for "NWS Corpus Christi homepage".

The main content area has a menu with tabs: "Outlook", "Active Storms", "Threats and Impacts", "Local Products", "Satellite", "Radar" (which is highlighted), "Social Media", "Preparedness", and "Links".

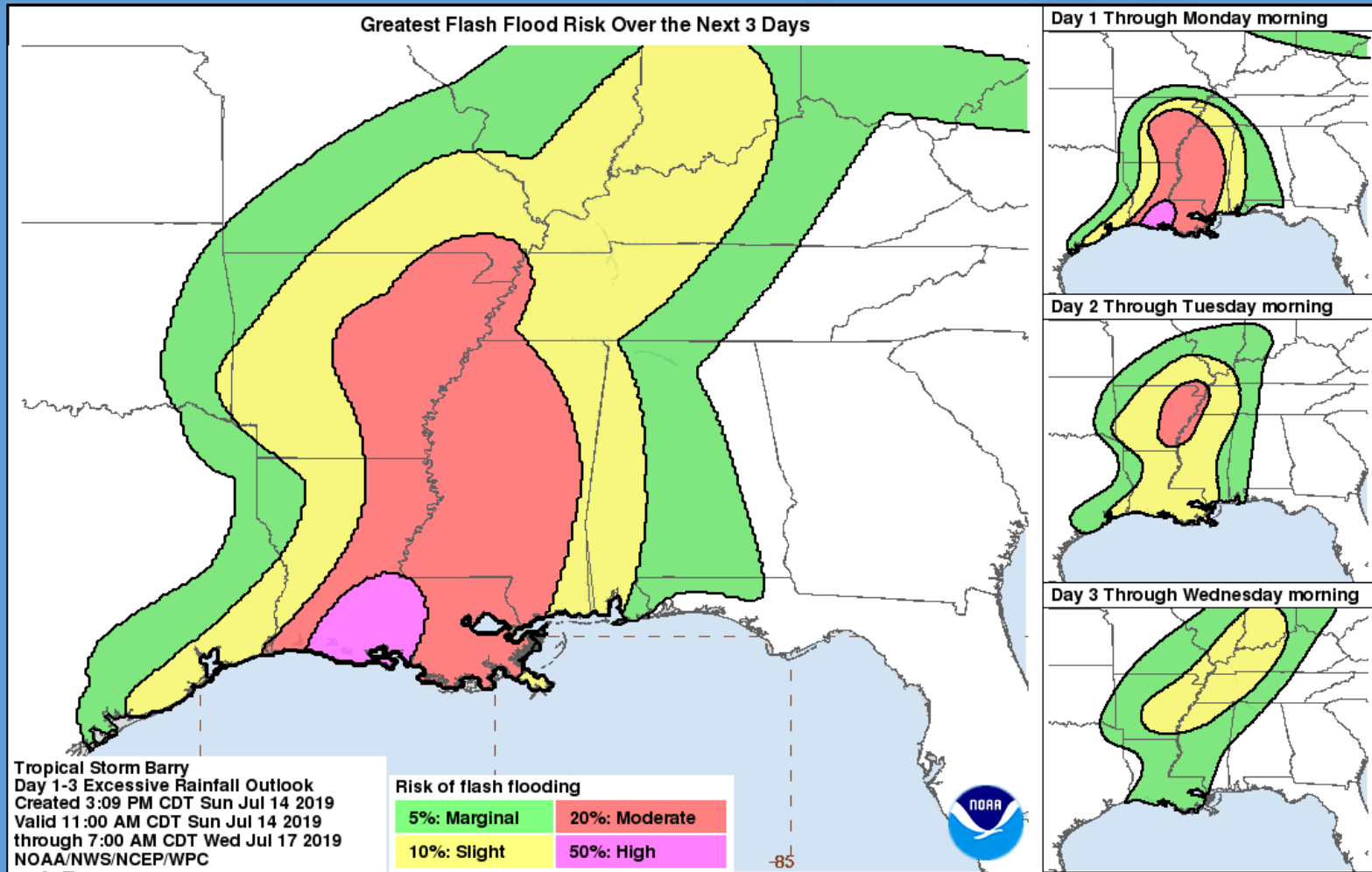
The central feature is a large radar map showing a tropical storm system over the Gulf of Mexico and the southern United States. The map includes a legend, a scale bar, and a timestamp of "8/25/2017, 7:16:00 PM".

Below the main map is a section titled "Regional Radar Sectors" with five sub-sections: "Southern Plains", "Lower Mississippi Valley", "Southeast", "Northeast", and "Puerto Rico". Each sub-section has a small radar map. The "Puerto Rico" sub-section has a message: "PREVIEW NOT AVAILABLE CLICK HERE TO SEE RADAR".

At the bottom of the screenshot, it says "Source: NOAA nowCOAST" and "Leaflet | Powered by Esri | USGS, NOAA, nowCOAST".

Click each image above to view the full size image.

Multi-Day Flash Flood Risk Graphic



- Multi-day flash flood risk graphic is now operational for CONUS tropical cyclones
- Based on the WPC Excessive Rainfall Outlook
- Displays the maximum flash flood risk at a given location during any of the next 3 days
- Timing thumbnails shown on right side of graphic

What do the Categories Mean

Understanding WPC Excessive Rainfall Risk Categories

No Area/Label

Flash floods are generally not expected.

www.wpc.ncep.noaa.gov
@NWSWPC

**MARGINAL
(MRGL)**

Isolated flash floods possible

Localized and primarily affecting places that can experience rapid runoff with heavy rainfall.

**SLIGHT
(SLGT)**

Scattered flash floods possible

Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. Isolated significant flash floods possible.

**MODERATE
(MDT)**

Numerous flash floods likely

Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.

**HIGH
(HIGH)**

Widespread flash floods expected

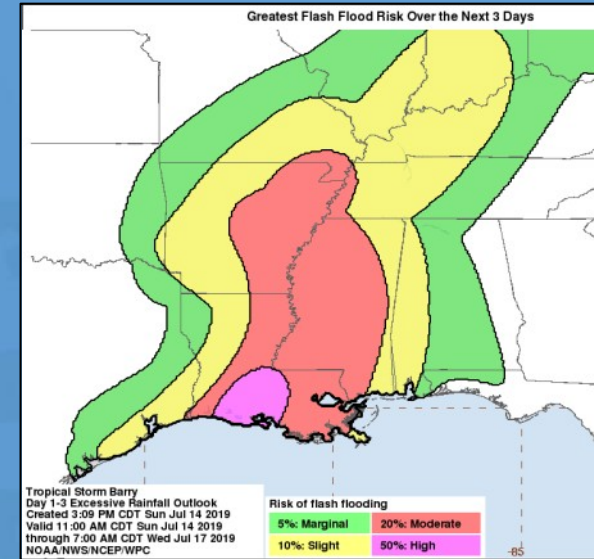
Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.

Flash flooding near me?

Flash Flooding
NO Flash Flooding

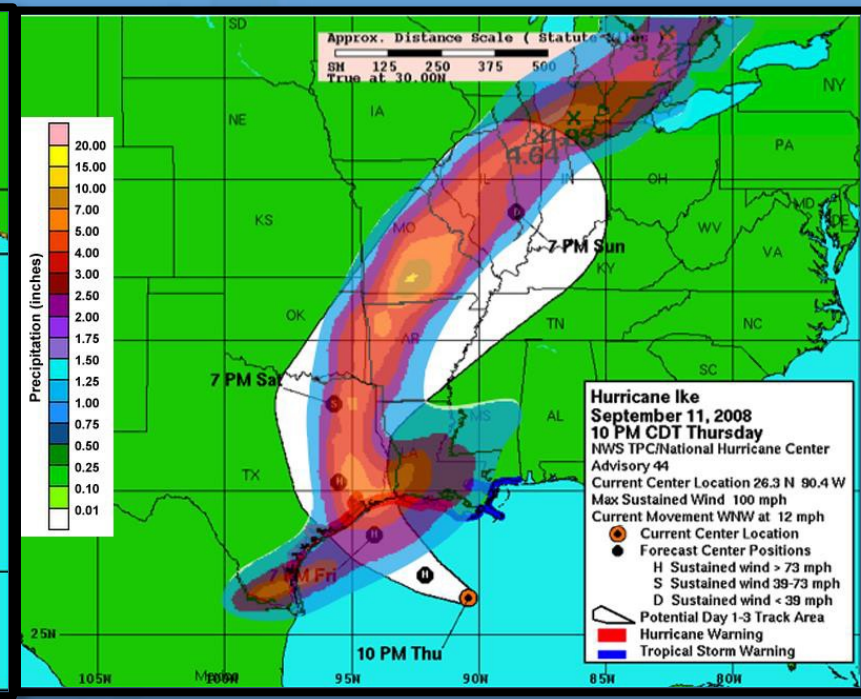
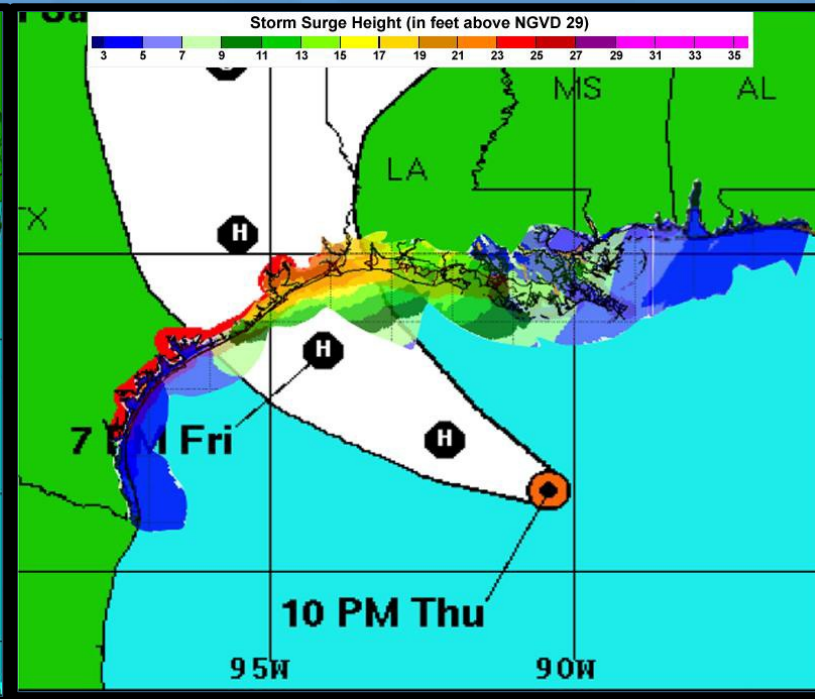
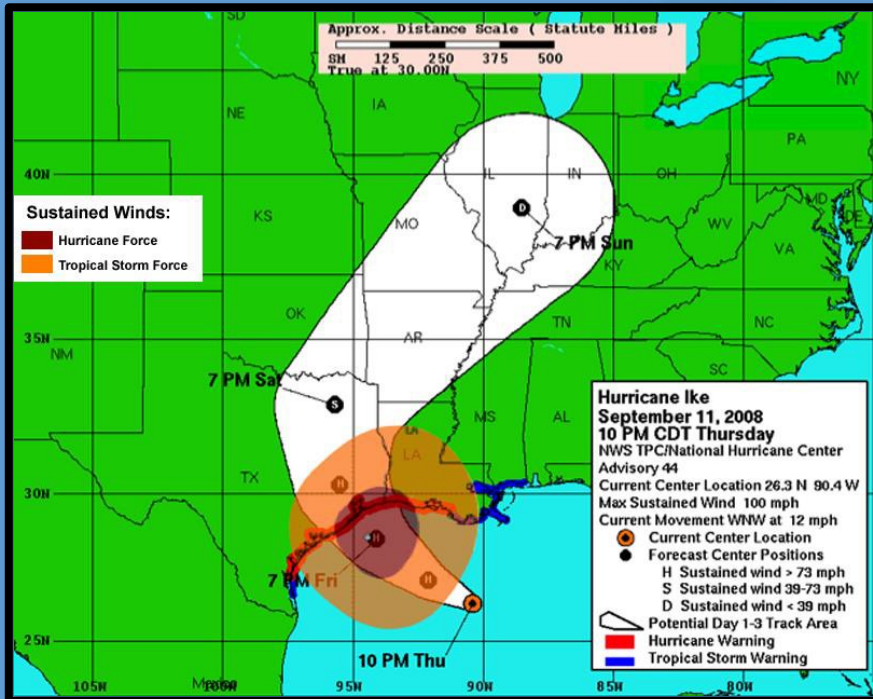


WEATHER PREDICTION CENTER



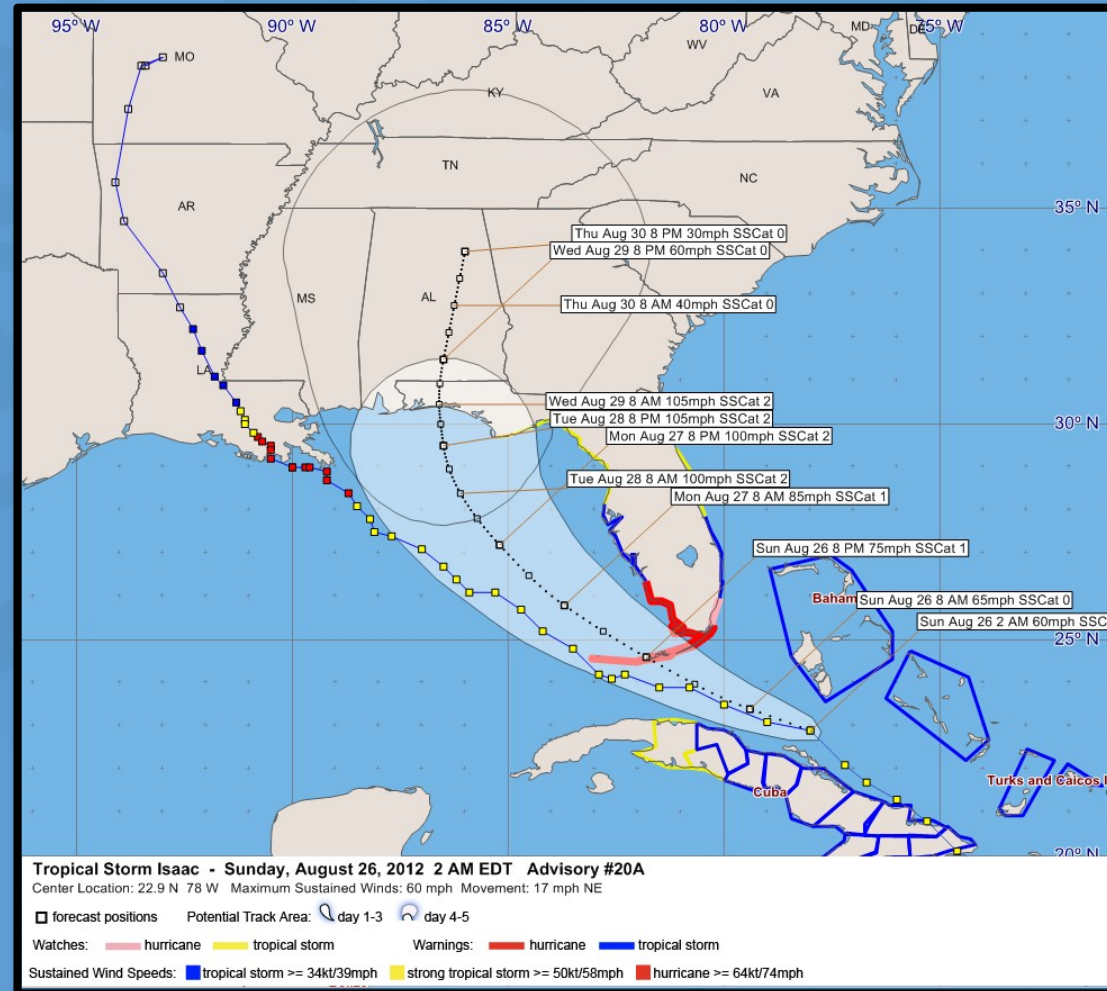
Cone of Uncertainty Caveats

- Cone only relates to the center of the tropical cyclone – it does NOT include impacts



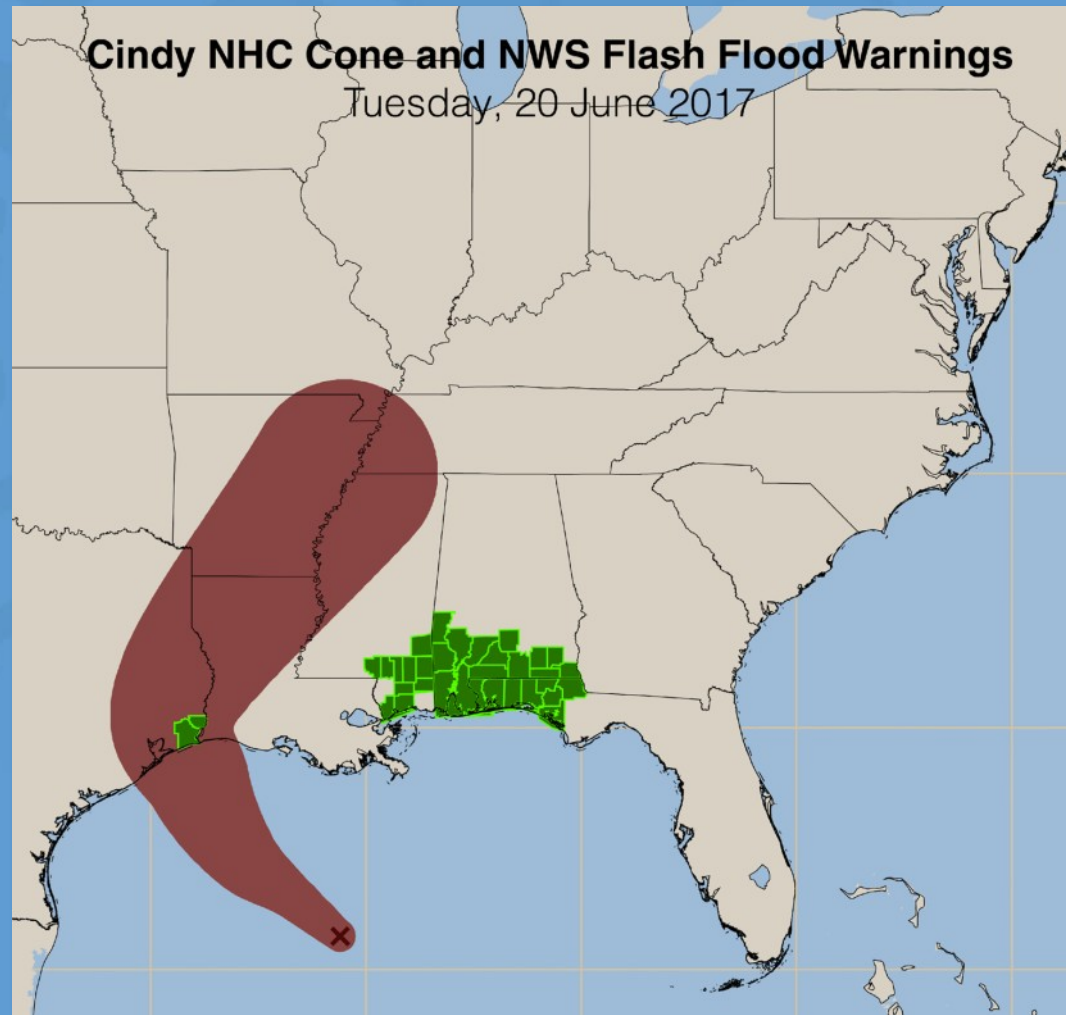
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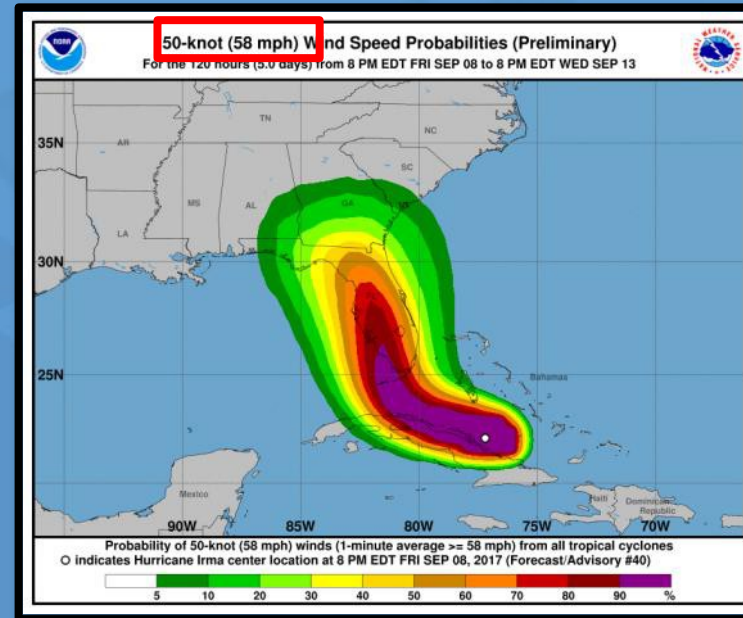
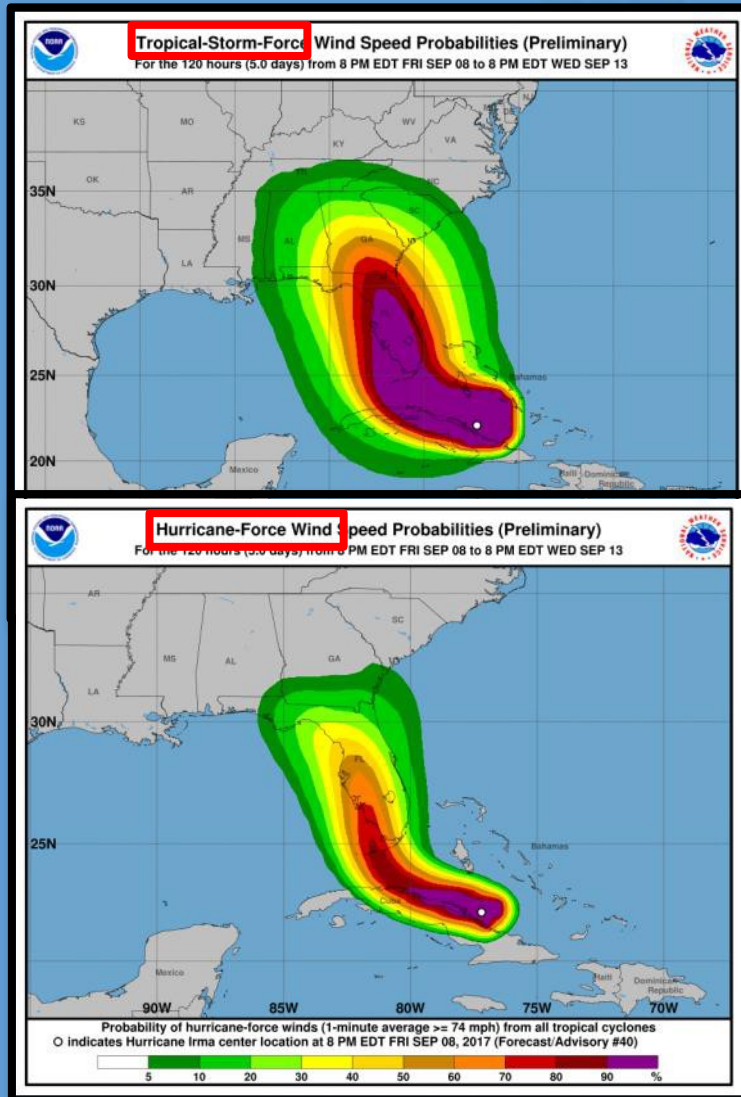


Cone of Uncertainty Caveats

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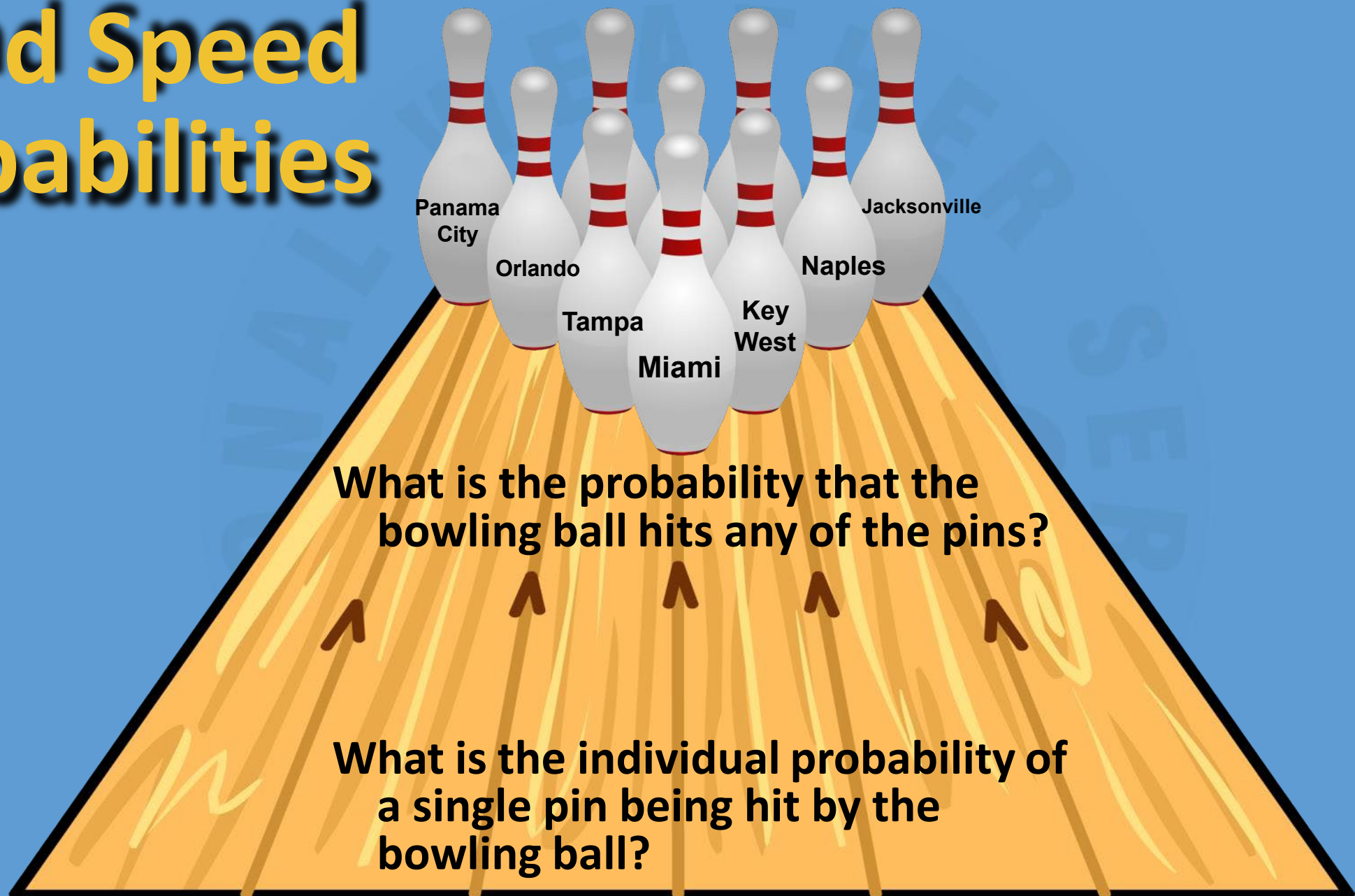
Wind Speed Probabilities



- Represents the total risk of observing these wind speed thresholds at any individual location on the map in the next **5 days**
- Takes into account more than just the “center of the storm” – think impacts!
- Accounts for wind reduction over land!

Available at www.hurricanes.gov with each advisory

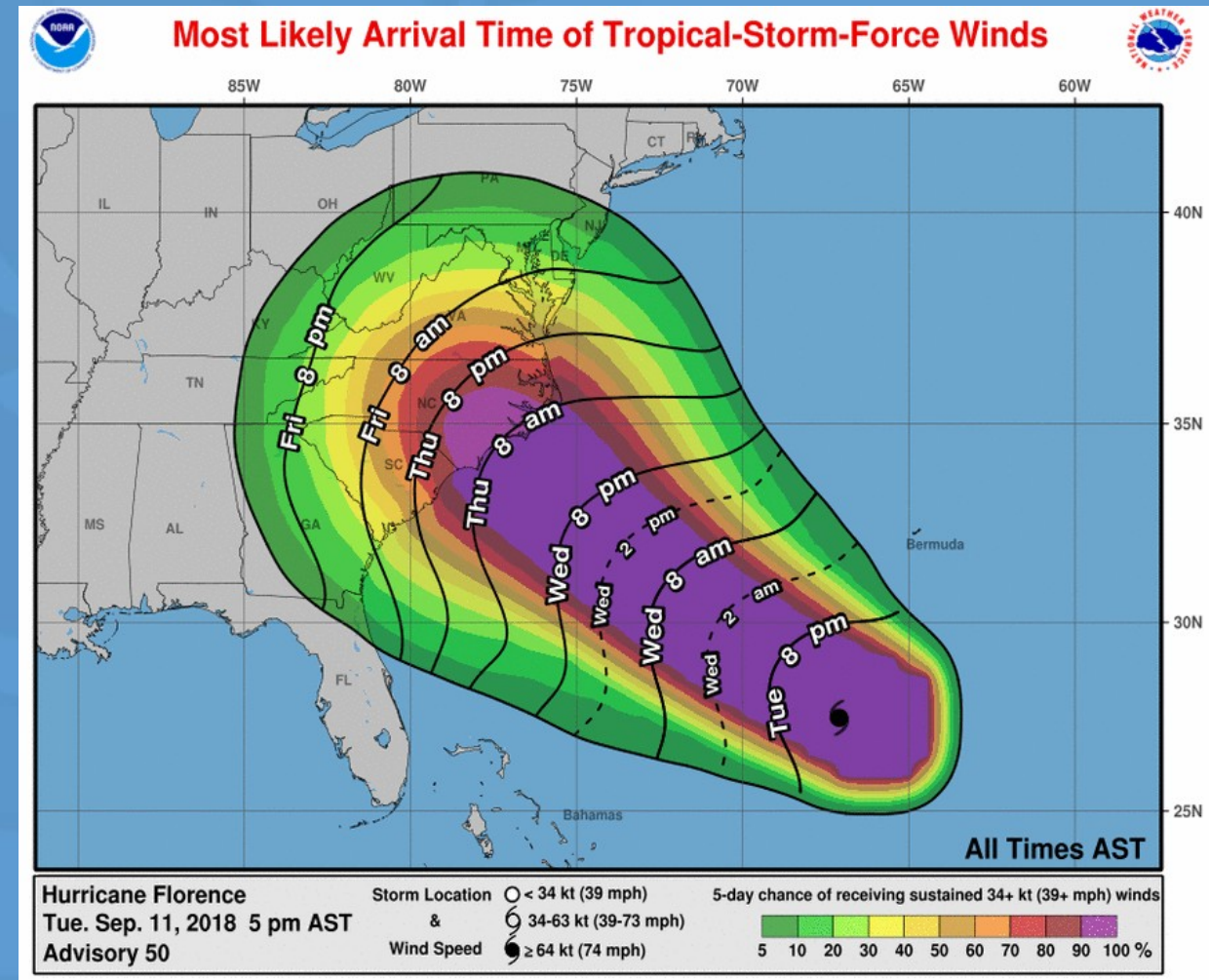
Wind Speed Probabilities



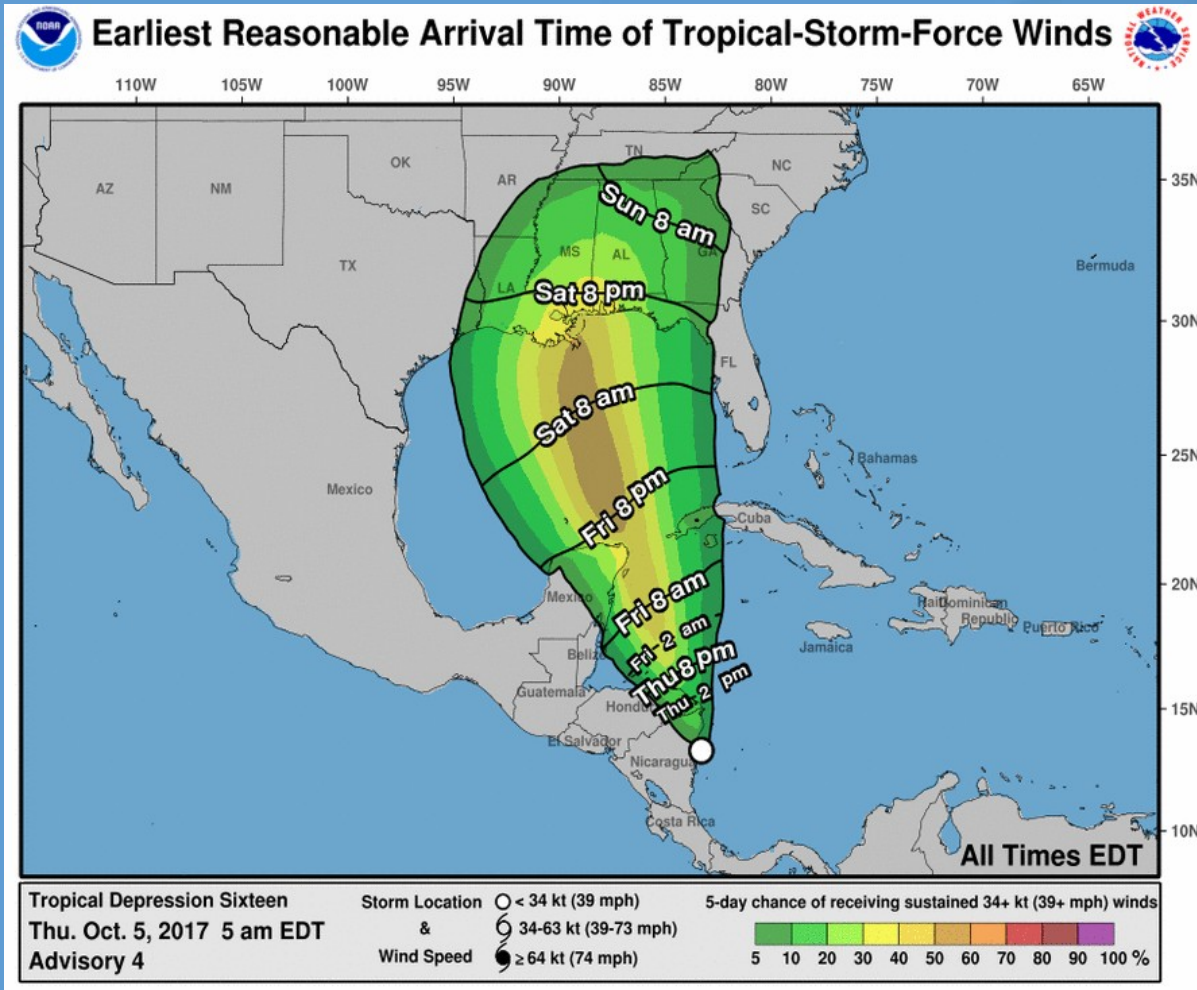
Time of Arrival Graphics

NHC Arrival Timing Graphics

- Preparations become dangerous once winds reach TS force
- Graphics account for forecast uncertainty (track/intensity/size)
- “Earliest Reasonable” graphic - best for users with low tolerance for risk
- “Most Likely” graphic - best for explaining when all preparations should be completed prior to onset of dangerous conditions



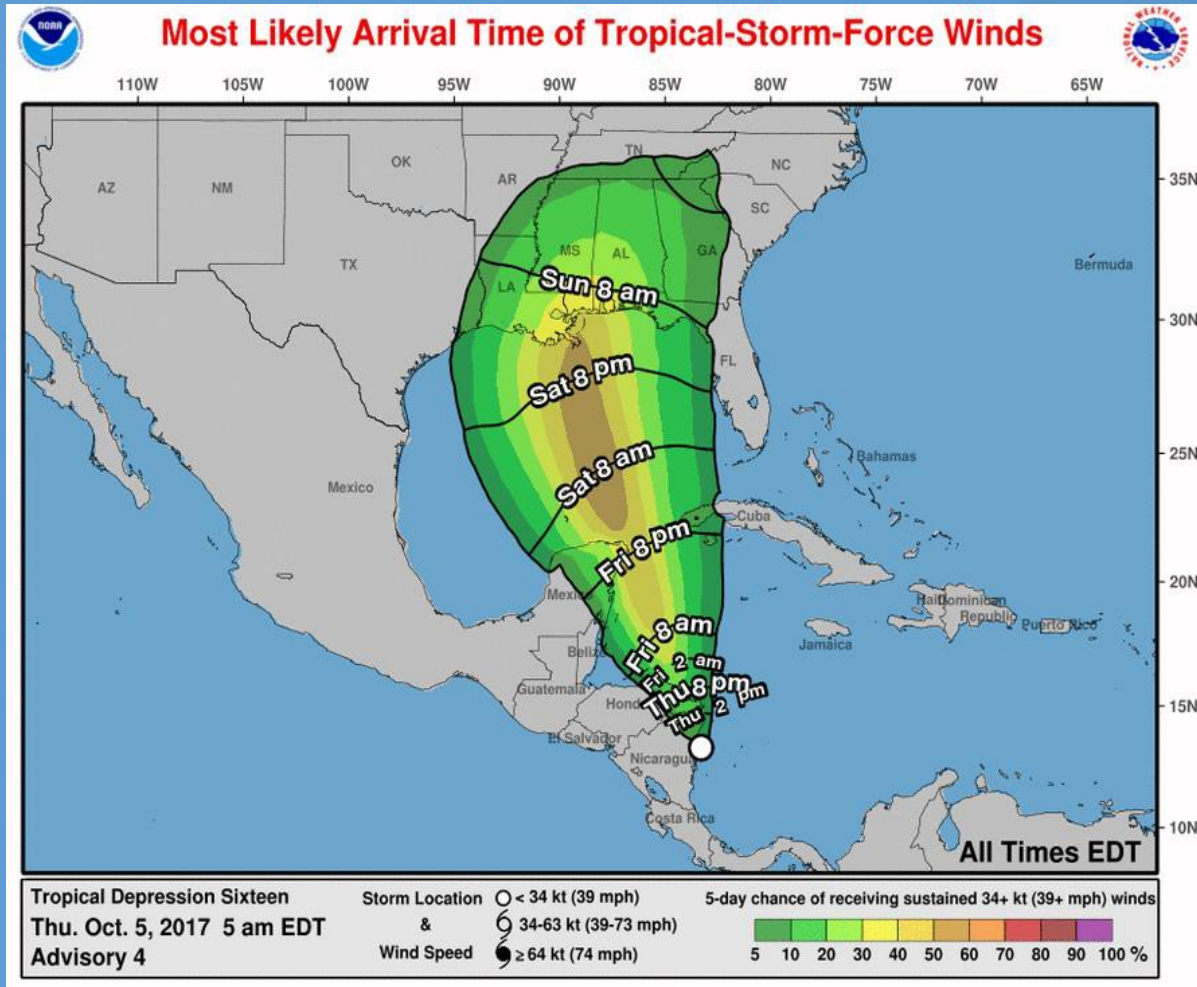
Time of Arrival Graphics



- Shows earliest reasonable arrival time of TS winds (black contours) and cumulative tropical storm-force-wind speed probabilities (colors)
- Identifies the time window that users at individual locations can safely assume will be free from TS winds
 - ≤ 10% chance of seeing sustained TS winds before the indicated time
- Best for users with low tolerance for risk

Earliest Reasonable Arrival of TS Winds

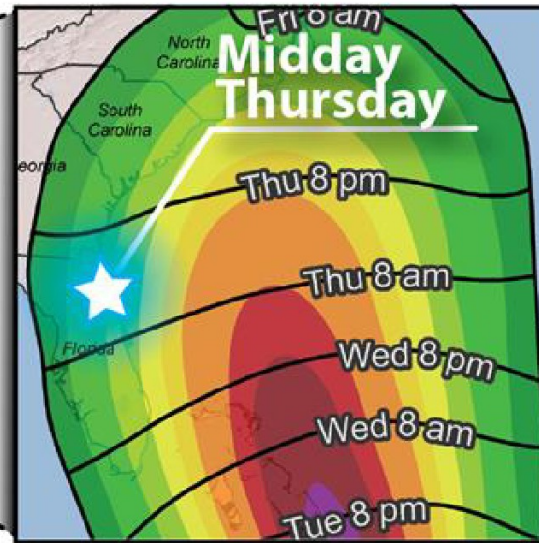
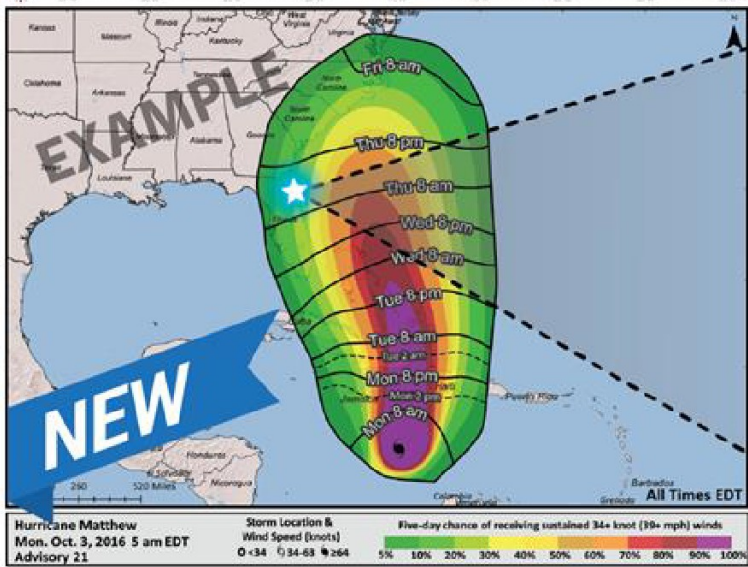
Time of Arrival Graphics



- Shows most likely arrival time of TS winds (black contours) and cumulative TS wind speed probabilities (colors)
- Shows the time before or after which the onset of sustained TS winds is equally likely
- For this example it means “There is a 50% chance of tropical storm-force-winds in Southeast Louisiana arriving prior to or after 8 pm Saturday.”

Most Likely Arrival of TS Winds

Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds

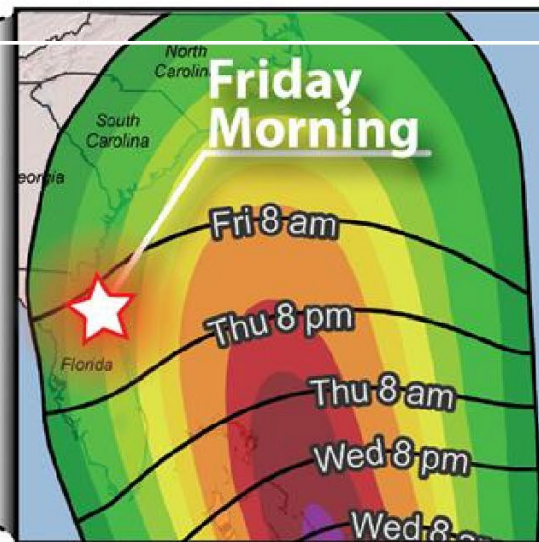
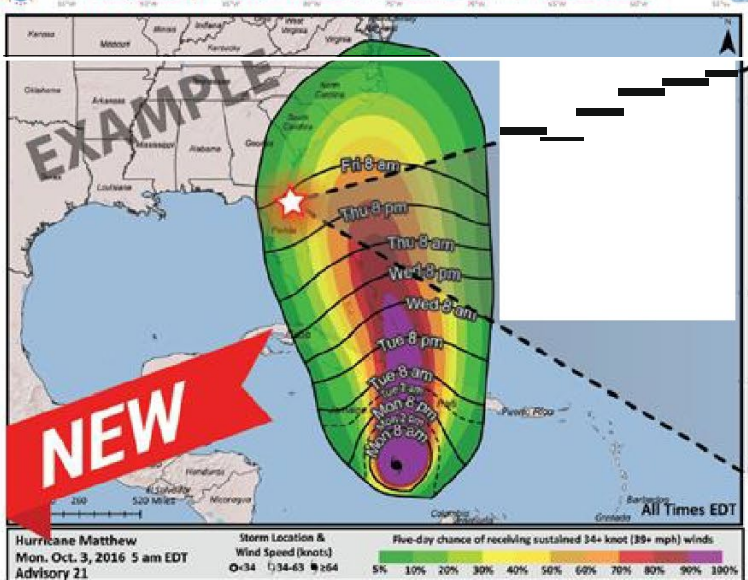


Earliest Reasonable Arrival Time of Tropical-Storm-Force Winds (39 mph or greater)

Provides the earliest reasonable time when tropical-storm-force winds could begin.

Most appropriate for people who need to be **VERY CERTAIN** that all their preparations will be complete before tropical-storm-force winds arrive.

Most Likely Arrival Time of Tropical-Storm-Force Winds



Most Likely Arrival Time of Tropical-Storm-Force Winds (39 mph or greater)

Provides the most-likely time when tropical-storm force winds could begin.

Preparations should be **ABSOLUTELY COMPLETED** by this time.

National Hurricane Preparedness Week

May 9-15, 2021

Hurricane Preparedness DETERMINE YOUR RISK



Hurricanes bring many hazards to U.S. coastlines and inland areas, including storm surge along the coast, inland flooding due to heavy rainfall, tornadoes, strong wind, rip currents and large waves.

- Storm surge
- Strong winds
- Tornadoes
- Inland flooding
- Rip currents

weather.gov/hurricane

Hurricane Preparedness DEVELOP AN EVACUATION PLAN



Find out today if you live in a hurricane evacuation zone and identify trusted sources for receiving evacuation orders. Plan for multiple options on where to go and how to get there. Have a go bag for supplies and a plan for your pets. Be prepared to leave immediately if ordered to evacuate.

- Find out if you live in an evacuation zone
- Plan several routes
- Have a go bag for supplies
- Plan for your pets
- Follow evacuation orders if given

weather.gov/hurricane

Hurricane Preparedness ASSEMBLE DISASTER SUPPLIES



Make a list of supplies and assemble them before hurricane season begins. Have enough food and water for each person for at least three days. Fill your prescriptions and have medicine on hand. Radios, batteries and phone chargers are also must-haves. Gas up your vehicle and have cash on hand.

- Food & water
- Medicine & prescriptions
- Keep gas tank full
- Radio, batteries, phone chargers
- Cash on hand

weather.gov/hurricane

Hurricane Preparedness GET AN INSURANCE CHECKUP



Check in with your insurance agency before hurricane season. Remember that flood insurance must be obtained separately. Prepare your home and vehicles according to your policy. Know where your insurance documents are located and take them with you if evacuating. Visit [floodsmart.gov](https://www.floodsmart.gov) for more.

- Check with your agent
- Keep documents with you
- Know your policy
- Consider flood insurance

weather.gov/hurricane

Hurricane Preparedness STRENGTHEN YOUR HOME



There's a lot you can do around your home to help protect it from hurricane winds. Before hurricane season, trim trees on your property and get approved window coverings. Ahead of storms, collect loose outdoor items, secure all doors on your property, and find a safe location for your vehicle.

- Cover windows
- Secure loose outdoor items
- Trim trees
- Move vehicle to a safe location
- Secure all doors

weather.gov/hurricane

Hurricane Preparedness HELP YOUR NEIGHBOR



Many people, especially senior citizens, rely on the assistance of neighbors before and after hurricanes. Help your neighbors collect the supplies they'll need before the storm. Assist them with evacuation if ordered to do so, or check on them after it's safe for you to head outside.

- Help your neighbors prepare
- Help your neighbors evacuate
- Check-in after the storm passes

weather.gov/hurricane

Hurricane Preparedness COMPLETE A WRITTEN PLAN



Writing down your hurricane plan will help you avoid mistakes during an emergency, and ensure everyone in your home is prepared for the storm. Have a list of essential contacts, including outside the potential impact area. Review and practice your plan with your family and friends.

- Have a contact list (family, friends, doctor, vet, utilities)
- Keep your important documents together for quick access
- Have at least one contact outside of the impact area
- Share your plan

weather.gov/hurricane

www.weather.gov/wrn/hurricane-preparedness

Beware False Weather Information

Trusted sources are mimicked

Trusted sources are mimicked

- Including: fake headlines, content, and graphics

Expect fake weather information with significant weather events

- before (usually sensationalized model or forecast info),
- during (regurgitated old events),
- immediately after significant events (manipulated images)

Fake information typically appears in the form of:

- sensationalized worst case scenarios,
- “hijacked” credible sources,
- the sharing of old images and manipulated graphics

Be able to identify fake weather information:

- Does the image make sense? (I.E., the right season/time, or geographic area, posted by a new account? Can it be validated through a web search?

STOP THE SPREAD OF FALSE WEATHER INFORMATION

- False weather information can go viral & impact decisions people make regarding their own safety & the safety of their families.



Example of “hijacked” credible source using NOAA logo



We Want to Hear From You



The NWS Tropical Program collects feedback on the products and services highlighted in this presentation.

Submit feedback to the NWS Tropical Program:

Tropical.Program@noaa.gov



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Special Needs Sheltering Updates

Gail Stewart, DOH Leon

Leon County
Special Needs
Host & Risk
Shelter

2021



*Day One
of
Hurricane Season
June 1, 2021*

Overview

- 2021 Hurricane Season Projections
- Special Needs Shelter, Planning and Response
- SpNS Client Readiness and Care
- Shelter Activation and Operation
- Demobilization



'Average' Atlantic Hurricane Season

*** Effective 2021**

1981-2010

**12 Named Storms
6 Hurricanes
3 Major Hurricanes**



1991-2020

**14 Named Storms
7 Hurricanes
3 Major Hurricanes**

* Numbers for an average season reflect the climate record for tropical storms and hurricanes and use the most recent 3 decades as the period of reference. More at: <http://bit.ly/NOAAHurricaneSeasonAverages>



Be prepared: Visit hurricanes.gov and follow @NWS and @NHC_Atlantic on Twitter.

Issued 4/9/21

2021Hurricane Season

- Hurricane Season is expected to be more active than average this year
 - 16-20 Named storms
 - 7-10 Hurricanes
 - 3-5 Major Hurricanes
- Shelters Modifications-Covid-19 screening and social distancing in accordance with “current” CDC Guidance
- Masks will be encouraged



■ Tropical Cyclone Names 2021

The
Weather
Channel

Atlantic Basin

~~Ana~~

Grace

Mindy

Teresa

Bill

Henri

Nicholas

Victor

Claudette

Ida

Odette

Wanda

Danny

Julian

Peter

Elsa

Kate

Rose

Fred

Larry

Sam

Personal/Family Preparedness Plan



- Get family, pets and home ready
- Ready Go Bag to include Food, Snacks, Medication refill Rx, phone charger, clothes and extra footwear
- Charge electronics, write down important numbers
- Have a family contact outside of area
- Take a video of your home with serial numbers
- Important papers, insurance ... (cloud, thumb-drive, waterproof box)
- Have cash
- Have medical devices ready
- Arrange transportation or have vehicle fueled
- Water and nonperishables

Florida Department of Health (FDOH)

Emergency Duty

- Staff are subject to mandatory emergency duty to meet the needs of an emergency, disaster or public health emergency response (DOHP 60-40-13, Emergency Duty and Deployment Policy)
- Exemptions from emergency duty may be granted on a temporary basis, for a specific period of time, or for specific situations
- Exemptions may also be granted for certain types of emergency duty

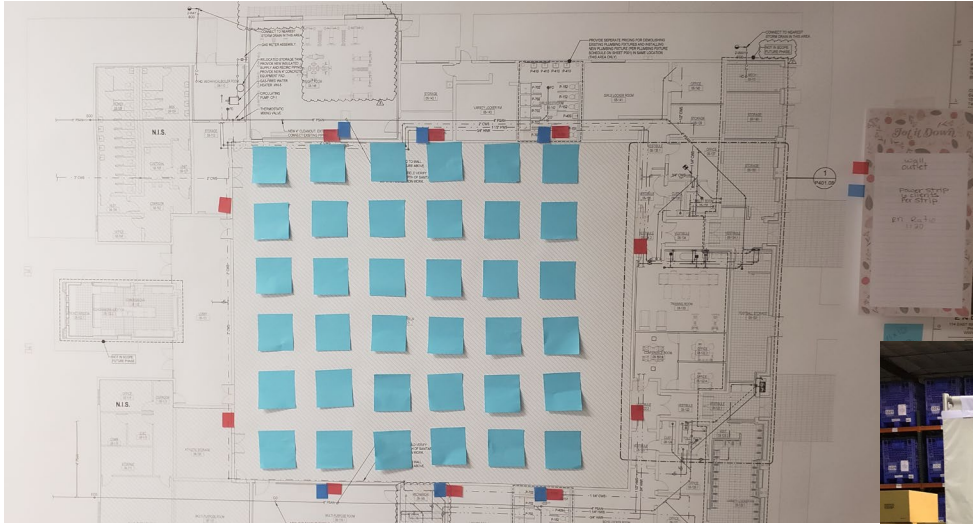
SpNS Registration Program Challenges



- Registration rosters may not be accurate
- Host from other places in FL
- Encourage a plan outside sheltering
- *Lifeboat not a Cruise Ship*
- Not an acute care facility
- Clients spontaneous arrive
- Some do not meet criteria
- Family reunions, encourage one caregiver

<https://snr.flhealthresponse.com/>


Planning and Activation



SpNS Registration Program

To assist in identifying persons with special needs, home health agencies, hospices, nurse registries, home medical equipment providers, the Department of Children and Families, the Department of Health, the Agency for Health Care Administration, the Department of Education, the Agency for Persons with Disabilities, the Department of Elderly Affairs, and memory disorder clinics shall, and any physician licensed under chapter 458 or chapter 459 and any pharmacy licensed under chapter 465 may, annually provide registration information to all of their special needs clients or their caregivers.

Florida Special Needs Registry




Create an Account

You may create a new account for the Florida Special Needs Registry. If you already have an account, please select the Return to Log In button to return to the Log In page.

*First Name Enter first name...	*Last Name Enter last name...
*Email Enter email...	
*County Select One	Select your Florida county of residence, or select the Out of State option. You may register individuals in any county utilizing the Florida Special Needs Registry, regardless of your county of residence selection.

[← Return to Log In](#) * Required Fields [Create Account](#)

 Supported by Florida Department of Health
FloridaHealth.gov

<https://snr.flhealthresponse.com/>

Condition	Level By Shelter Type		
	American Red Cross (ARC) General Shelter	Special Needs Shelter (SpNS)	Medical Management Facility (Hospital or Nursing Home)
Alzheimer's Disease / Dementia	Early	Progressive	Advanced / Total Care
Ambulation (walker, cane, crutches, wheelchair) <ul style="list-style-type: none"> Arthritis Osteoporosis Parkinson's Disease Multiple Sclerosis Muscular Dystrophy Neuromuscular Disorders 	✓	Assistance required	Bedridden
Aphasia (difficulty communicating)	✓	Combined with other conditions	
Cardiac abnormalities	Stable	Controlled	Unstable
Contagious diseases or infection *MRSA		Consult with local CHD	✓
Dialysis	✓	Combined with other conditions	
Diabetes/Hyperglycemia	Insulin and diet controlled	Requires assistance	
Eating and swallowing disorders	✓	Require assistance / Tube feeding	
Ileostomy / Colostomy	✓	Combined with other conditions	
Neurological Deficit		✓	Incoherent/Total care
Psychosis	Controlled	Requires caregiver	Uncontrolled
Respiratory <ul style="list-style-type: none"> Asthma/Chronic Obstructive Pulmonary Disease (COPD) Emphysema 	✓	Oxygen Dependent	Ventilator Dependent
Seizures	Controlled	Medication assistance required	Uncontrolled
Sleep Apnea	Not-mechanically dependent	Mechanically dependent	
Wheelchair Transferable	Mobile with minimal assistance	Wheelchair bound with complicating conditions	
Wounds *MRSA	Uncomplicated	Open draining wounds, dressing changes, complicated treatments	

- ONE Caregiver
- Medications
- Power dependent medical equipment*
- Medical Supplies
- Mobility devices
- Comfort Supplies
- Special diet nonperishable food/snacks
- Pets with supplies and carrier

• *(not just phone charging)

Special Needs Care

- During periods of evacuation or emergency requires sheltering assistance due to physical impairment, mental impairment, cognitive impairment or sensory disabilities that exceeds the basic level of care provided at the general population shelter but does not require the level of care provided at a skilled medical facility
- stable medical condition, requires periodic observation, assessment and maintenance (such as: glucose readings, vital signs, ostomy care urinary catheter)
- periodic wound care assistance (dressing changes). NOT MRSA
- limitations requires assistance with activities of daily living
- assistance with medication-oral, subcutaneous or intramuscular injectable or topical
- minimal assistance with ambulation, position change and transfer (able to move more than 100 feet with or without an assistive device)
- manually supplied oxygen
- medically dependent on uninterrupted electricity for therapies including but not limited to oxygen, nebulizer, and feeding tubes
- ventilator dependent persons and persons with multiple special needs requiring a higher level of care may need a referral to a skilled medical facility
- accompanied by an appropriate fulltime caregiver for the duration of shelter stay, a person with mental or cognitive limitations requires assistance or full-time care
- a body weight not exceeding the safety weight restrictions of provided cots
- can be safely transferred and does not require specialty lifting or transferring equipment
- persons requiring a stretcher to be transported may need to be referred to a higher skilled facility

Suggested Guidance

(local decision)

- 6 Ft. Distancing
 - Due to the prevalence of disease in communities
- Mask optional
- Screening for respiratory illness only
 - If sick separate from others
 - May move to health care facility if there is time
- Offer vaccine at discharge
 - The CHD can provide the vaccine earlier, as long as it does not interfere with the onboarding of shelter residents



SpNS Shelter

DOH Leon is a Risk Shelter for Leon and a Host shelter for Jefferson, Wakulla, Franklin, Taylor

Curbside Triage

6 feet social distance with 110 Sq. Ft. per client and caregiver, privacy screens and floor marks

40 clients in gym on cots, campus wide generator power, areas will be opened as need arises

Sanitizing areas and PPE available

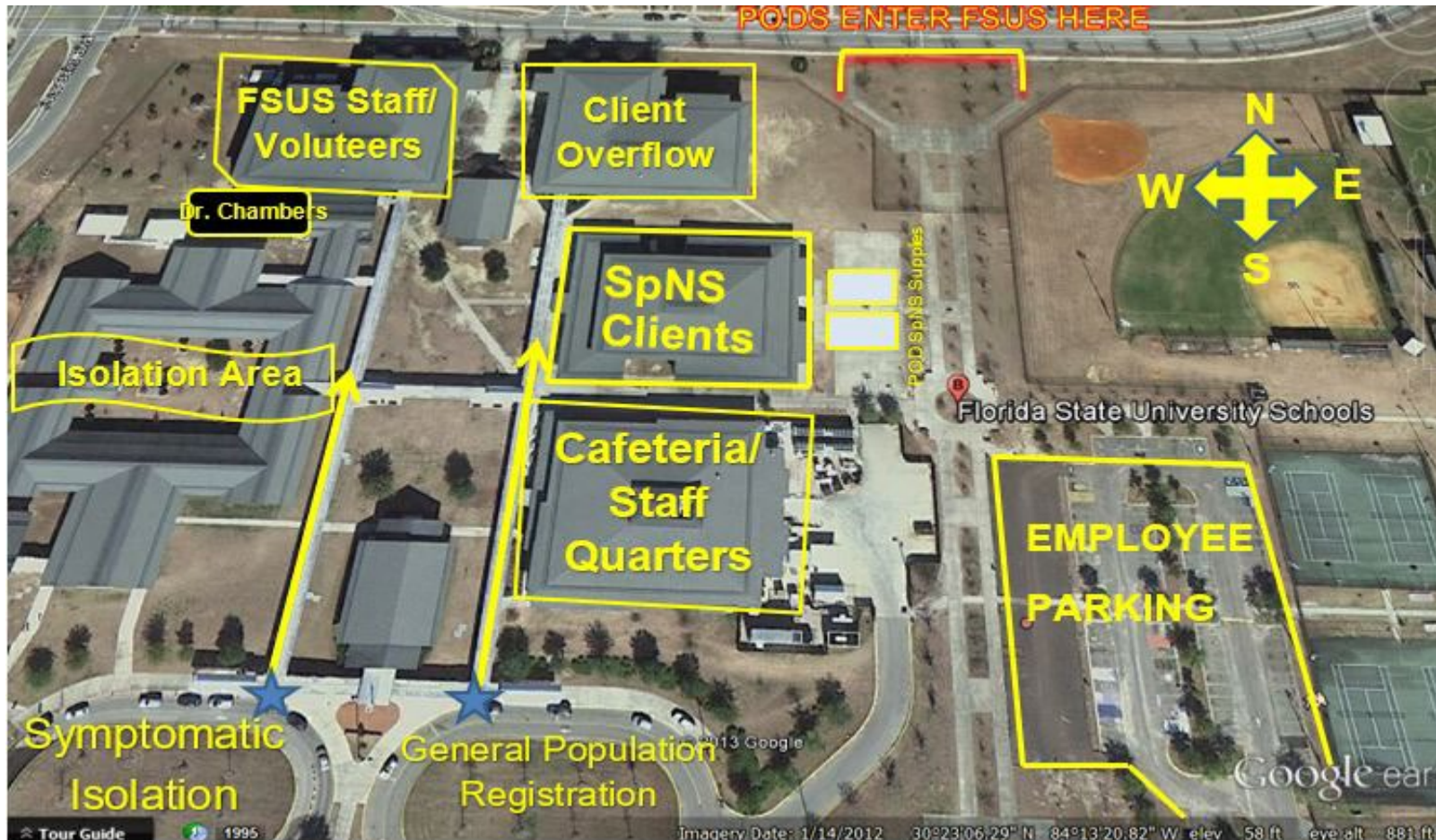
Isolation for sick

Pet friendly

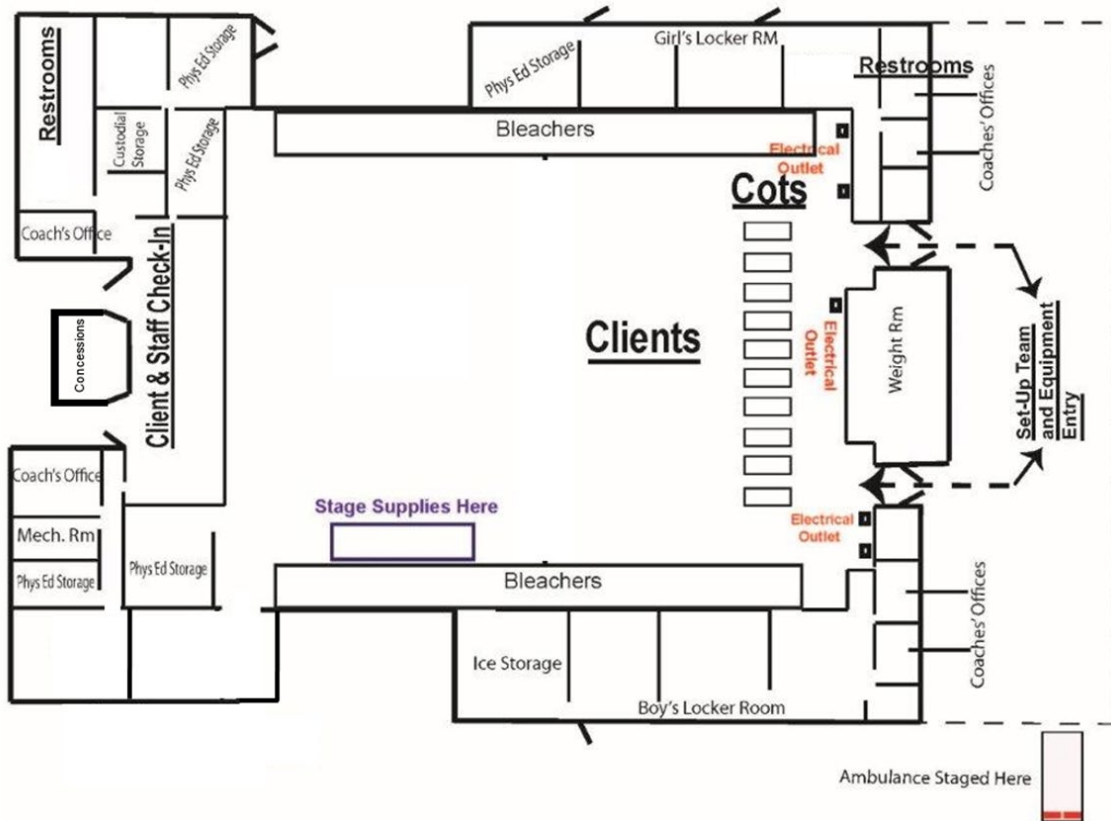
Rely upon augmented staffing



School Layout



Client Intake Process



- Weather
- Curbside Triage area, health status assessed
- Sign In log for Employees, Clients, Caregivers and Volunteers
- Well Clients and Symptomatic Clients separated
- Triage done in vehicle
- CDC guidelines
- Two Registration Areas
- Encourage masks and provide PPE
- Sanitizing stations with hand sanitizer at each Registration area.
- Cavicide wipes to clean clipboards, pens and tables
- Plexiglass divider at sign in area
- RN ratio:1 to 20 clients

Demobilization

- Client home must have electricity and home structurally sound
 - power pings
 - by field team
- Transportation for client arranged
- Gather belongings, medical equipment and pets
- Confirmation the client arrived home safely
- Shelter demobilized
 - Equipment cleaned
 - Supplies restocked
 - Paperwork secured



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Please direct questions to:

- Skyler Warren, Preparedness Planner
850-404-6250
850-694-3957

Skyler.Warren@flhealth.gov

- Gail A Stewart, Preparedness Manager

850-251—2019

Gail.Stewart@flhealth.gov



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BBHCC Plan Update

Denise Imbler, BBHCC Staff

- Infectious Disease
- Preparedness
- Operations
- COOP



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2020-2021 Member Project Funding Updates

Anthony Carpanini, BBHCC Staff



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Training and Exercise Update

Zach Annett, BBHCC Staff

- CMS Active Shooter Tabletops
- Pediatric / Burn Surge Workshops
- Hurricane Preparedness Tabletops
- Cyber Security Workshops
- Volunteer Management Training



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Quarterly Meeting Dates

Zach Annett, BBHCC Staff

- Q1 - September 7th, 2021
- Q2 - December 7th, 2021
- Q3 - March 8th, 2022
- Q4 - June 7th, 2022



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Coalition Member and Partner Updates

Philip Doyle
Tallahassee Memorial Hospital, Chair



Serving Franklin, Gadsden, Gulf, Jefferson, Leon, Madison, Taylor & Wakulla counties

Next Big Bend HCC General Membership Meeting

The date of the next general member meeting is **September 7, 2021**