

Emergency Preparedness

Hurricane Preparedness



**Federal Aviation
Administration**



2023 Hurricane Season Forecasts

Atlantic Basin

- Season: June 1 – November 30
- Named Storms: 12-17
- Hurricanes: 5-9
- Major (Cat 3+) Hurricanes: 1-4

Pacific Basin

- Season: May 15 – November 30





2023 Atlantic Tropical Cyclone Names

Arlene
Bret
Cindy
Don
Emily
Franklin
Gert

Harold
Idalia
Jose
Katia
Lee
Margot
Nigel

Ophelia
Philippe
Rina
Sean
Tammy
Vince
Whitney

Names provided by the World Meteorological Organization

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

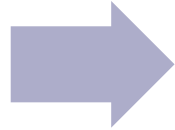
May 2023



Hurricane Preparedness Considerations

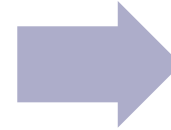
Consider all Hazards

- @90% of hurricane deaths involve water: storm surge, inland flooding, rip currents
- Hurricanes can create tornados, even in the outer bands
- Hazardous conditions occur well ahead and after landfall



Focus on Potential Impacts

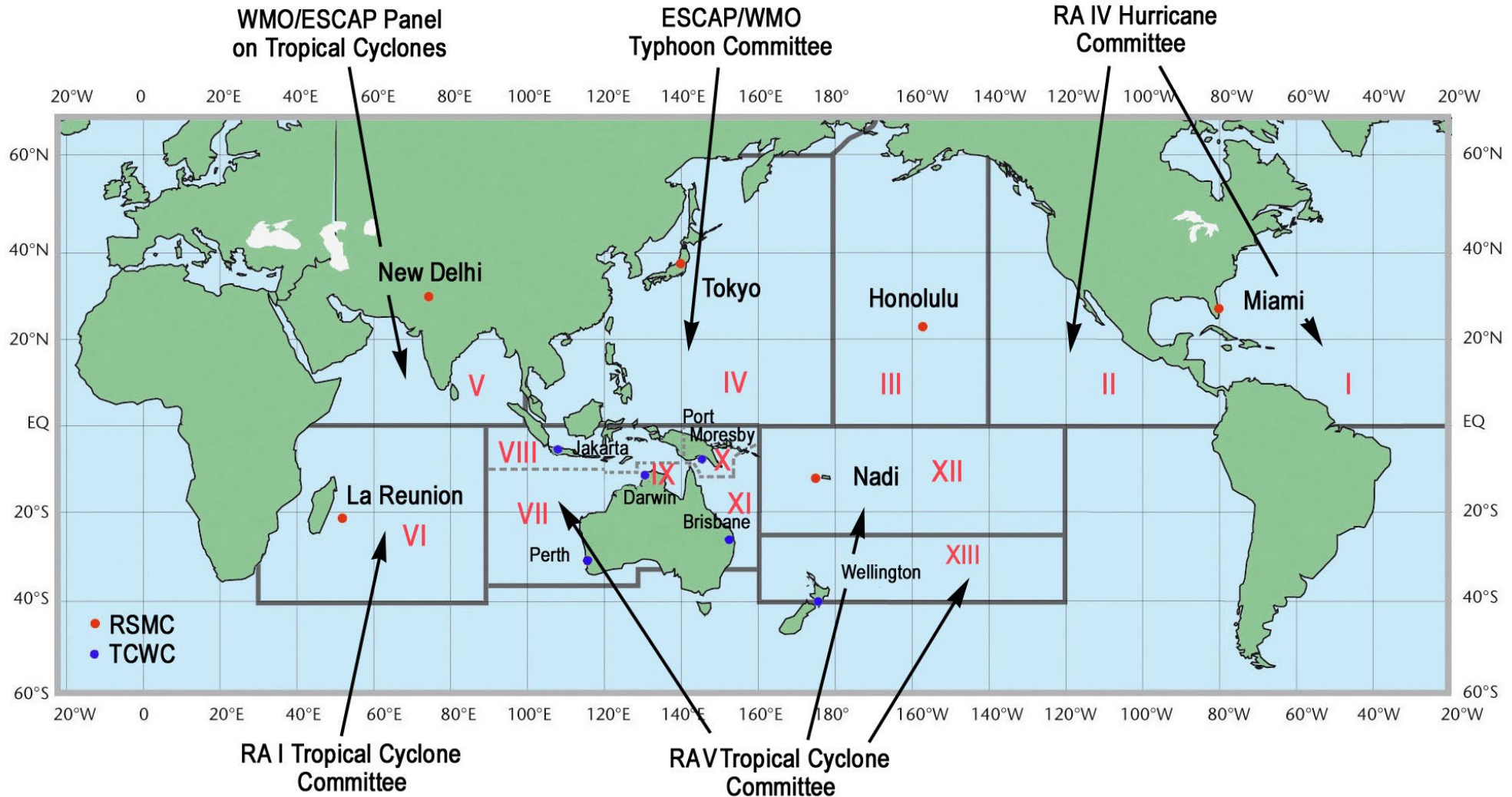
- Storm scale isn't a direct corollary to damage potential
- Impacts will be felt far from the storm's eye
- **All Storms are Different**



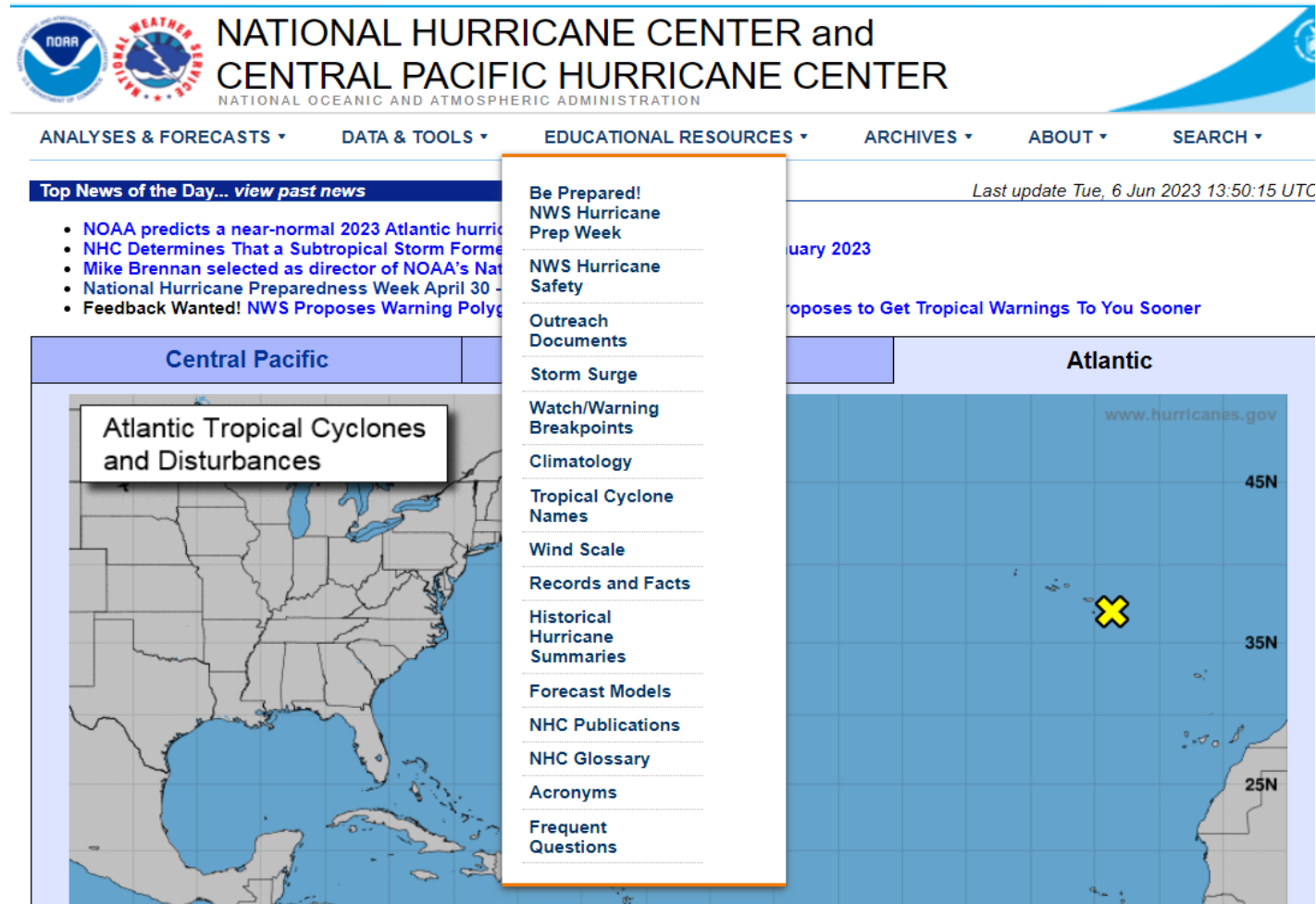
Use the NHC Forecast / Beware of Unreliable Sources

- Interagency uses the National Hurricane Center modeling and forecasts
- Be cautious of sensational headlines
- Sign up for emergency notifications from trusted sources

Worldwide Tropical Cycle Centers



National Hurricane Center



The screenshot shows the National Hurricane Center website. At the top, there are logos for NOAA and the National Weather Service, followed by the text "NATIONAL HURRICANE CENTER and CENTRAL PACIFIC HURRICANE CENTER" and "NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". Below this is a navigation bar with links: ANALYSES & FORECASTS, DATA & TOOLS, EDUCATIONAL RESOURCES, ARCHIVES, ABOUT, and SEARCH. A "Top News of the Day" section lists several items, including "NOAA predicts a near-normal 2023 Atlantic hurricane season" and "Mike Brennan selected as director of NOAA's National Hurricane Center". A central menu lists various resources: Be Prepared! NWS Hurricane Prep Week, NWS Hurricane Safety, Outreach Documents, Storm Surge, Watch/Warning Breakpoints, Climatology, Tropical Cyclone Names, Wind Scale, Records and Facts, Historical Hurricane Summaries, Forecast Models, NHC Publications, NHC Glossary, Acronyms, and Frequent Questions. The main content area is divided into two sections: "Central Pacific" and "Atlantic". The "Atlantic" section features a map of the Atlantic Ocean with a yellow 'X' marking a location. A text box over the map reads "Atlantic Tropical Cyclones and Disturbances".

Top News of the Day... view past news

- NOAA predicts a near-normal 2023 Atlantic hurricane season
- NHC Determines That a Subtropical Storm Formed
- Mike Brennan selected as director of NOAA's National Hurricane Center
- National Hurricane Preparedness Week April 30 - May 6
- Feedback Wanted! NWS Proposes Warning Policy Changes

Central Pacific

Atlantic

Atlantic Tropical Cyclones and Disturbances

Be Prepared! NWS Hurricane Prep Week

NWS Hurricane Safety

Outreach Documents

Storm Surge

Watch/Warning Breakpoints

Climatology

Tropical Cyclone Names

Wind Scale

Records and Facts

Historical Hurricane Summaries

Forecast Models

NHC Publications

NHC Glossary

Acronyms

Frequent Questions

Atlantic

www.hurricanes.gov

45N

35N

25N

<https://www.nhc.noaa.gov/>

National Weather Service Products

Wind-related Products

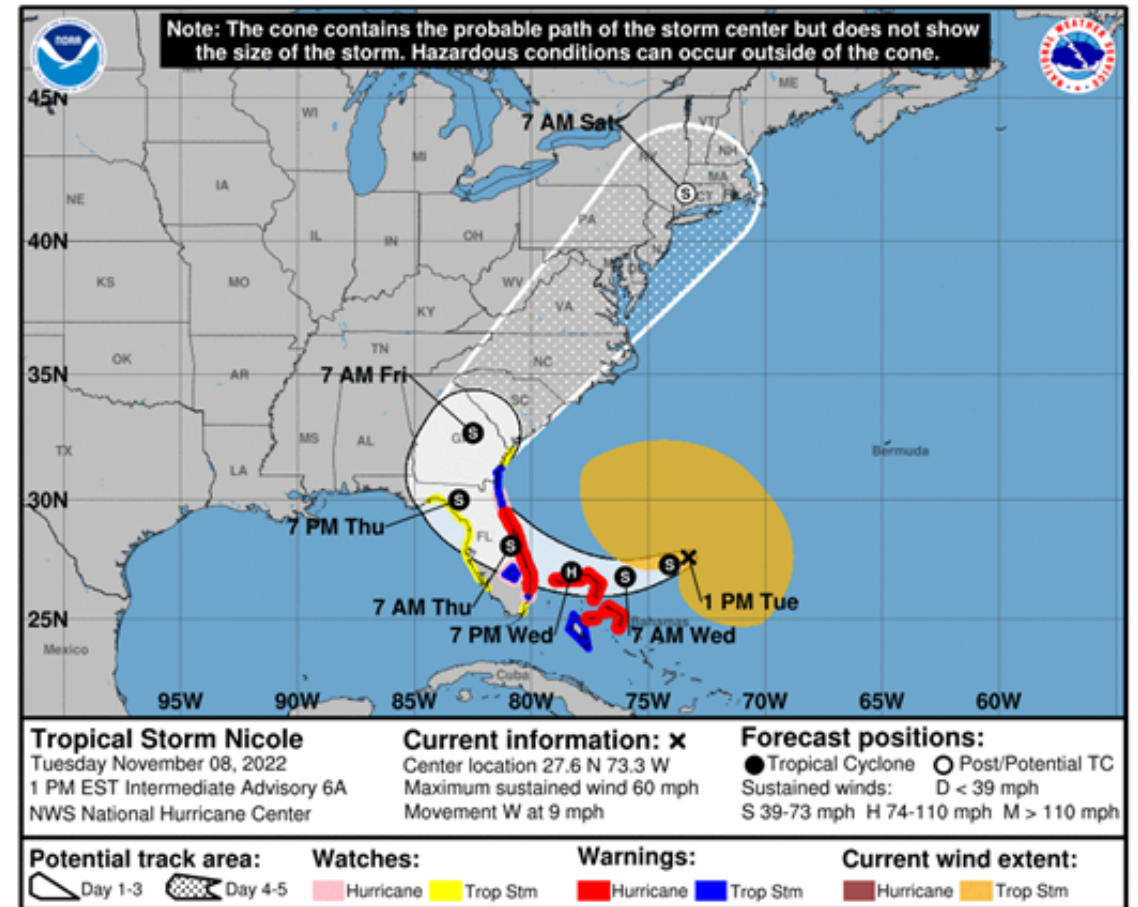
- **Tropical Weather Outlook**
- Advisories
- Forecast Discussion
- Forecast Error Cone
- Wind Speed Probabilities
- Wind Speed Arrival Timing
- Wind-based Watches & Warnings

Water-related Products

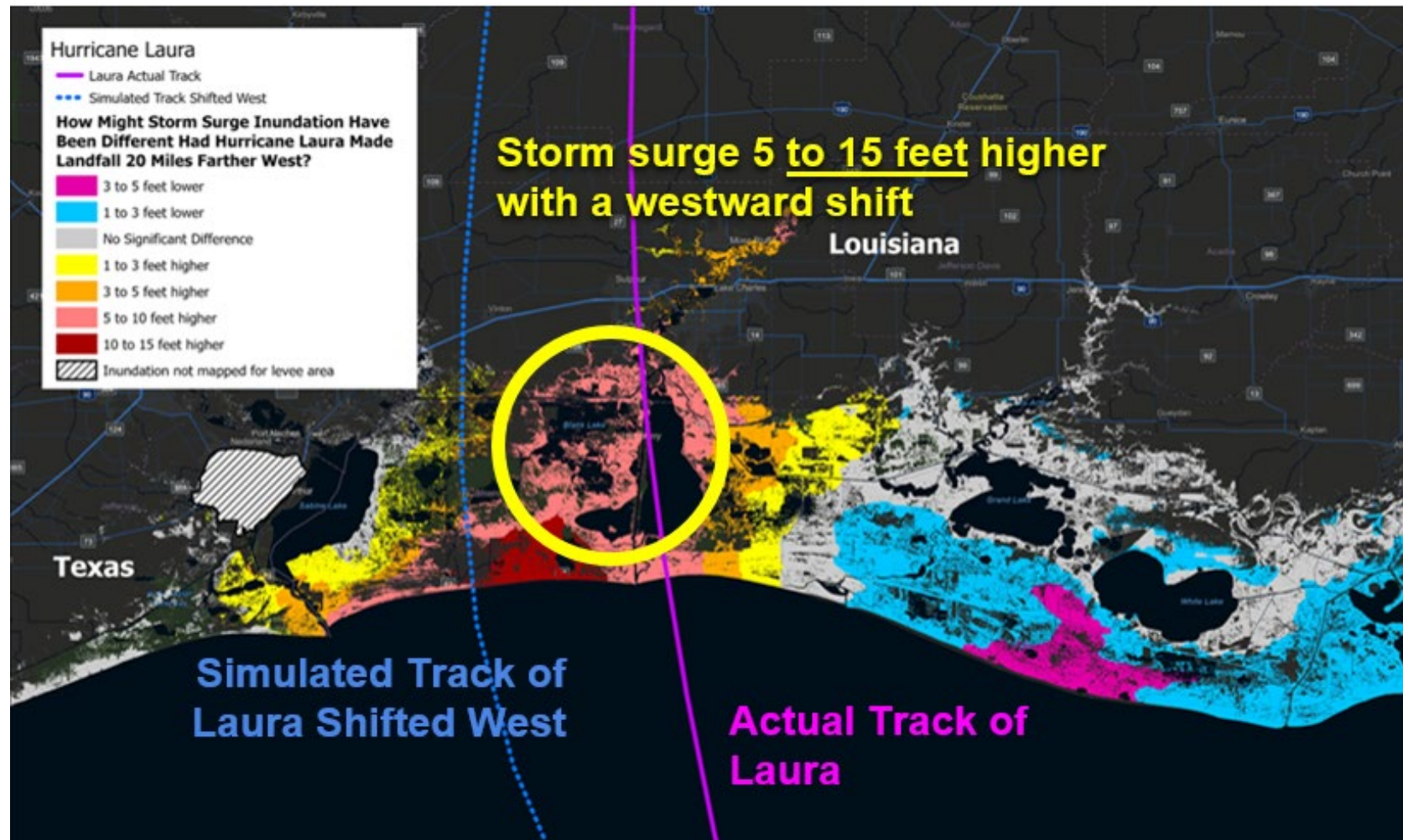
- **Storm Surge Watches & Warnings**
- Rainfall Forecasts
 - Quantitative Precipitation Forecast
 - Excessive Rain Outlook
- Hydrographs
- Flash Flood Warnings
- Flood Warnings
- Severe Weather Outlook

How to Interpret the NHC Tropical Weather Outlook

- The cone **does not** take the size of the storm into account.
- The size of the cone is drawn so that about **two-thirds of the time**, the center of the storm will remain in the cone.
- The cone indicates the forecast up to **seven** days out from the last recorded position of the storm.



Little Wiggles Matter



Questions and Feedback

