

# Region 1 Fire Danger Outlook

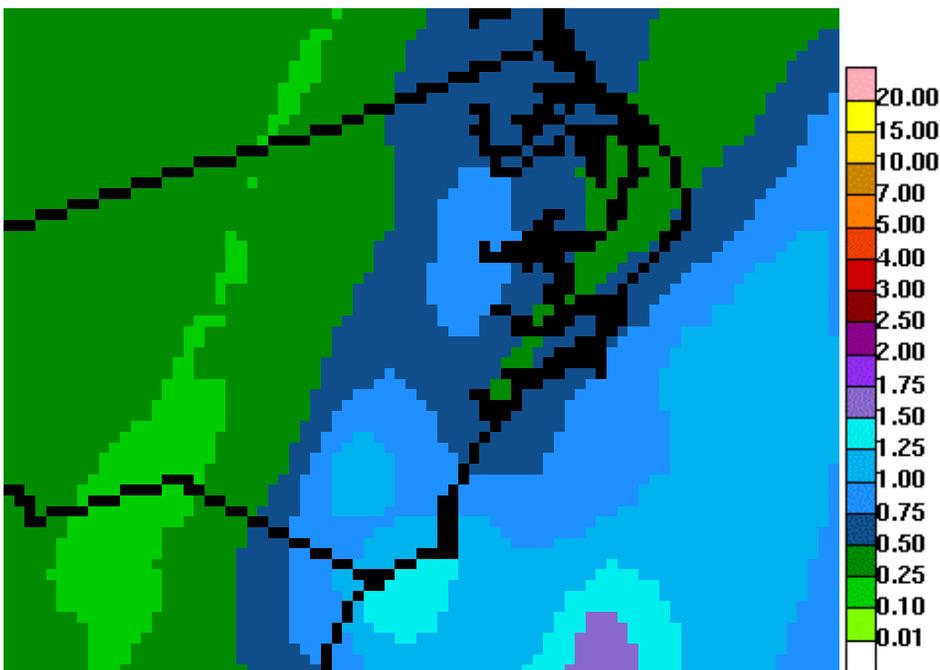
March 24th, 2016, 0730

Cabe Speary, Fire Environment Forester, 252-325-3089

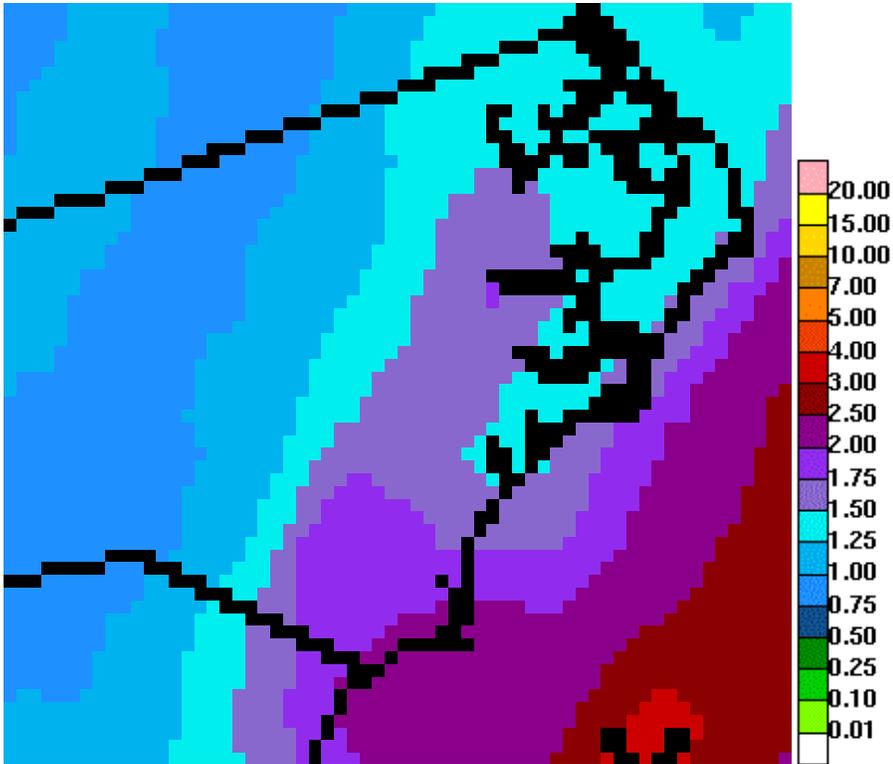
## Weather Outlook

- The current high pressure dominating the weather will be replaced as a cold front approaches the area Thursday evening. The front will bring a good chance for rain starting late Thursday night and continuing through Friday evening, with .25-.5" expected. The front will stall off shore, then return as a warm front, bringing a better chance for more rain late Sunday into Monday. Another moist cold front will approach Monday, bringing even more chances of rain Tuesday and Wednesday look to be dry, except in the D-7 area, where there will still be a chance for rain Tuesday.
- Low RH's are forecasted to be in the 30-45% range on Thursday, increasing to the 50-60% range for Friday through Monday. Most areas will see Rh back in the 30s by Tuesday and or Wednesday.
- Winds Thursday will be 10-15 MPH with occasional gusts over 20. For the rest of the period, the winds will be in the 5-10 MPH range with gusts up to 20. Wind directions will vary considerably with the frontal passages.
- High temperatures Thursday and Friday will be in the 70s. They will be in the mid 60s-mid 70s for the remainder of the period.

## 3 Day Precipitation Outlook (cumulative), 3/24/16-3/27/16

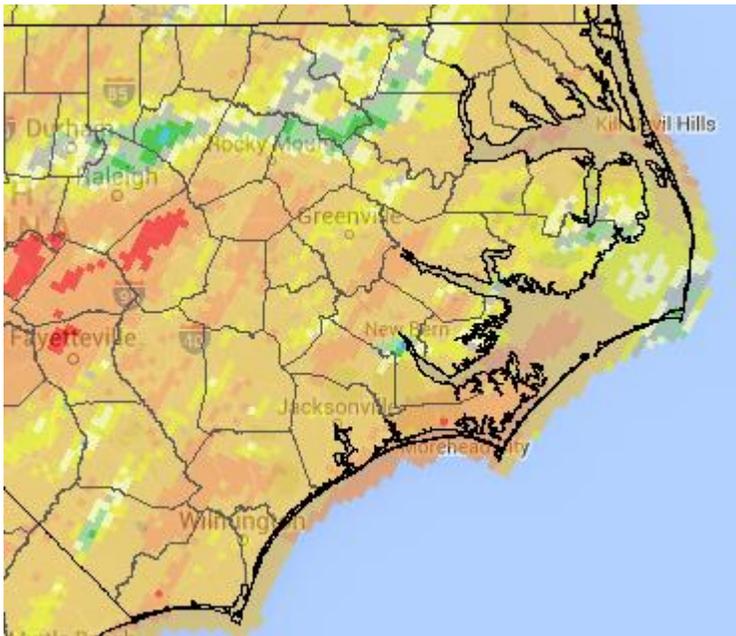


## 7 Day Precipitation Outlook (cumulative), 3/24/16-3/31/16



These maps are from the general forecast and are meant to show expected rainfall. The Fire Weather forecast is for worst case scenario, which usually means lower predictions than the general forecast.

## 30 Day Precipitation Departure (shown as percent of normal)



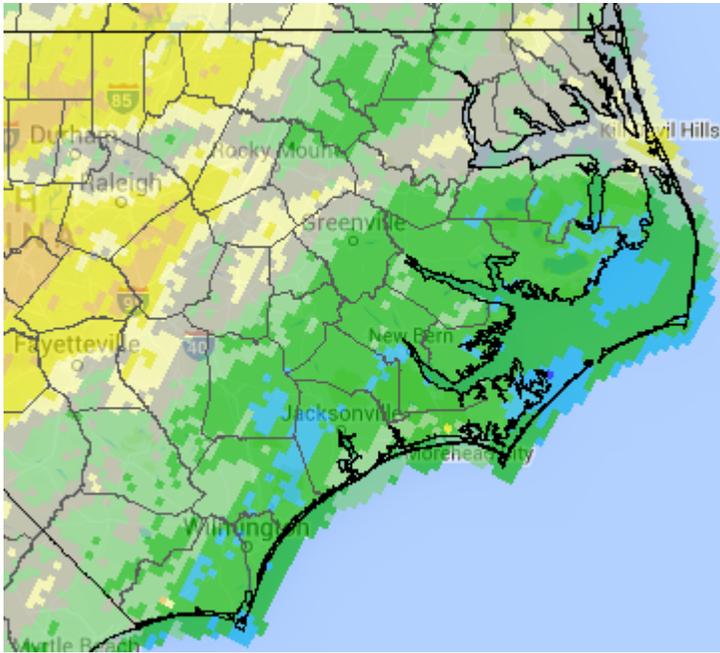
Percent of Normal Precip.



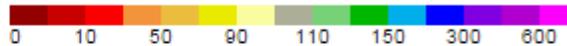
From Feb 22 at 8 pm to Mar 22 at 8 pm (1 month period)

Most of the region is below normal rainfall for the past month, with some areas as low as 25-50% of normal.

# 90 Day Precipitation Departure (shown as percent of normal)

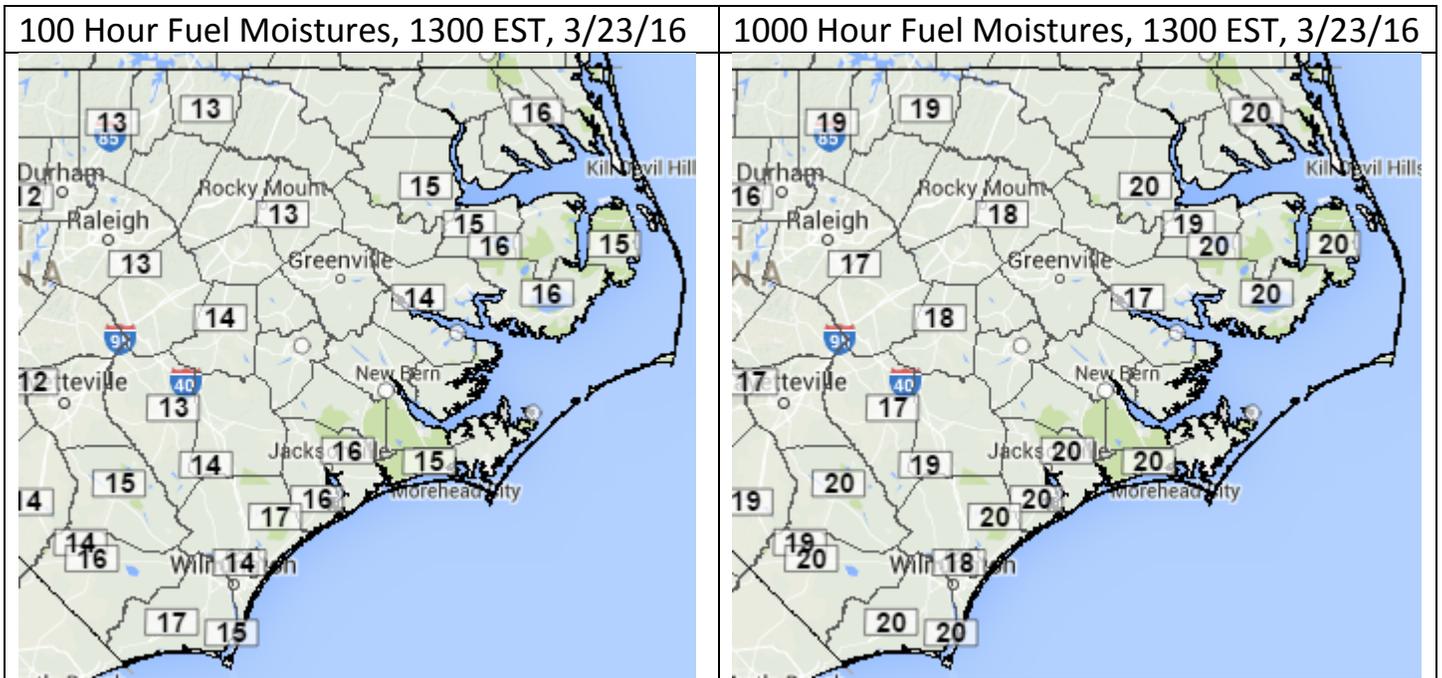


Percent of Normal Precip.



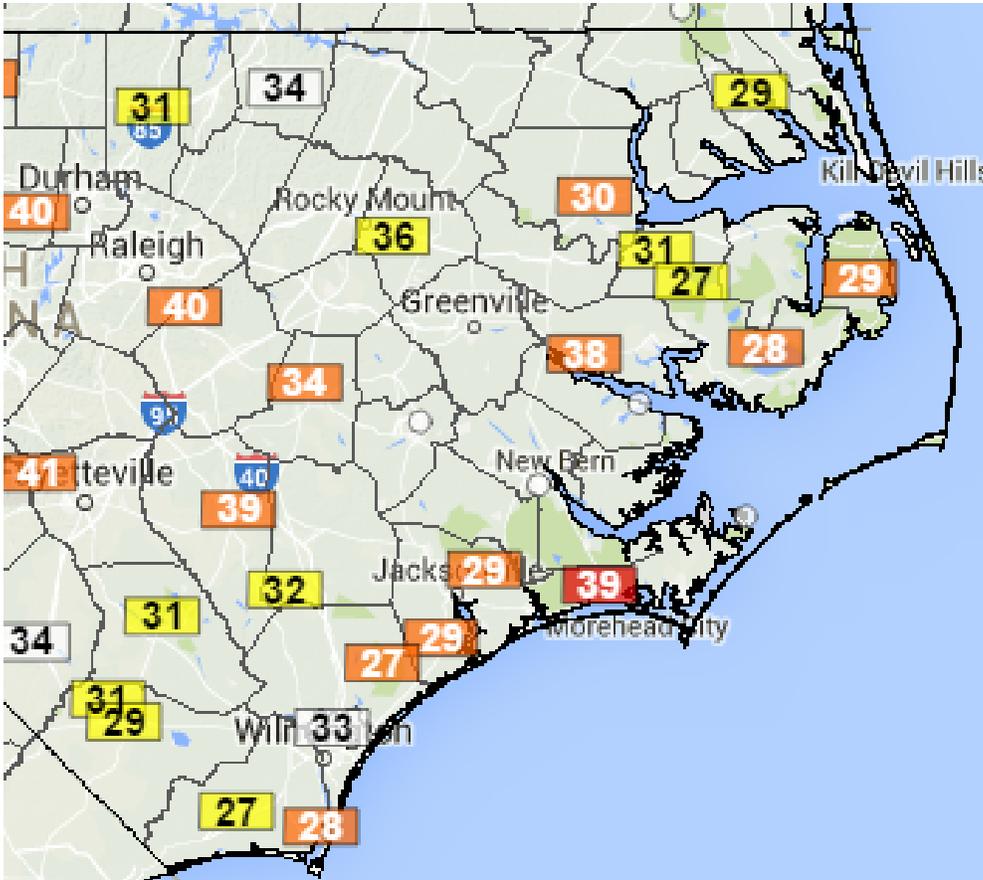
From Dec 22, 2015 at 8 pm to Mar 22 at 8 pm (3 month period)

However, the 3 month departure shows most of the region at or above normal rainfall. This is likely to continue for much of the region if rainfall materializes this weekend as predicted.



100 hr fuel moistures have dropped, but are still above 15% for most stations in the region. Interestingly, 1000 HR fuels are at 20% or less throughout the region. Below this level, they can start to add to fire intensity.

## Energy Release Component, 1300 EST, 3/23/16



ERCs are below normal. The 7 day ERC predictions show a downward trend to below normal with the anticipated precipitation.

## COMING SOON TO THE FIRE WEATHER INTELLIGENCE PORTAL

Gridded KBDI and humidity data. Also, historic fire danger indices data will be translated to the G fuel model for more meaningful comparisons with current conditions.

The next assessment will be released on 3/31/16