HURREVAC

Guide to the Workspace

NATIONAL HURRICANE PROGRAM

Storm Tools

Forecast layers for the selected storm.

- **Forecast Wind Field**
- **Wind Swath**
  - 3 options
- **Potential Track Area**
  - Error Cone, plus Fringe Wind
- **Graphical Wind Probabilities**
  - TS, Strong TS, Hurricane
- **Location-Based Wind Probabilities**
- **Tropical-Storm-Force Wind Timing Graphic**
  - Earliest Reasonable, Most Likely
  - Right-click on data to place flags
- **Watches and Warnings**
  - Wind and Storm Surge
- **Peak Storm Surge**
  - Communication Points option
- **Potential Storm Surge Flooding**
  - Tidal Mask option
- **Track and Swath Options**
- **Quick Layers** (opacity control)
- **Map Location Context Menu** (acts as right-click for touch devices)
- **Reset Storm Tools**

Storm Status Bar

The displayed storm, advisory, forecast hour, and valid time are indicated here. Controls are provided for navigating to earlier or later advisory numbers and forecast hours.

Keyboard shortcut: use left/right arrows to navigate advisories, and up/down arrows to change forecast hour.

Notifications

System-generated dialogs automatically appear at upper right. The HURREVAC team sends time-sensitive updates to all users when necessary.

A red dot means there is new info available to read by opening the Notification Center.
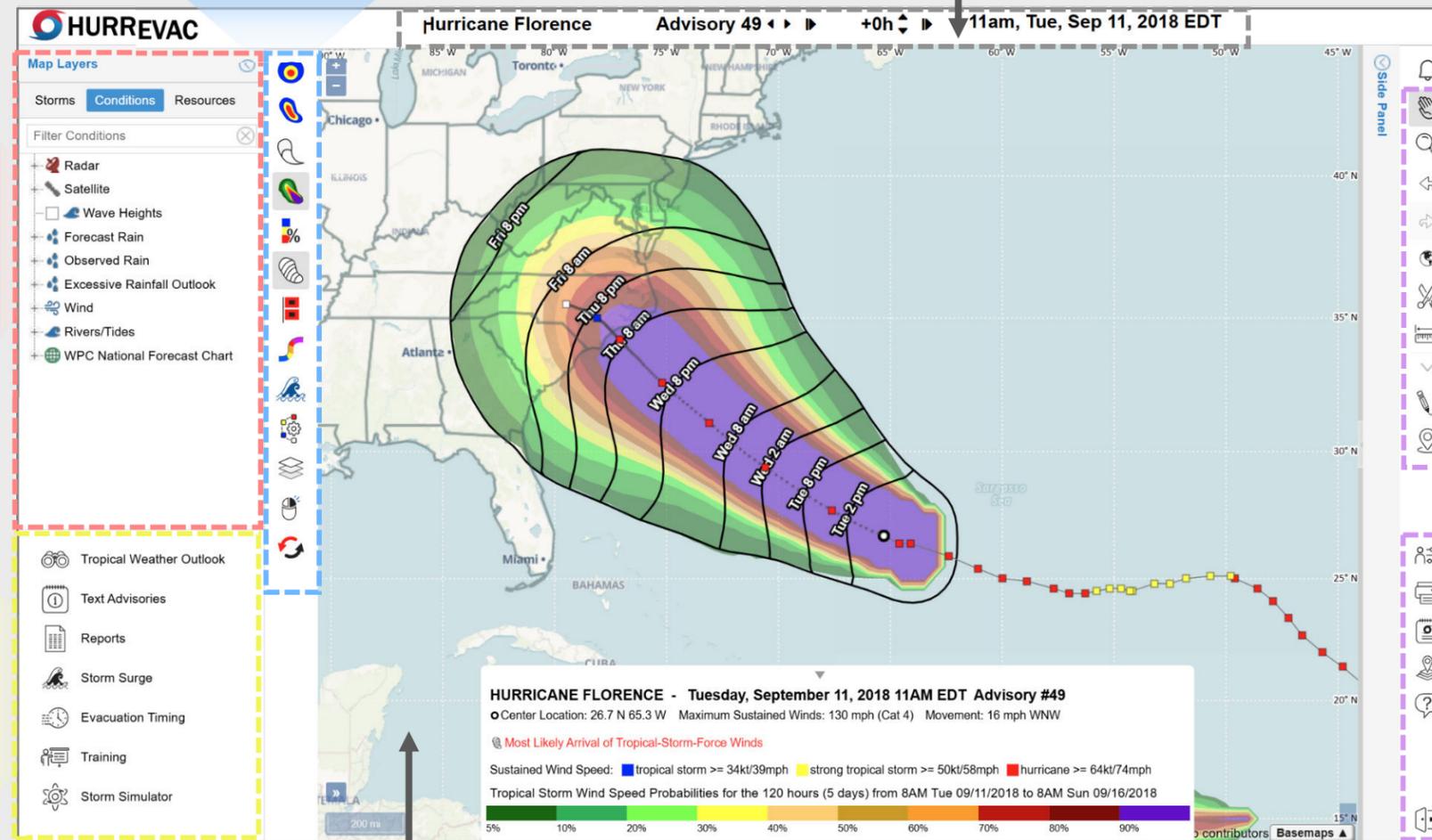
Map Tools

For map manipulation and annotation.

- **Navigation**
- **Zoom Box**
- **Go to Previous Map Extent**
- **Go to Next Map Extent**
- **Zoom to Full Map Extent**
- **Clip Layers**
- **Measure Distance and Area**
- **Drawing Tools**
- **Map Tools folder**
  - Geocode Location (search addresses or coordinates)
  - Weather forecast lookup
  - Points of Interest (POI) list

Map Layers

Organized into three tabs.

Storms is where you can select storm tracks to display on the map. The directory contains active storms worldwide, an archive of recent storms, exercise storms, and any simulated storms you add.

Conditions (*pictured*) has map layers for current weather observations and forecasts, including radar, satellite, rainfall, and flooding hazards.

Resources is a collection of non-weather map layers and reference documents. Use the search bar to quickly look up evacuation zones and Hurricane Evacuation Studies.

Toolbox

Some tools open in windows, others are docked in the side panel that expands from the right.

- Monitor where storms could develop over the next several days
- Read the latest details about storms and forecast products
- Create tables of wind hazards and other data for multiple locations
- Interact with SLOSH model data (MOMs, MEOWs, and Hindcasts)
- Configure evacuation scenarios (clearance times) and other actions
- Take self-guided training modules
- Make a custom exercise storm

Utilities

Contains basic program settings and actions.

- **User Preferences**
  - Base Location
  - POI style settings
  - Map Settings
  - Display Mode
- **Print/Export Map**
- **Storm Summary**
- **GIS Export**
- **User Guide** (*opens in new tab*)
- **Logout**

Tracking Map

Storm tracks and map layers are displayed here. Legends appear in the collapsible storm info box. To customize the view, choose from several basemap options (*opens from lower right*).

To zoom in and out of the map, you can scroll a mouse wheel or use pinch gestures on touch screens.

Right-click

Access several features by right-clicking. On touch devices, use the map location context menu icon to turn the next tap on the map into a right click. Functions include: setting base location, creating points of interest, placing flags on surge and wind timing layers, generating location-specific reports.

Map interface labels

HURREVAC — Hurricane Florence — Advisory 49 — +0h — 11am, Tue, Sep 11, 2018 EDT

Map Layers — Storms | Conditions | Resources — Filter Conditions

- Radar
- Satellite
- Wave Heights
- Forecast Rain
- Observed Rain
- Excessive Rainfall Outlook
- Wind
- Rivers/Tides
- WPC National Forecast Chart

Toolbox items:
- Tropical Weather Outlook
- Text Advisories
- Reports
- Storm Surge
- Evacuation Timing
- Training
- Storm Simulator

HURRICANE FLORENCE - Tuesday, September 11, 2018 11AM EDT Advisory #49
Center Location: 26.7 N 65.3 W   Maximum Sustained Winds: 130 mph (Cat 4)   Movement: 16 mph WNW

Most Likely Arrival of Tropical-Storm-Force Winds

Sustained Wind Speed: ■ tropical storm >= 34kt/39mph ■ strong tropical storm >= 50kt/58mph ■ hurricane >= 64kt/74mph

Tropical Storm Wind Speed Probabilities for the 120 hours (5 days) from 8AM Tue 09/11/2018 to 8AM Sun 09/16/2018

5% 10% 20% 30% 40% 50% 60% 70% 80% 90%

Basemaps