

On the Fire Weather page of the NWS Raleigh home page, there is a link to the NWS EDD. This feature is design to provide a platform from which decision makers can overly weather information pertinent to their particular situation.

What is the EDD

- A function developed by a team of forecasters at NWS Charleston, WV in the era of decision support services.
- A relatively simple method to obtain/retrieve current and predicted weather parameters for almost any point in the contiguous U.S.
- Weather information can be presented in a variety of formats (text, graphical, tabular)

This is one of several features designed by various teams across the NWS in an effort called WeatherReady Nation. The EDD was designed by a group of individuals initially at the NWS Charleston WV office. The principle engineer is Jonathan Wolfe, who is currently at NWS Duluth.

www.weather.gov

The screenshot shows the NWS homepage with a navigation bar at the top containing links for HOME, FORECAST, PAST WEATHER, SAFETY, INFORMATION, EDUCATION, NEWS, SEARCH, and ABOUT. Below the navigation bar, there is a section titled "Stormy and Wet in the East; Fire Weather Threats Continue in the West" with a brief description of the weather conditions. To the left of the main content, there is a "Customize Your Weather.gov" sidebar with a search bar and a "Get Weather" button. The main content area features a large map of the United States with various weather alerts and forecasts. The map is color-coded to show different weather conditions, with a legend at the bottom right indicating "American Samoa", "Guam", and "Puerto Rico/Virgin Islands".

To access the EDD, go to the NWS home page at www.weather.gov, then left click the mouse button on central NC....

www.weather.gov/rah



The screenshot displays the National Weather Service (NWS) Raleigh website. At the top, the NWS logo and the text "NATIONAL WEATHER SERVICE" are visible, along with the tagline "NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION". A navigation bar includes links for HOME, FORECAST, PAST WEATHER, SAFETY, INFORMATION, EDUCATION, NEWS, SEARCH, and ABOUT. Below the navigation bar, there is a "Local Forecast by ZIP, ST, or ZIP code" search box. To the left, a "Customize Your Weather.gov" sidebar offers options to "Get It" or "Remember me" and a "Get Weather" button. The main content area is titled "NWS Forecast Office, Raleigh, NC" and includes a "Raleigh, NC" sub-header. Below this, there are links for "Current Hazards", "Current Conditions", "Radar", "Forecasts", "Rivers and Lakes", "Climate and Past Weather", and "Local Programs". A central map shows the Raleigh area with various weather alerts overlaid. To the right of the map, a list of alerts is provided, including "Severe Thunderstorm Warning", "Flash Flood Watch", "Flash Flood Advisory", "Beach Hazard Statement", "Special Weather Statement", and "Coastal Weather Outlook". At the bottom of the page, there are three small images: a satellite view of a storm, a lightning bolt, and a sunset.

This will take you to the NWS Raleigh home page. Scroll down toward the bottom of the page...



...until you see the Fire Weather icon. Left click on the icon to get...

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:
[Location Help](#)

Customize Your Weather.gov
City, ST:
Enter Your City, ST or ZIP Code
☐ Remember Me

News Headlines

- Click here to check out the latest news from NWS Raleigh!
- NWS Raleigh to Issue New Tropical Products and Launch Tropical Webpage

Fire Weather Forecast
Weather.gov • Raleigh, NC • Fire Weather Forecast

Raleigh, NC
Weather Forecast Office

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

WFO Raleigh Fire Weather Program:
The NWS office in Raleigh provides spot forecasts for any wildfire within our county warning area. For prescribed burns, requests will only be honored from federal agencies. Our office also provides a Fire Weather Forecast for our county warning area. Details about our fire weather program can be found in our Fire Weather Operating Plan - [Operating Plan in Adobe PDF format](#).

- One-Stop Fire Weather Page for North Carolina (when map opens, click on location of interest for detailed fire forecast)**
- [Fire weather graphics page](#)
- [Forecast table: Click on map for tabular forecast; select desired fire weather element](#)

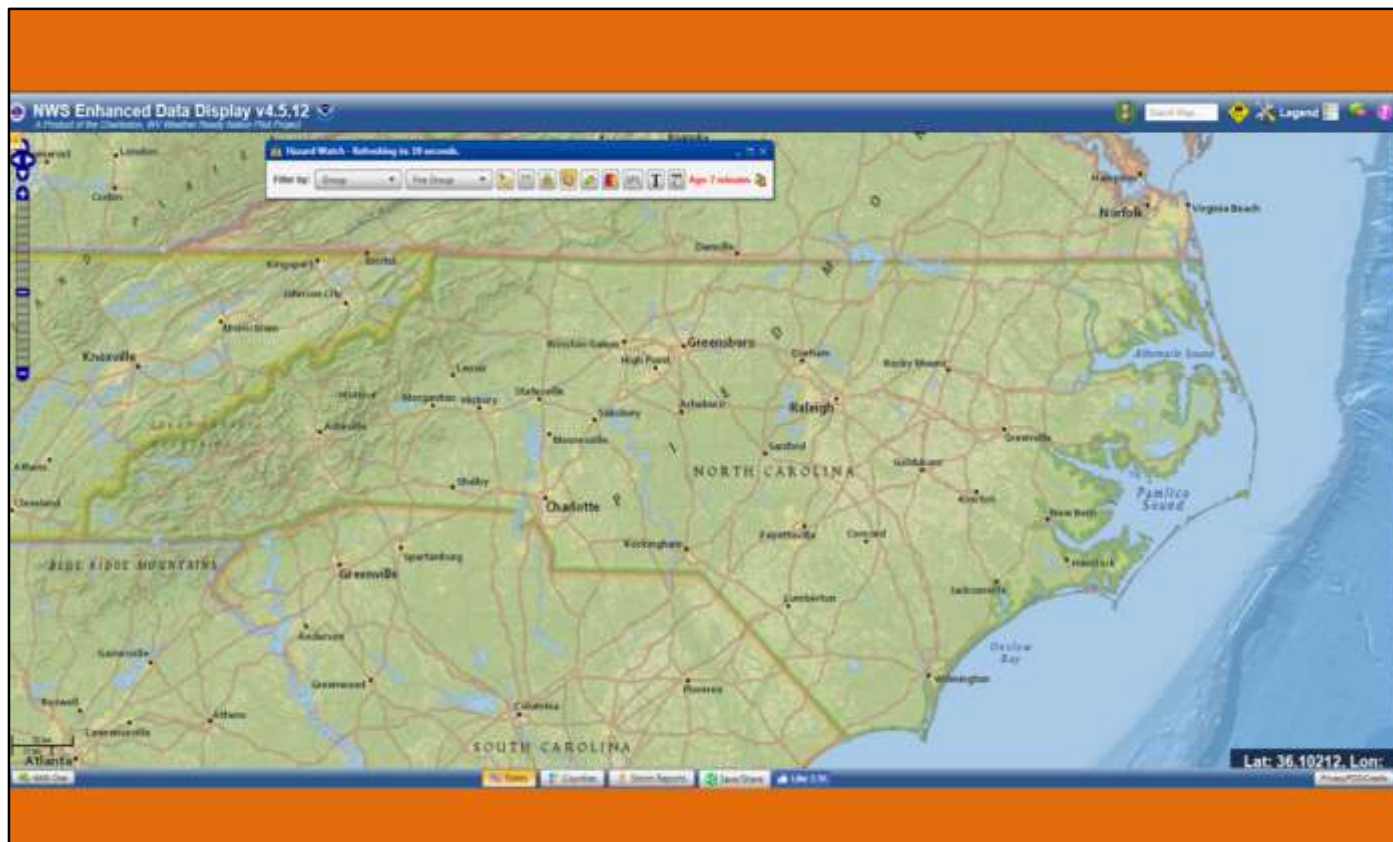
Raleigh Forecast Products:

- [Raleigh Fire Weather Forecasts \(EWE\)](#)
- [Raleigh Fire Weather Point Forecast Matrices \(PEW\)](#)
- [Raleigh Fire Danger Rating Forecast \(EWM\)](#)
- [Raleigh Red Flag Warning \(REW\)](#)

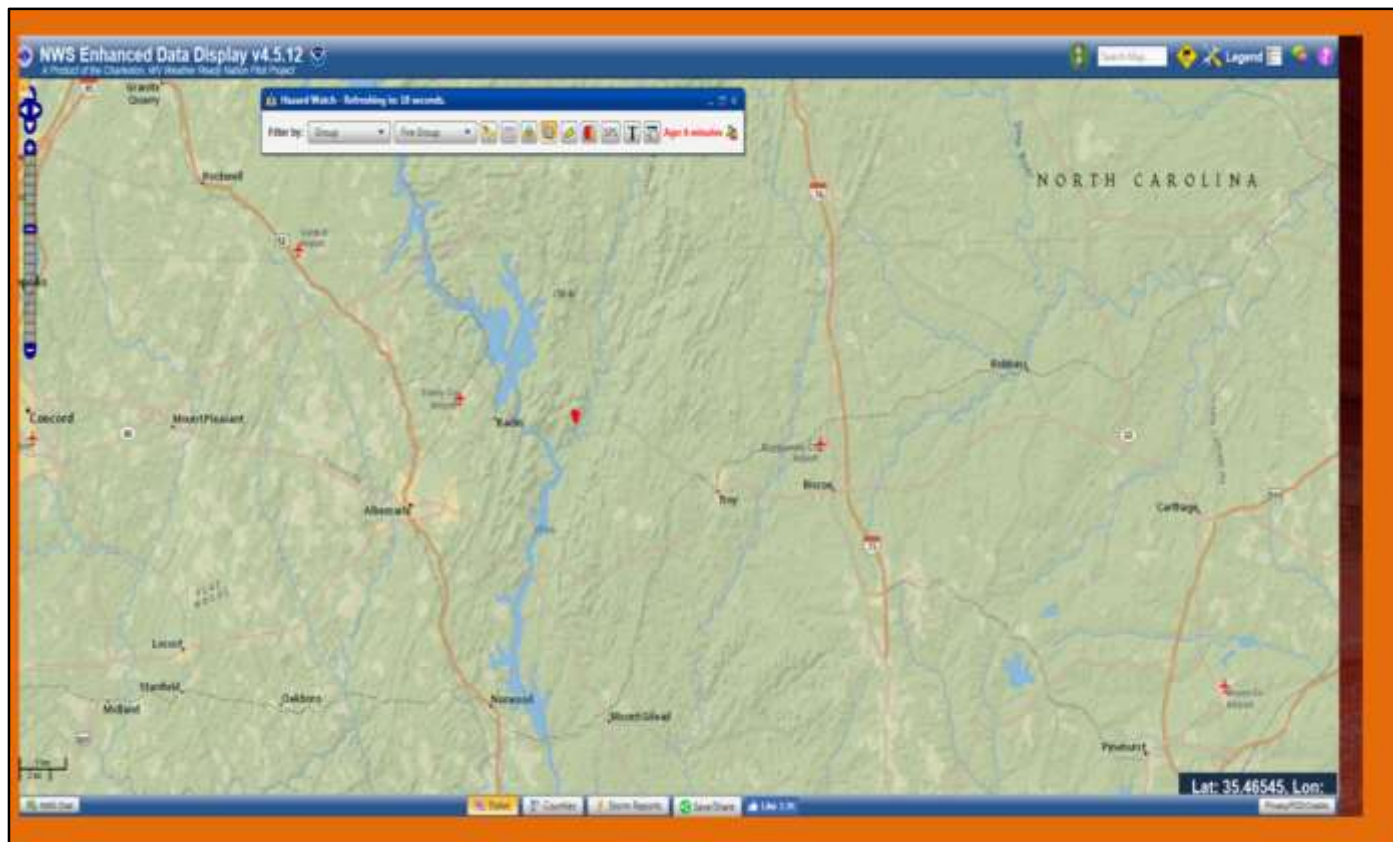
Fire Weather Forecasts and Outlooks from Around NC:

- [Newport-Morehead City, NC](#)
- [Wilmington, NC](#)
- [Blacksburg, VA](#)
- [Wakefield, VA](#)
- [Greenville-Spartanburg, SC](#)
- [Columbia, SC](#)
- [Morristown, TN](#)

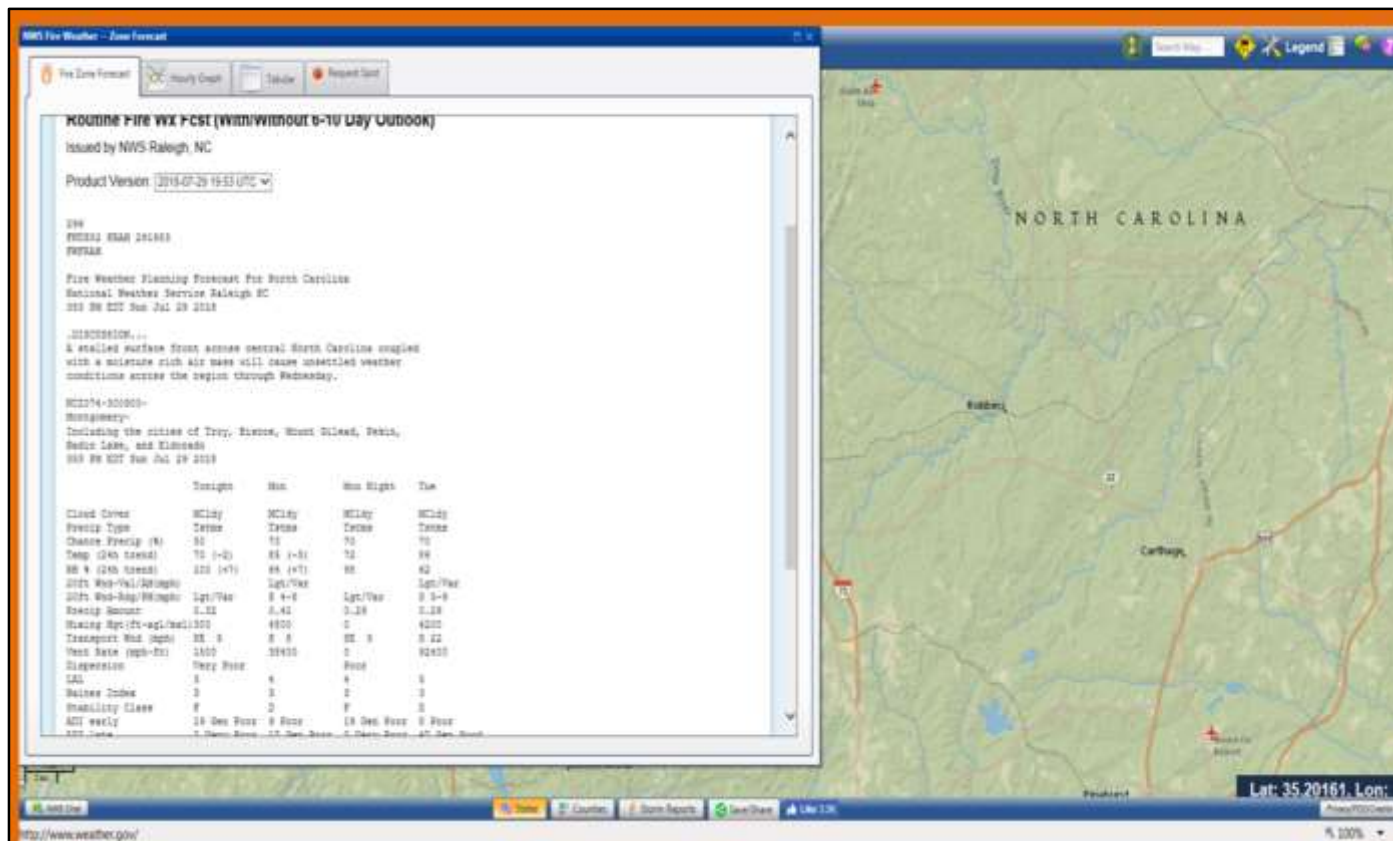
..the Fire Weather Forecast home page. Select the first option, the “One-Stop Fire Weather Page for North Carolina.”



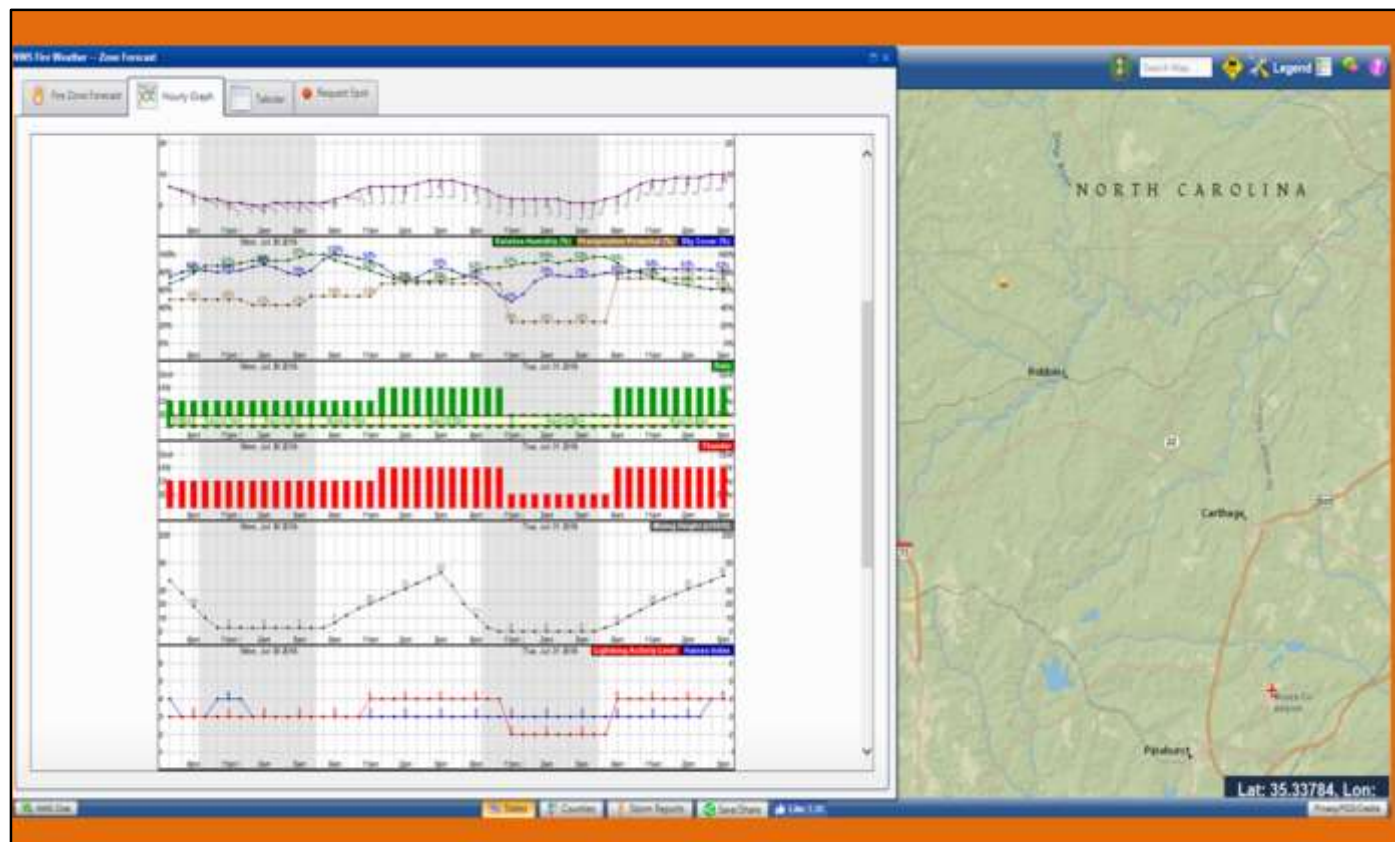
This will bring you to this page, which has been specifically formatted/designed for fire weather interest (note the “Fire Group” in the GUI in the top center of the page) to be centered on NC. Normally, the EDD loads with a map of the lower 48. From here you can zoom in on a specific section or site. Let’s go the Uwharrie National Forest.



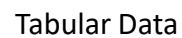
All you have to do is move your cursor to your point of interest. What I have done is highlighted my point by shading in a point in red, east of Badin. Left click the mouse and....



....up pops the fire weather planning forecast (FWF) for that site/county. This is the text version. At the top of the GUI, is a number of other options in which the data can be displayed, graphical by hour, or in tabular form. In addition is an option to request a Spot Forecast for that site.



Hourly Graph



Spot Forecast Request

NOTICE: This interface is intended to be used solely for the relay of forecast information to the National Weather Service. Submissions sent through this online form are intended for internal agency use. We are required (by a Gov Act of 2002) to explicitly state that submission of any information is voluntary. For further information please read our Privacy Policy and Disclaimer. False statements on this form may be subject to prosecution under the False Statement Accountability Act of 1998 (18 U.S.C. § 1001) or other statutes.

Request Page
National Weather Service Spot Program Links
Monitor Page

Step 1: Establish incident location using A or B below.

A. Set request location using nearest street address.

Note 1: Valid entries are street address, zip code, city, state, or latitude & longitude.
 Note 2: Latitude & Longitude will return the nearest street address. For exact latitude and longitude points use Step B entry below.
 Note 3: City, State, and Zip Code will return a geographic center.

- CR -

B. Set request location using latitude & longitude, UTM, or drag the map pointer to spot location below.

Note 1: If the map below does not appear you may enter your decimal Lat/Lon below.
 Note 2: To start over click the Reload button on your Web Browser.
 Note 3: Latitude, Longitude information should be entered in WGS84/NAD83 coordinates in order to ensure accurate forecast locations.

Decimal Degree Latitude, Longitude
(West Longitudes Are Negative)
 Example: 22.6712 -80.3222

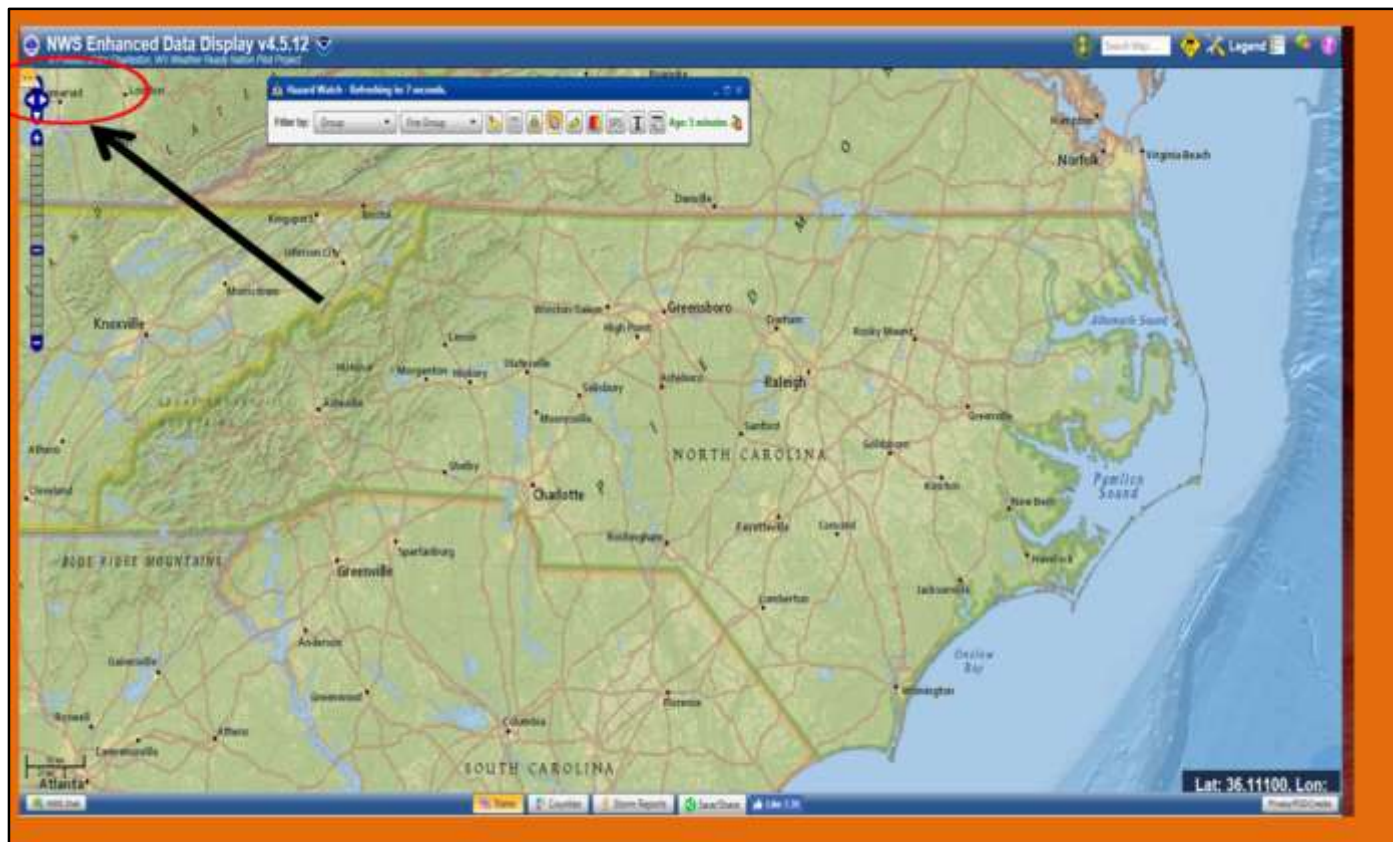
United States National Grid (UTM)
Valid for zones between 18N and 50N
 Require 11 character grid - 10 meter precision
 Example: 18U UJ490647

Degree, Minute, Seconds
Can accept decimal minutes as an input.
 Example: 22.6712 12 min 22 sec 00

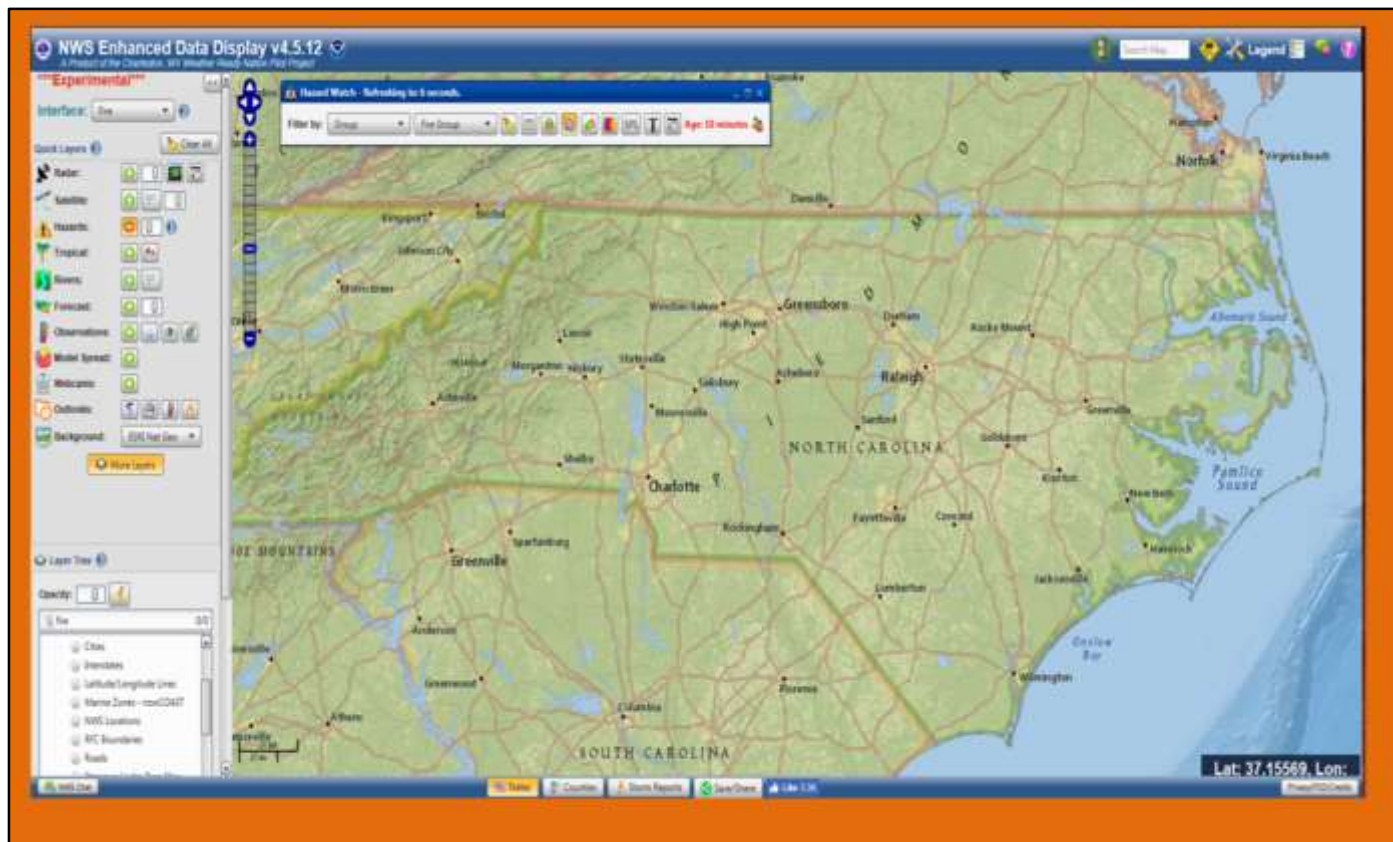
Elevation
Latitude & Longitude value used to determine elevation.
 If elevation data is in error, changes can be made on the second page of this spot request.

Lat: 35.38152 Lon:

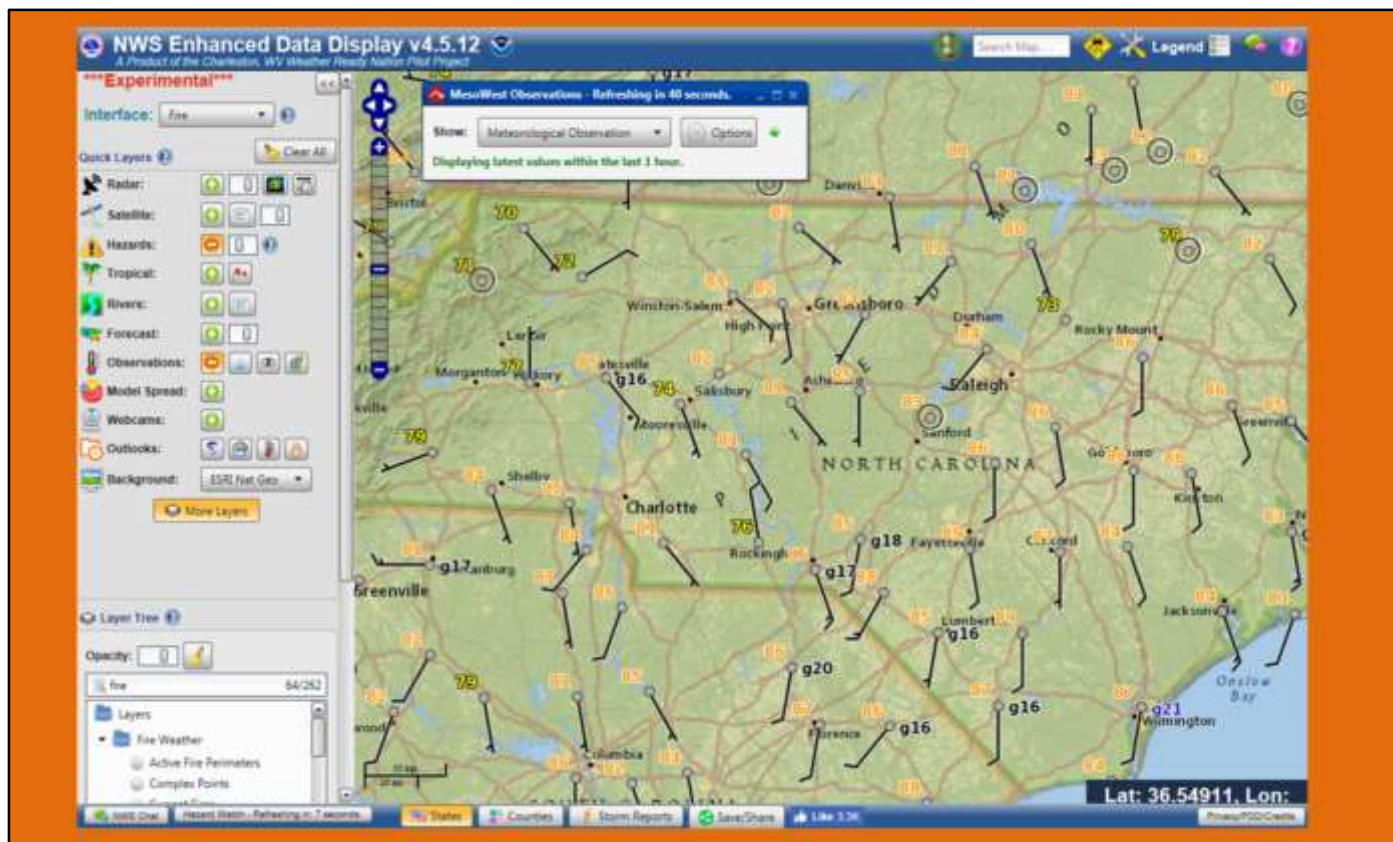
Request a Spot Forecast



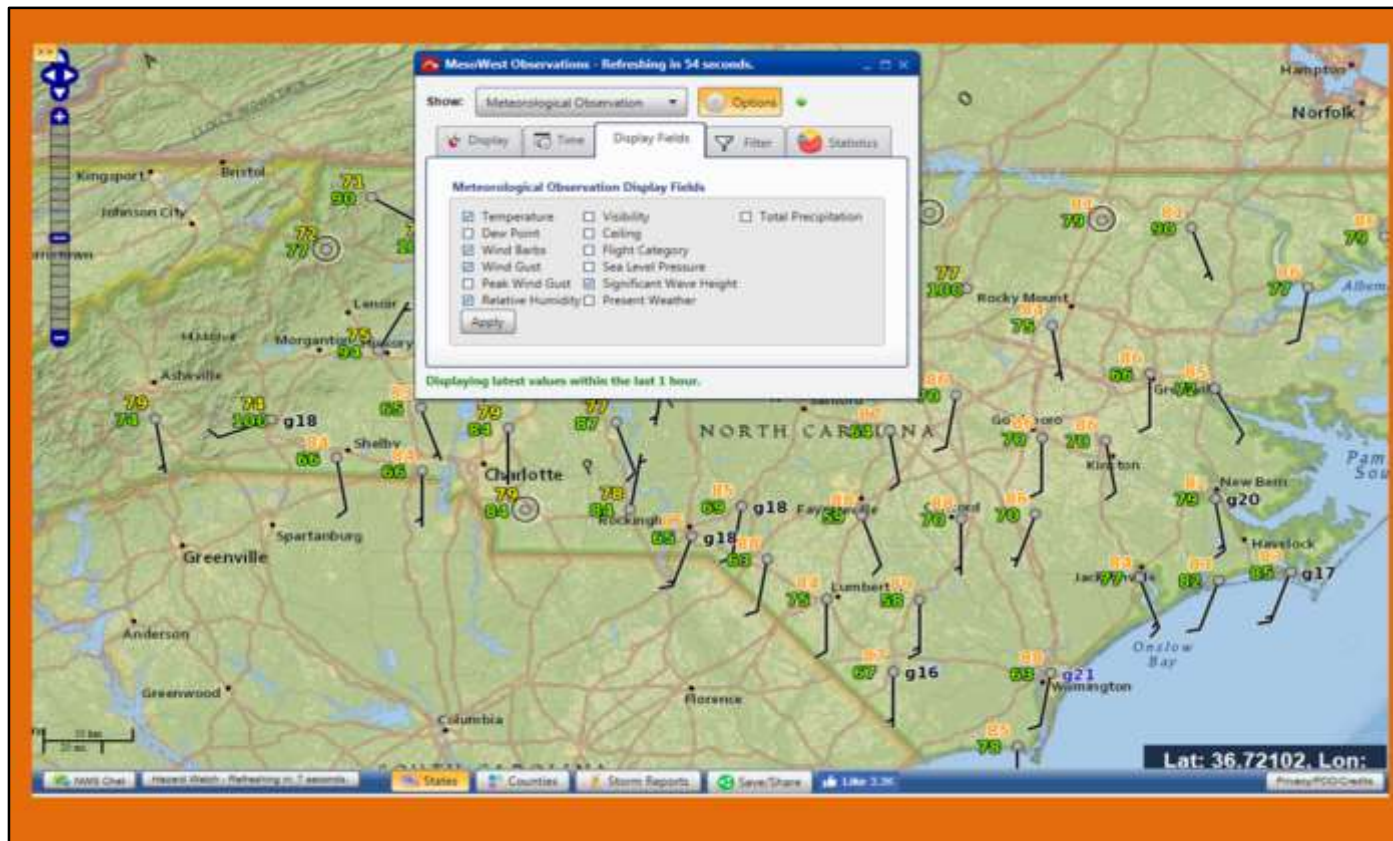
In the upper left is a minimize icon, left click on this will reveal...



...the GUI which will allow you to place layers of data on your display to monitor the weather. Notice that it says “Experimental”. This product is not supported 24/7. There will be times when links are broken or the feature will not display at all. If this product is worthwhile to your operations, let the folks at regional national HQ know. They are the ones that make the decisions on which programs to support. Your voice is much more effective than relaying it to the local office. Click on Observation to toggle this one to get...



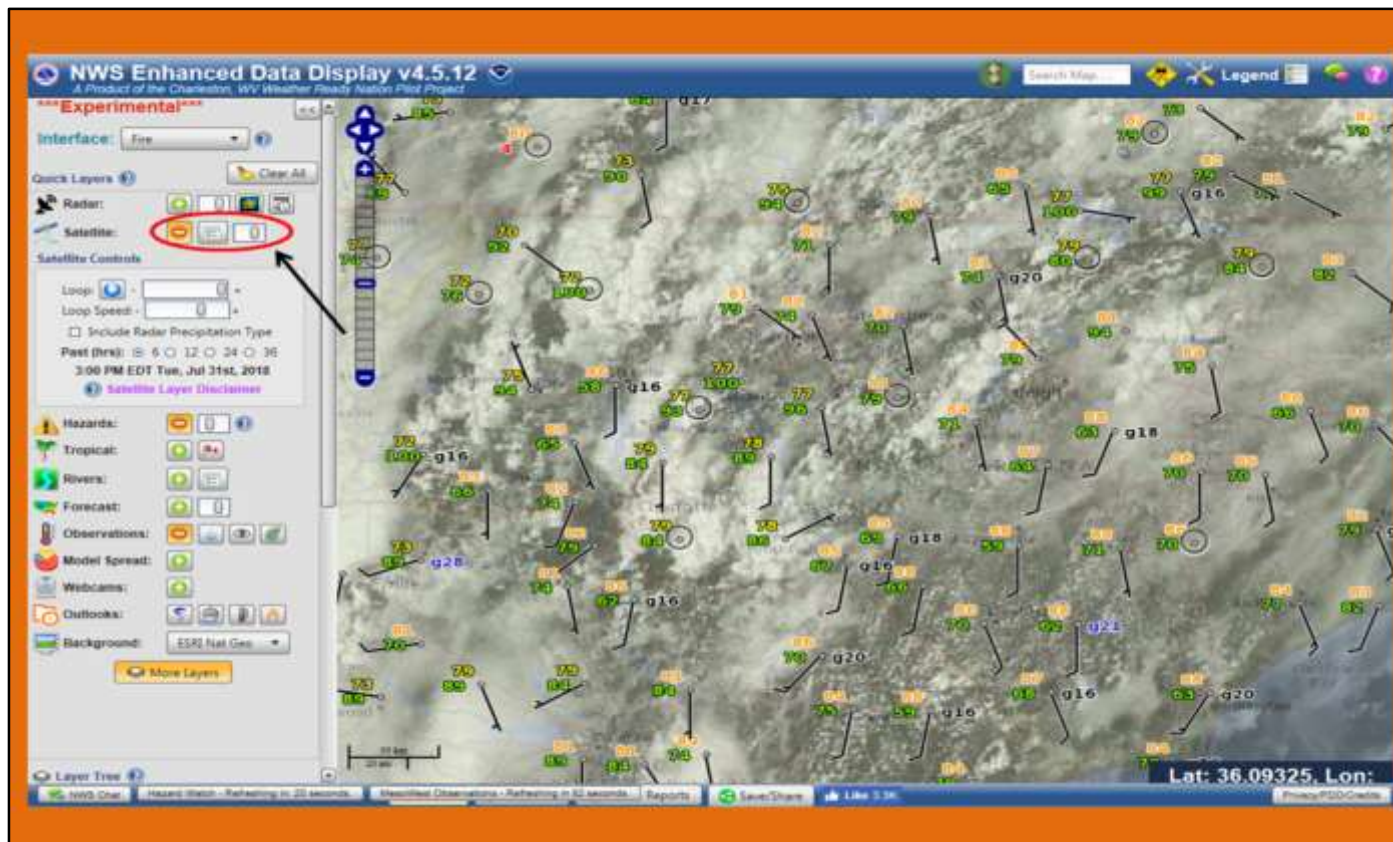
...opens up the MesoWest Obs GUI. From here, click on Options....



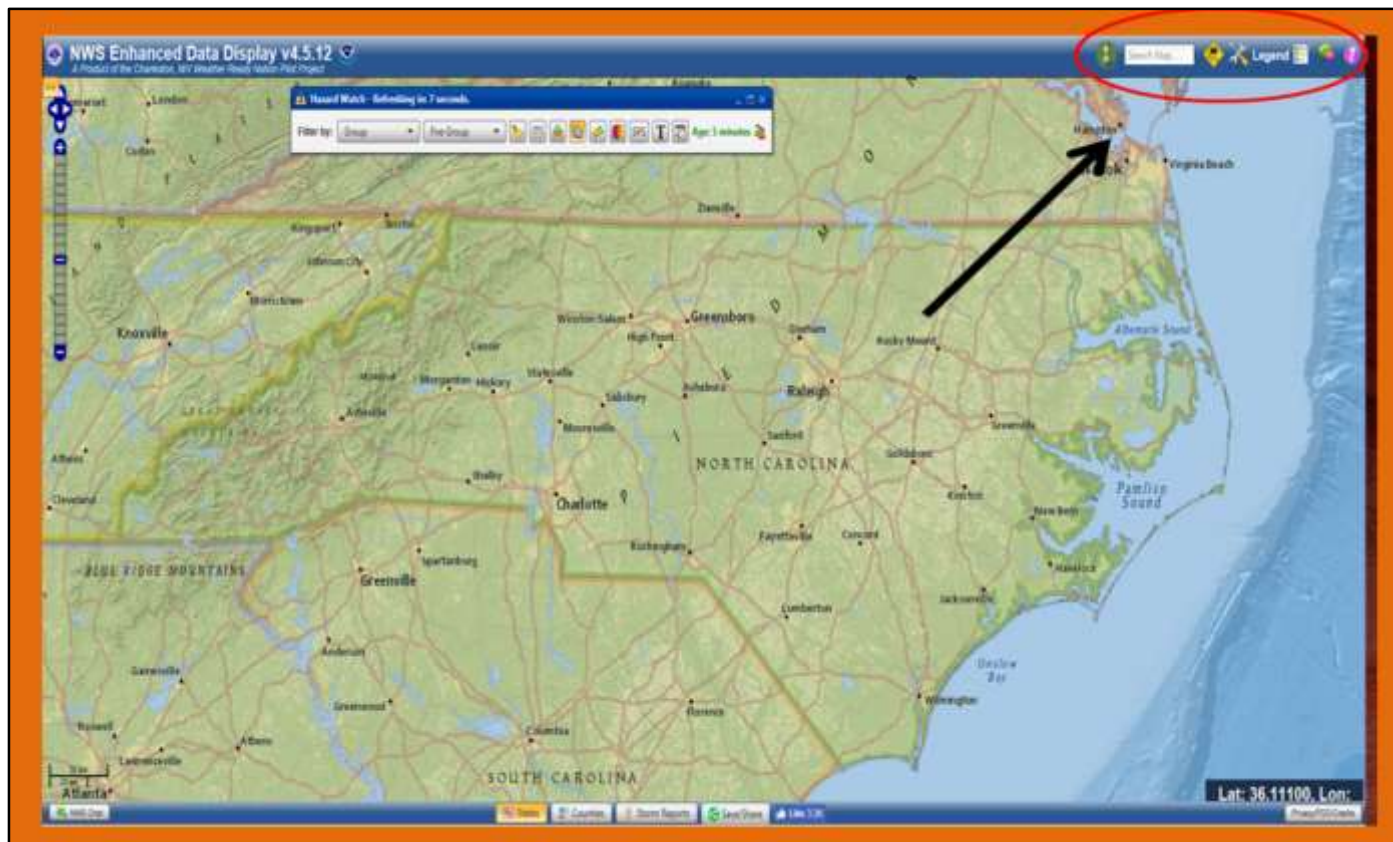
...choose what meteorological fields you want to display...



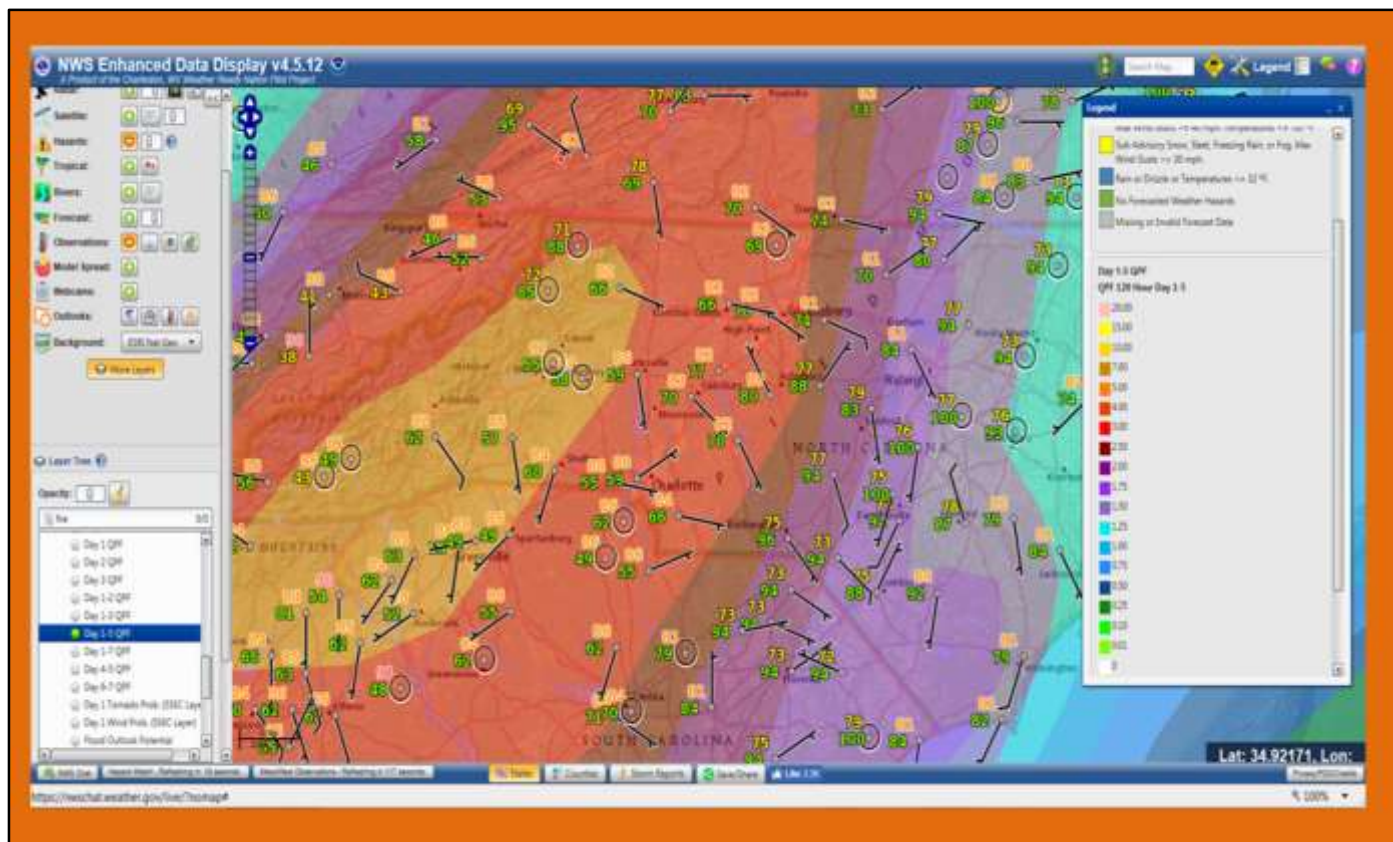
Clicking on the radar option will lead the regional radar display, BE PATIENT. This takes several minutes to load since its compiling several images into a loop

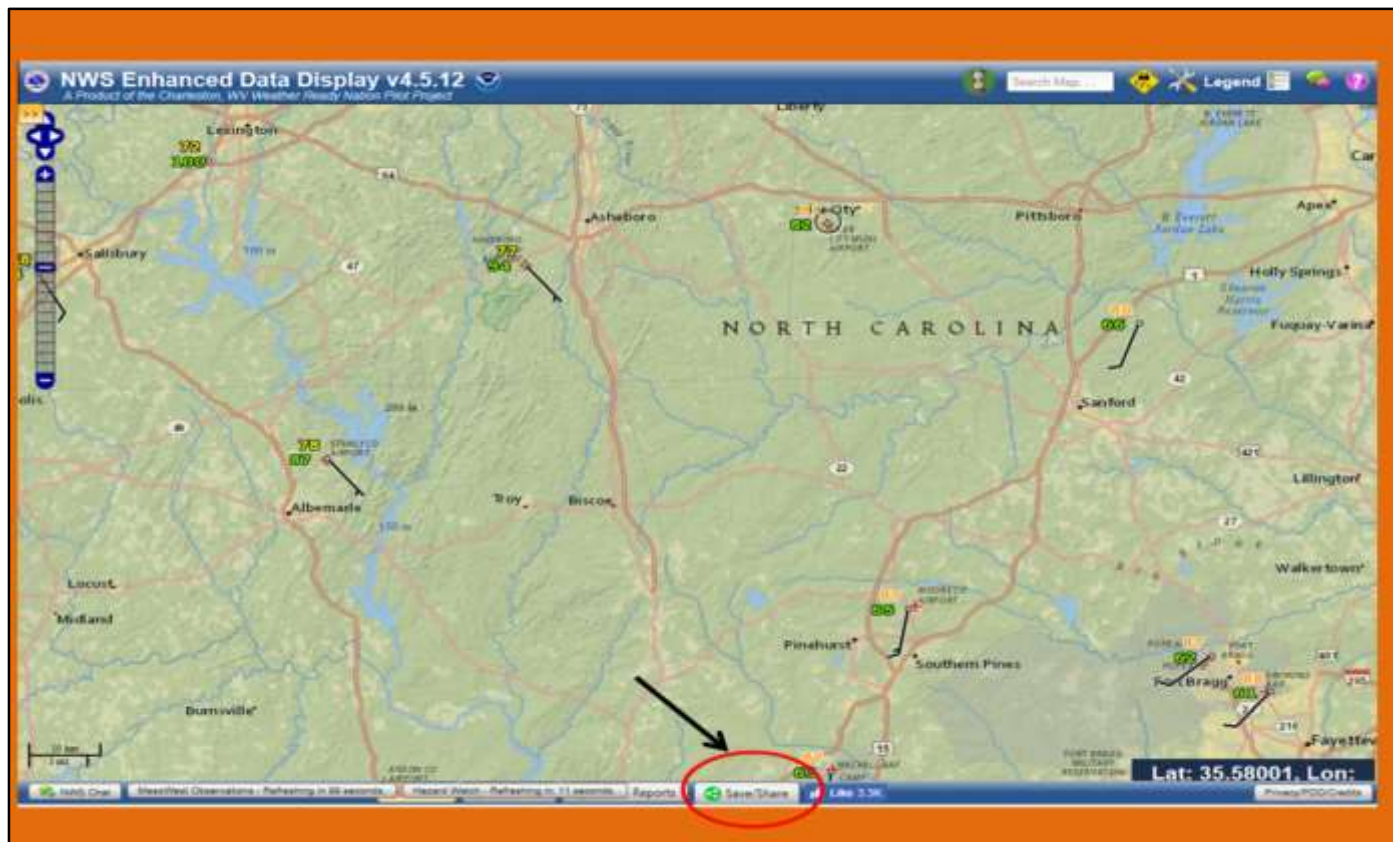


The satellite option is available, in either visible or infrared (gray scale and colored), water vapor, as well as a fog channel. The options can be accessed by the GUI immediately right of the toggle OFF/ON.

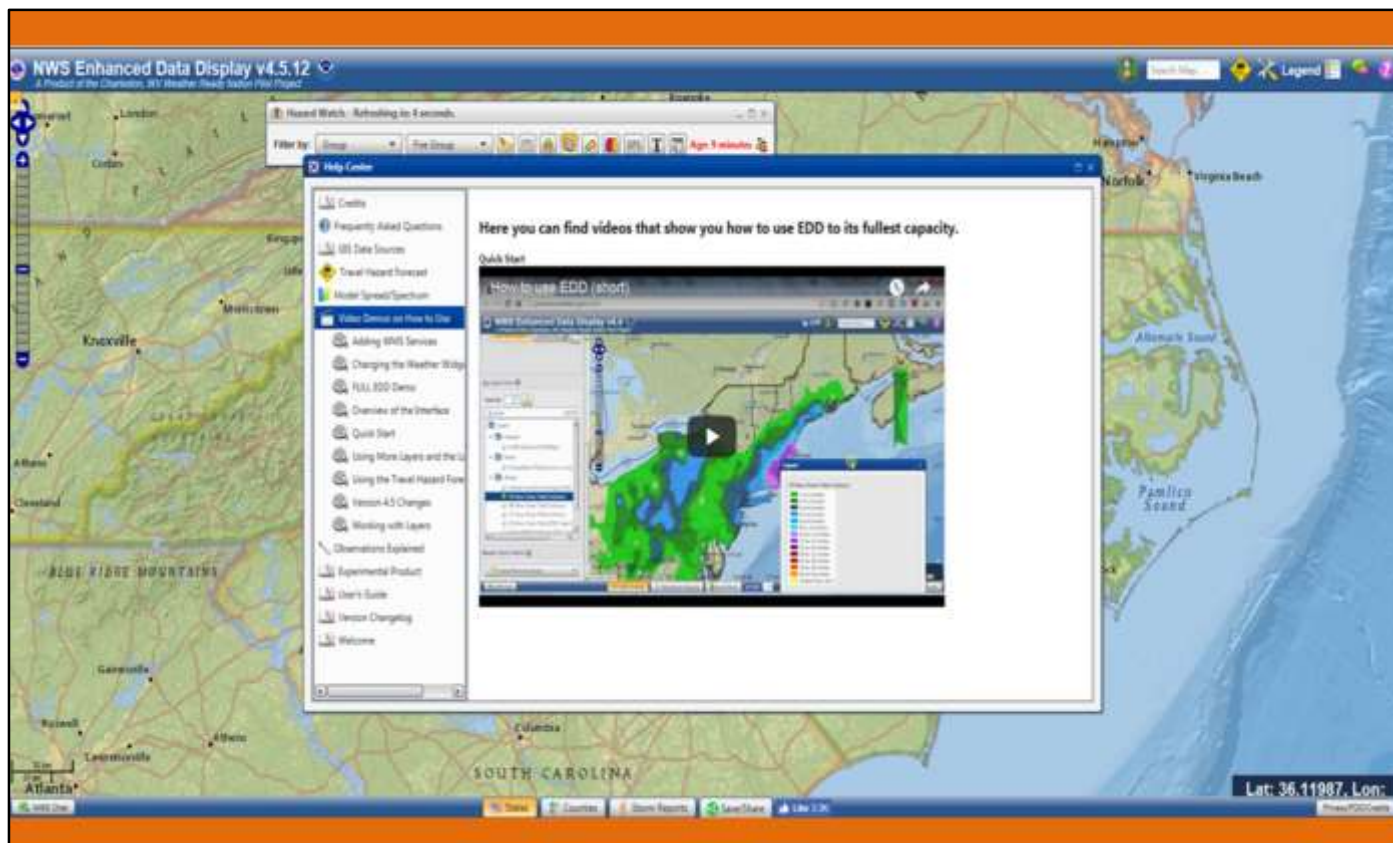


Let's look at the tool bar to help in our navigation. In the upper right, you'll see tools to highlight the legend, to provide feedback to the developers and people of influence (not NWS Raleigh), as well as the Help Guide (very useful).





If you have an area you go to on a regular basis and you always prefer certain parameters to be routinely displayed, get the display to your desired preference, then click on the Save/Share option at the bottom of the screen. By clicking on this option, it generates the long and tiny url for your current configuration. Either cut and paste the url to share it, or, click on “Go to link” at the bottom of the dialogue box. This allows you to bookmark the EDD with your customized saved settings and map zoom.



We have only scratched the surface of what you can do with this platform. The HELP CENTER in the upper right hand corner is an excellent resource to learn a lot on how to navigate this system.

- Special thanks to Gail Hartfield (NWS Raleigh) for getting this tool available to you, and encouraging its use.
- Special thanks to Corey Davis (NC Climate Office) for the Google documents available to you today.
- Special thanks to Margit Bucher (NC Nature Conservancy) for her critiques and use of the EDD.
- Thank you for your time and attention.