

NC Drought Management Advisory Council Annual Meeting

Barrett Smith

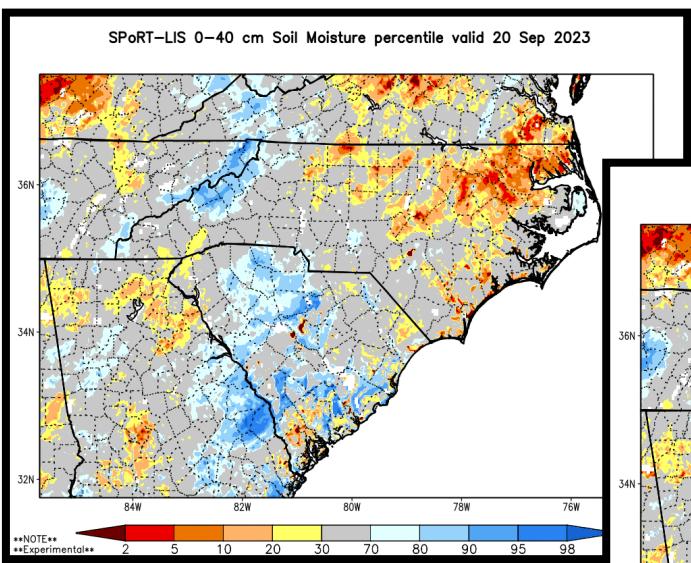
Senior Service Hydrologist

National Weather Service - Raleigh, NC

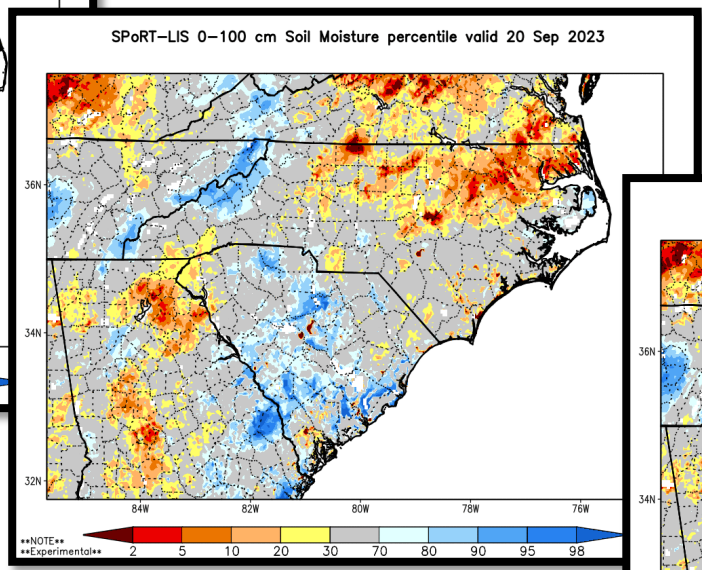
September 21, 2023

NASA SPoRT-LIS Soil Moisture

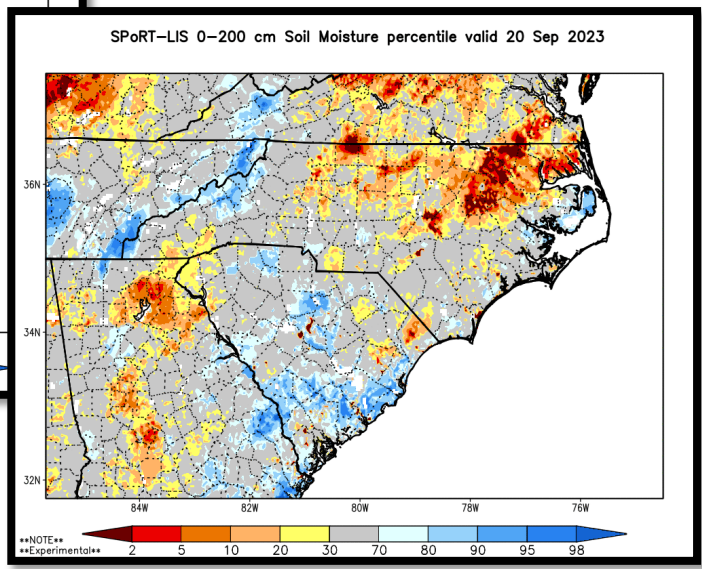
0-40cm Percentile



0-100cm Percentile

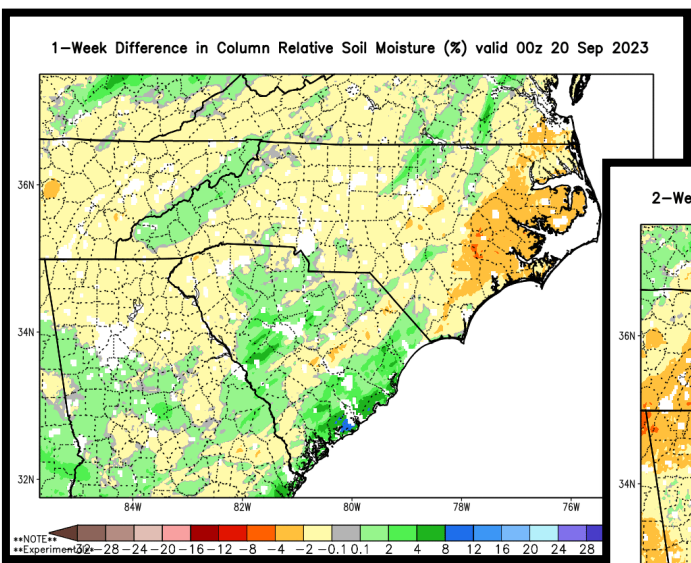


0-200cm Percentile

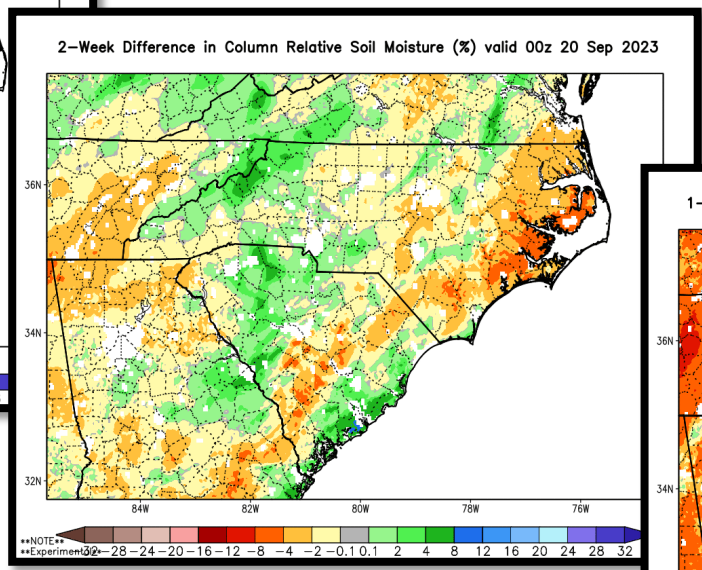


NASA SPoRT-LIS Soil Moisture

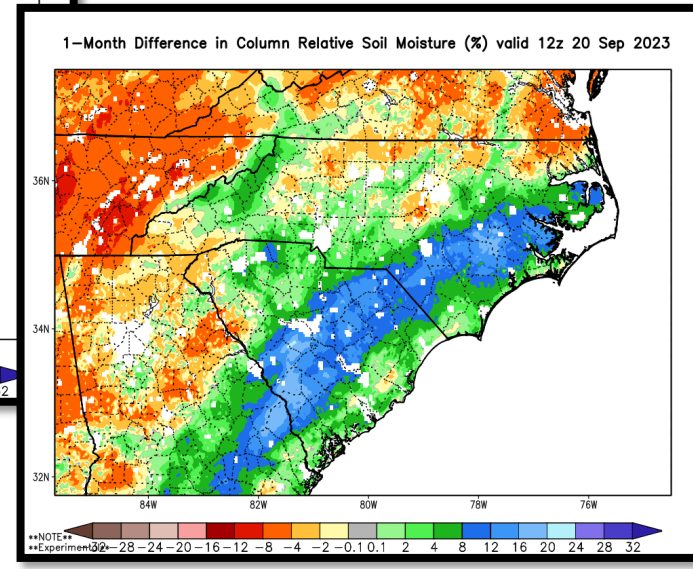
One Week RSM Change

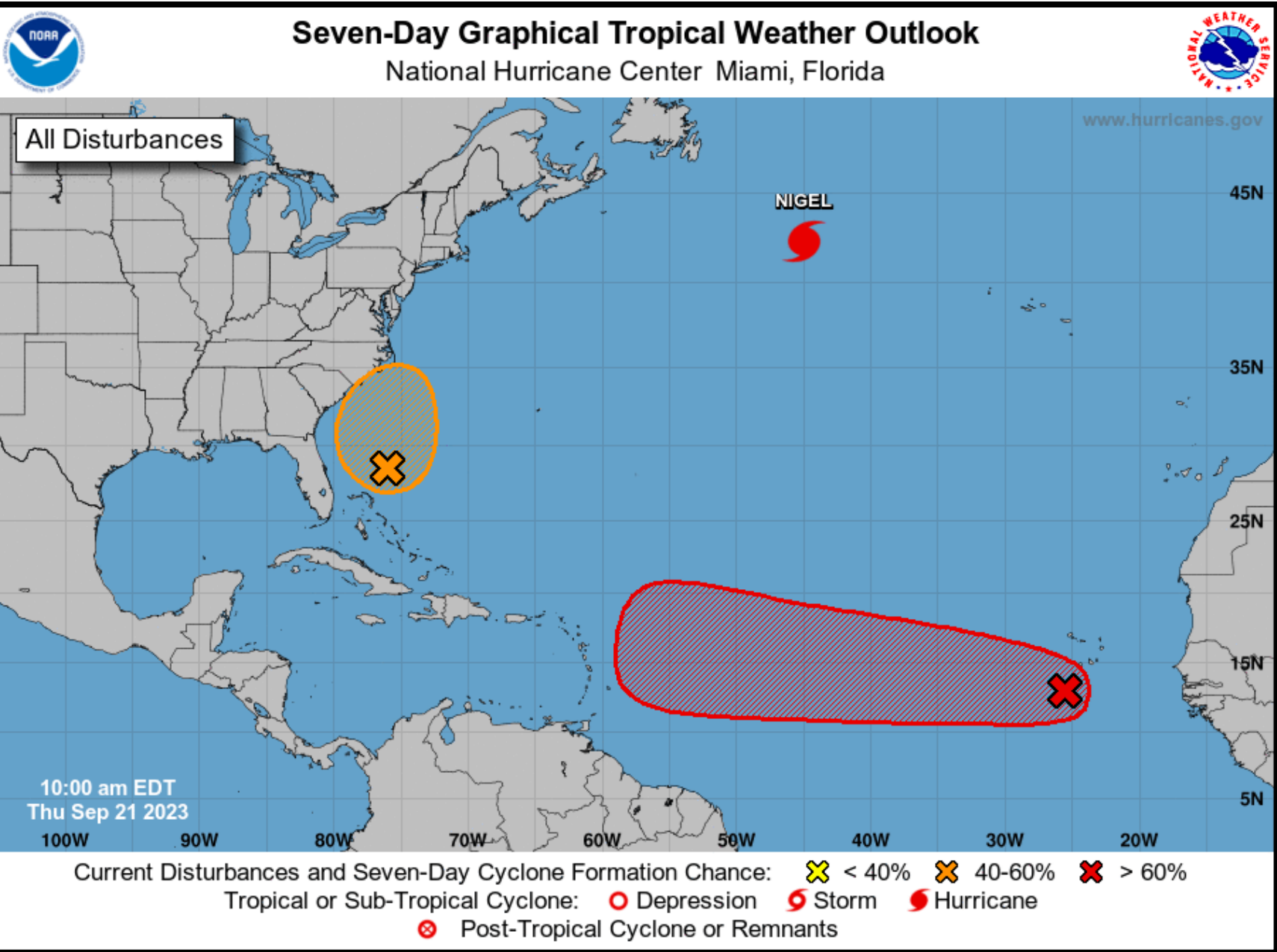


Two Week RSM Change



One Month RSM Change



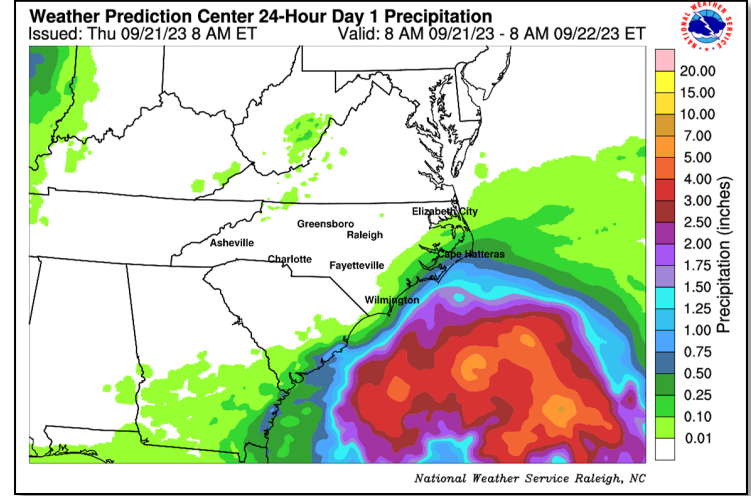
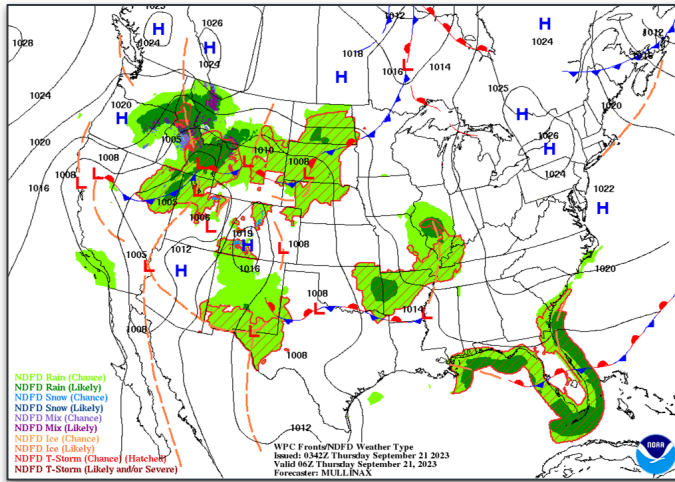


Upcoming Weather Pattern

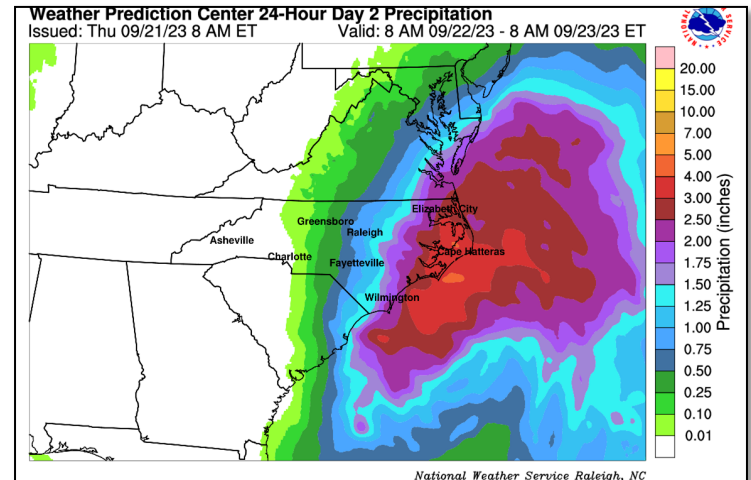
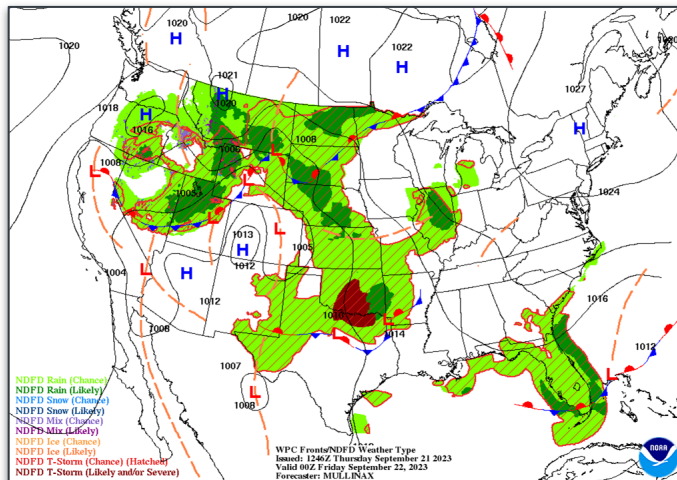
Fronts and Weather

24 Hour Precipitation Forecasts

Today



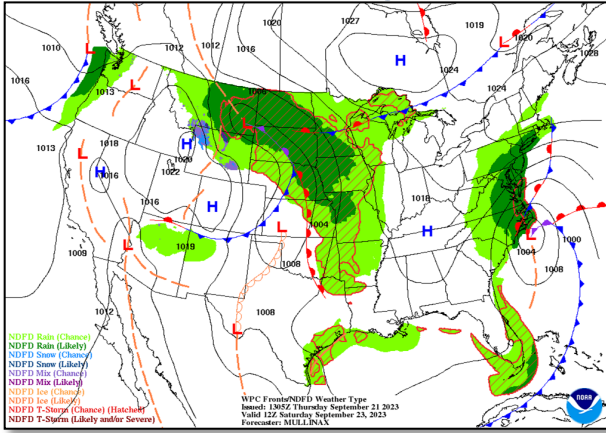
Friday



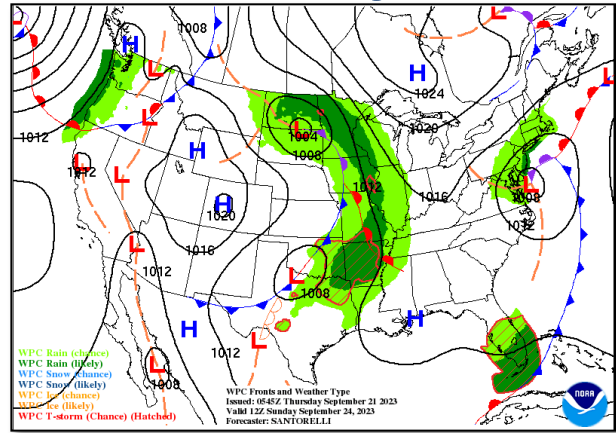
Courtesy of the Weather Prediction Center (www.wpc.ncep.noaa.gov)

Upcoming Weather Pattern

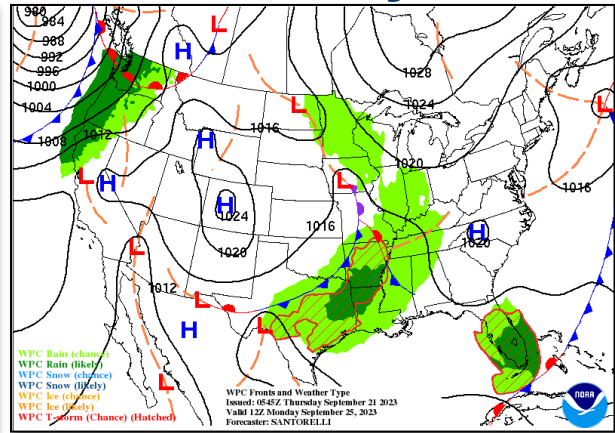
Saturday



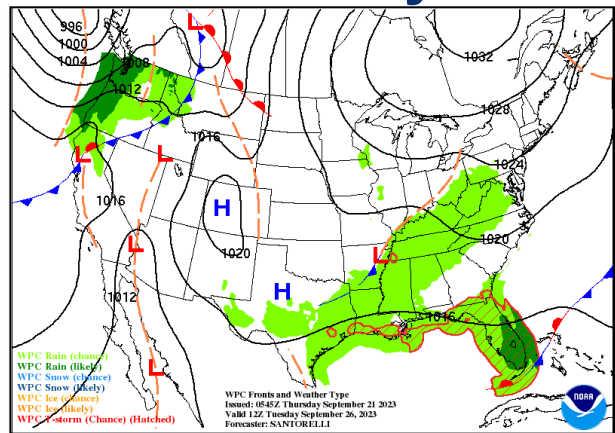
Sunday



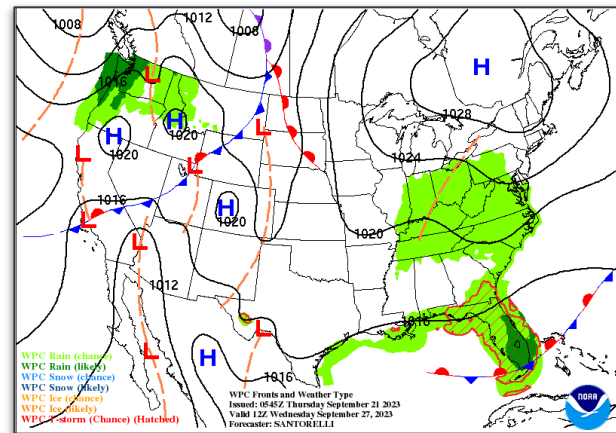
Monday



Tuesday



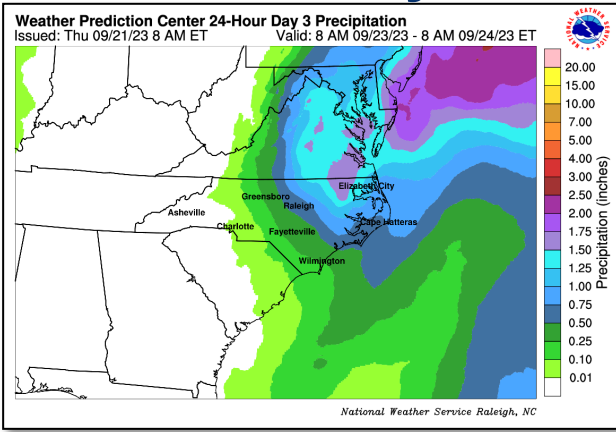
Wednesday



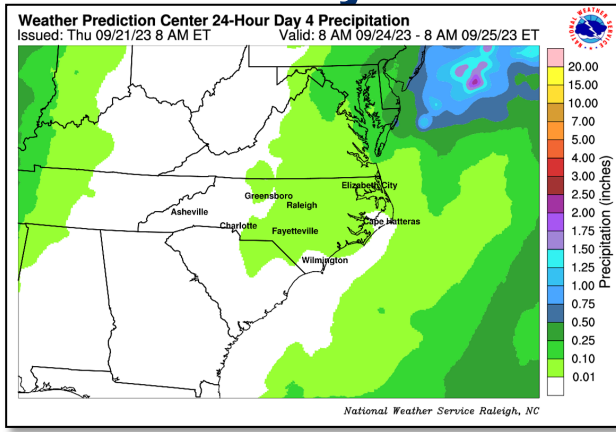
Courtesy of the Weather Prediction Center (www.wpc.ncep.noaa.gov)

Precipitation Forecasts

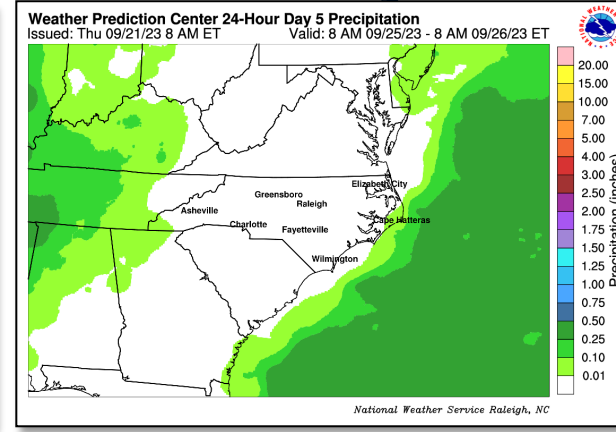
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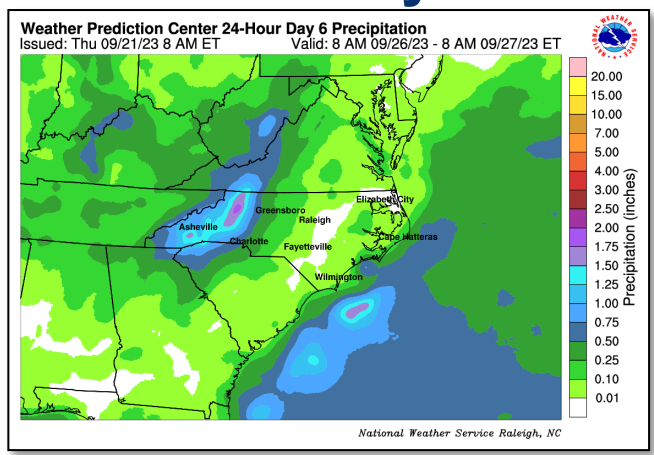
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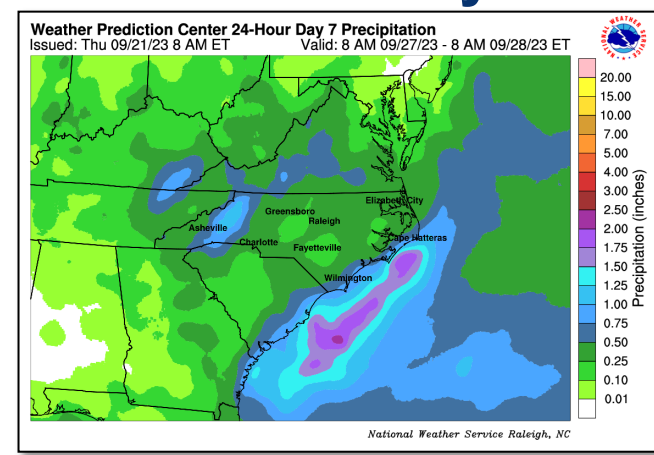
Monday



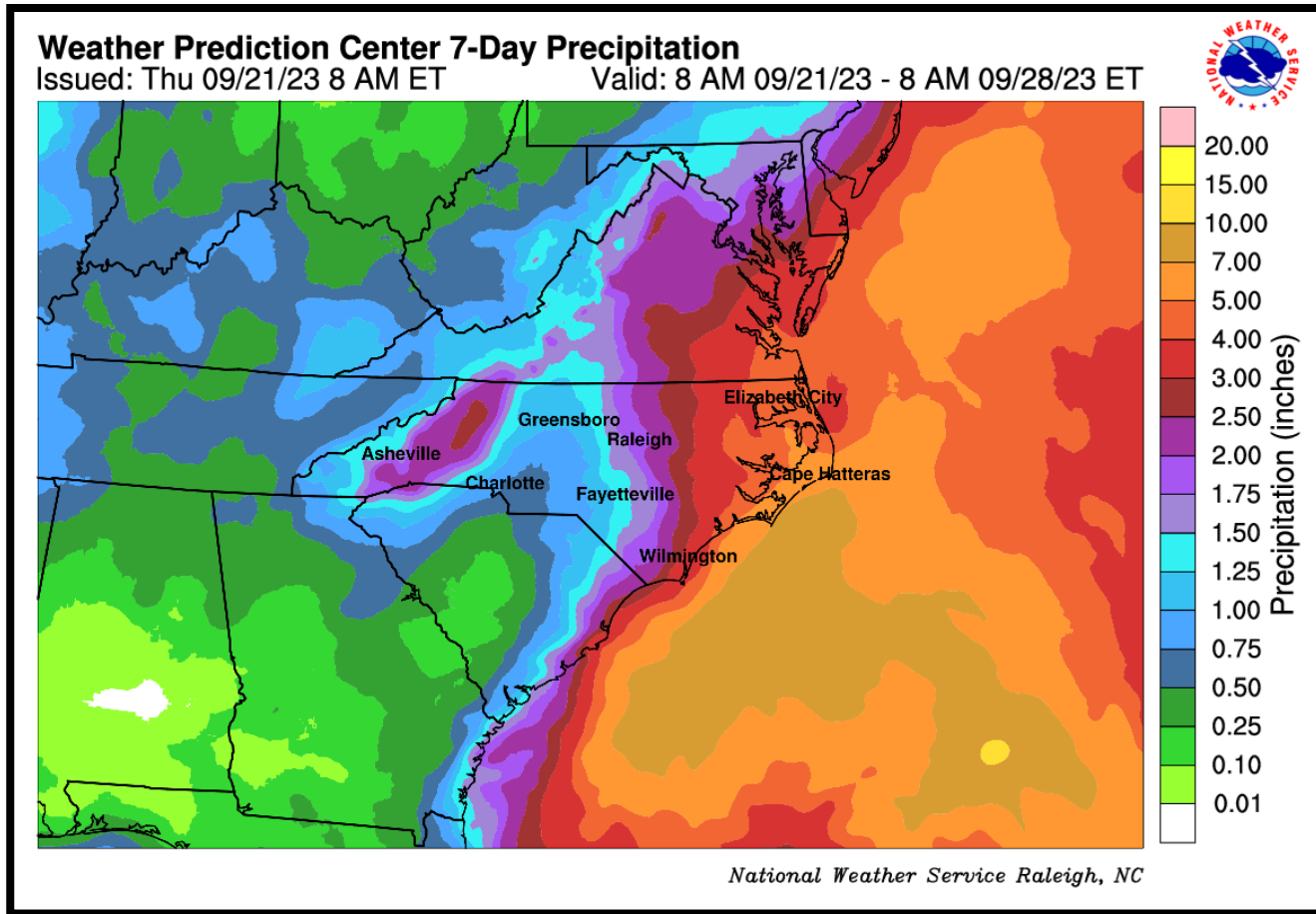
Tuesday



Wednesday



Seven-Day Total Precipitation Forecast



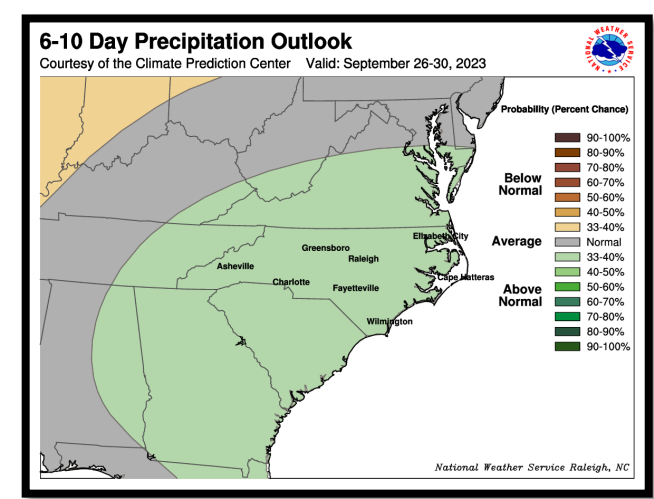
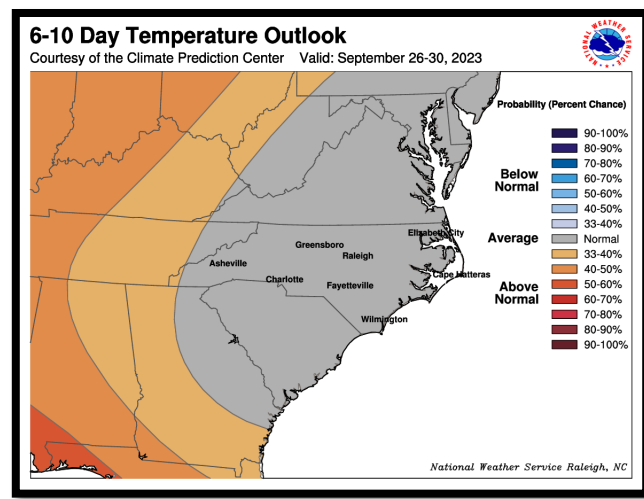
Courtesy of the Weather Prediction Center (www.wpc.ncep.noaa.gov)

Extended Outlooks

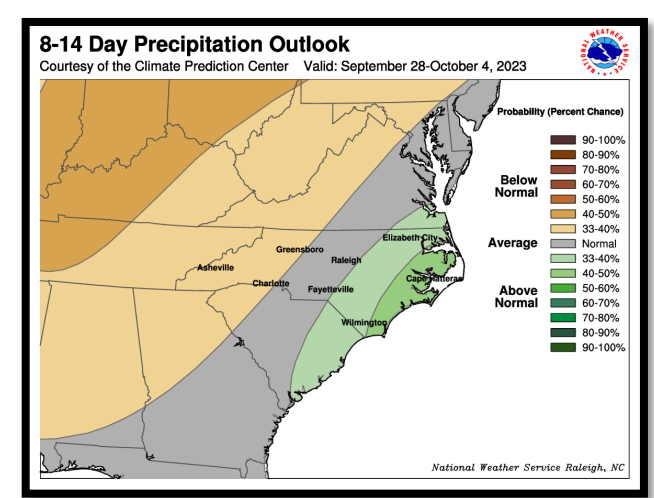
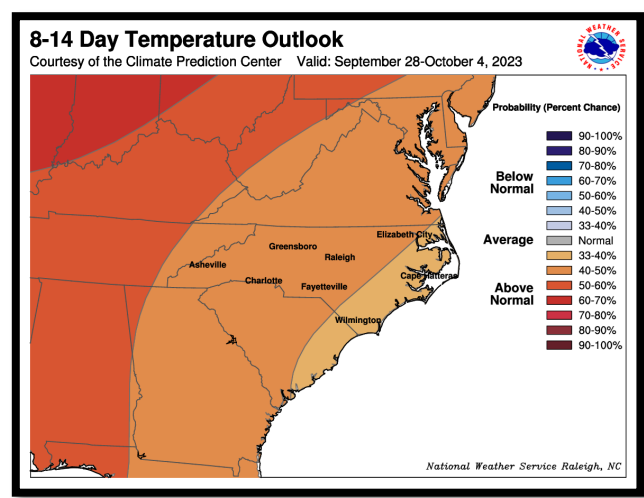
Temperature

Precipitation

6-10 Day



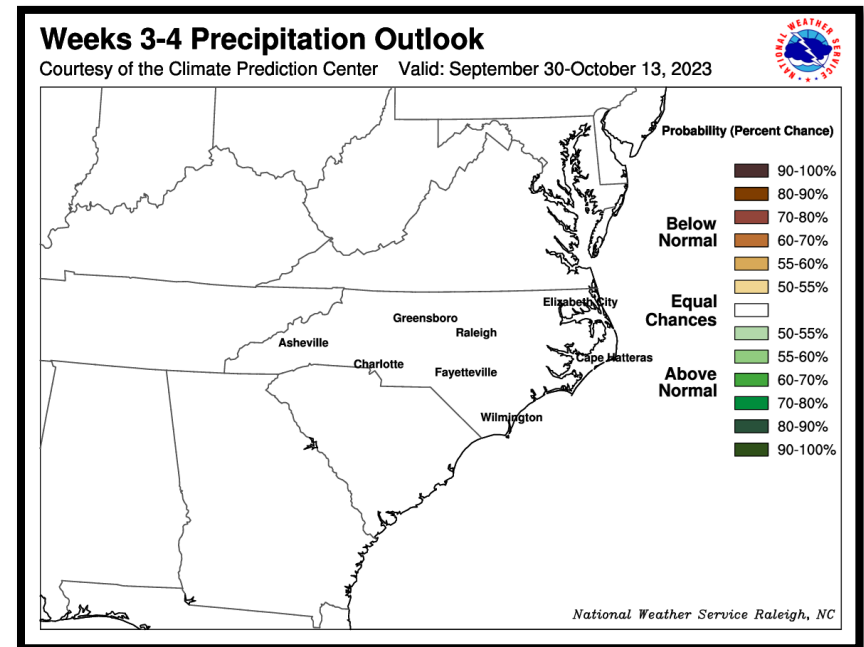
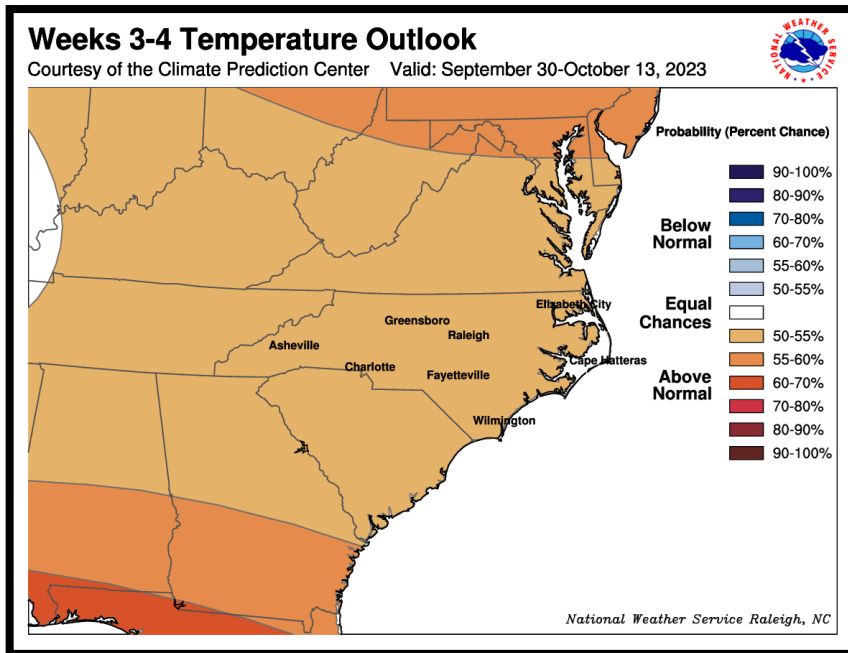
8-14 Day



Extended (3-4 Week) Outlooks

Temperature

Precipitation

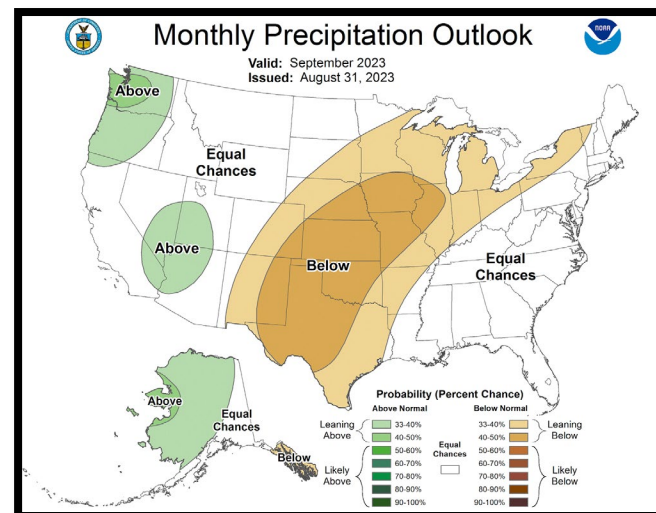
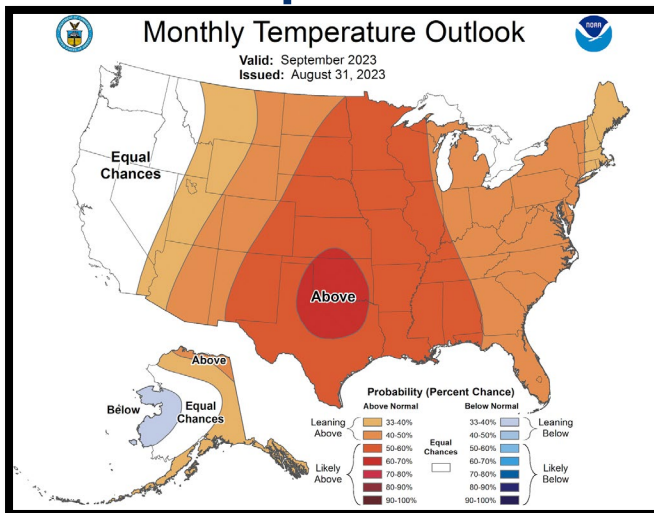


Seasonal Outlooks

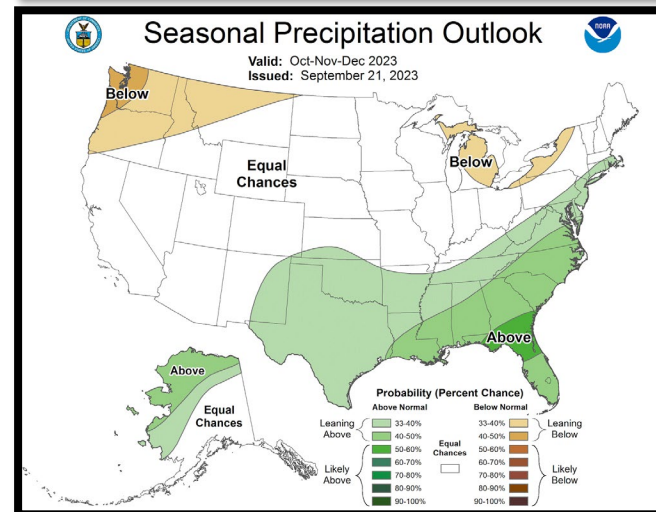
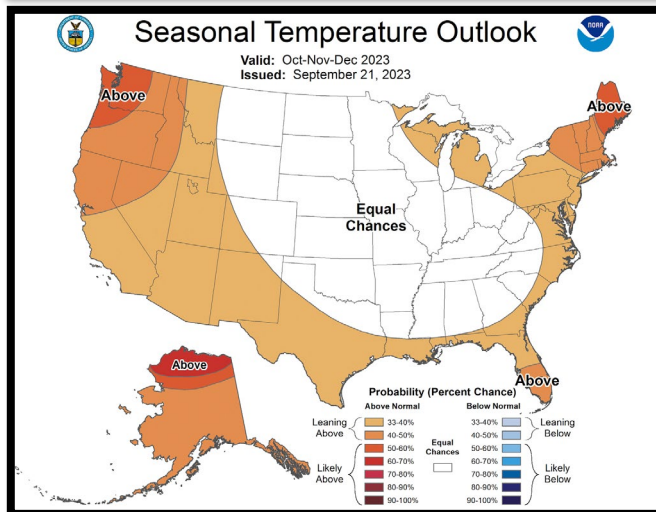
Temperature

Precipitation

One Month



Three Months

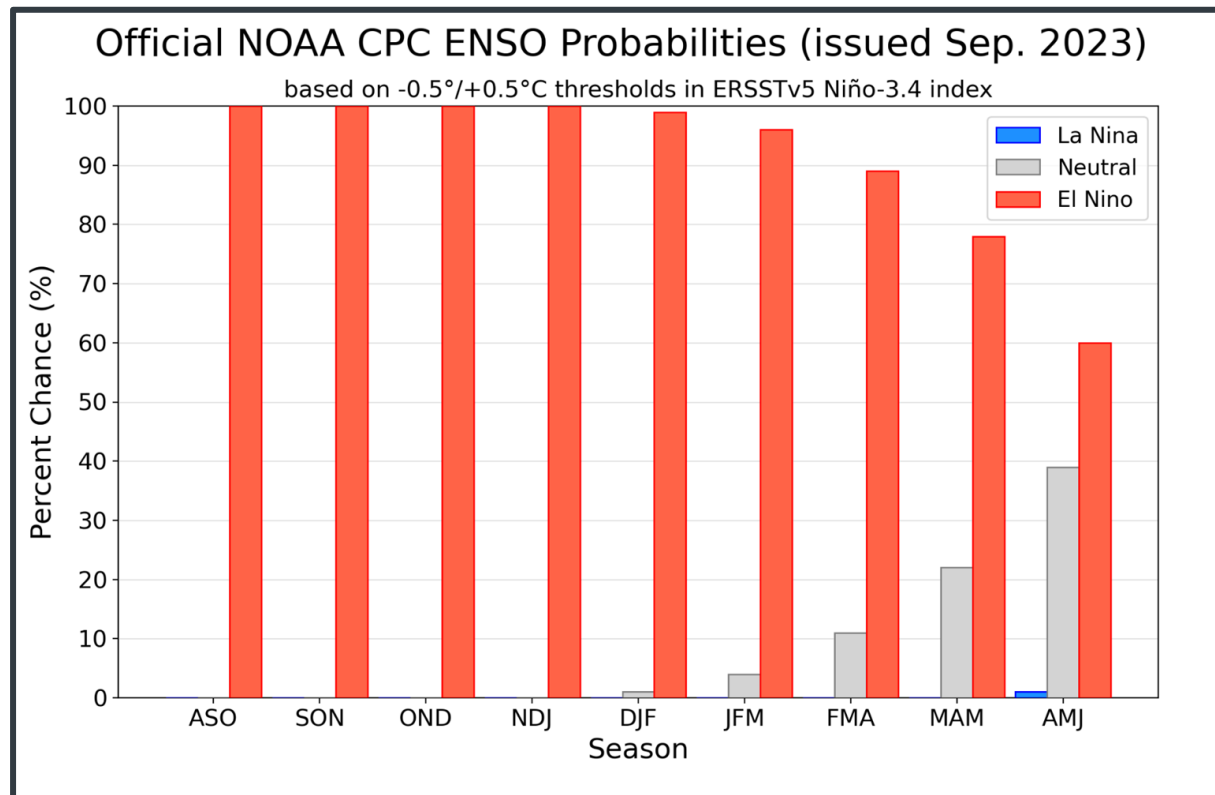


CPC/IRI Probabilistic ENSO Outlook

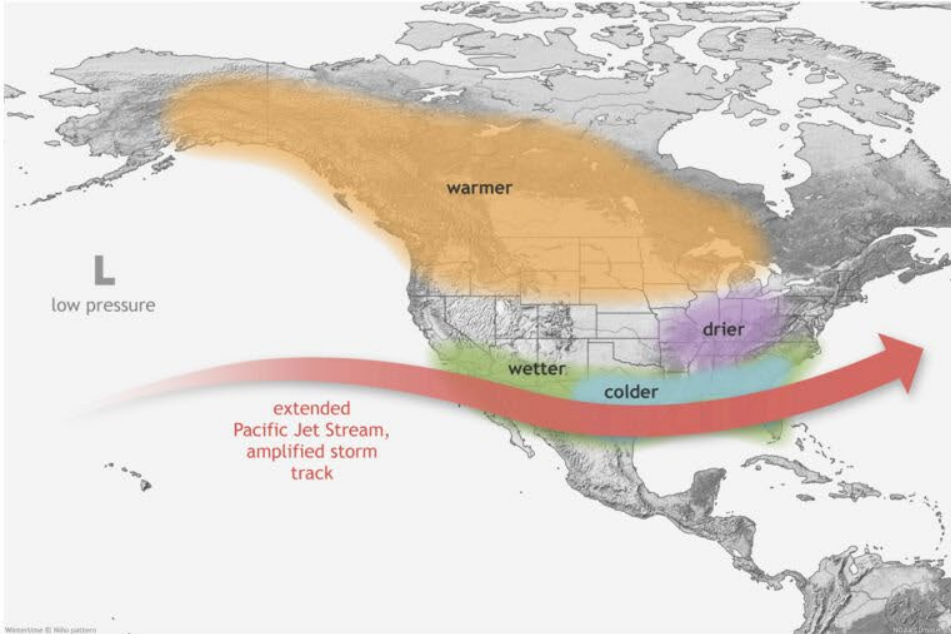
Updated: September 14, 2023

ENSO Alert System Status: El Niño Advisory

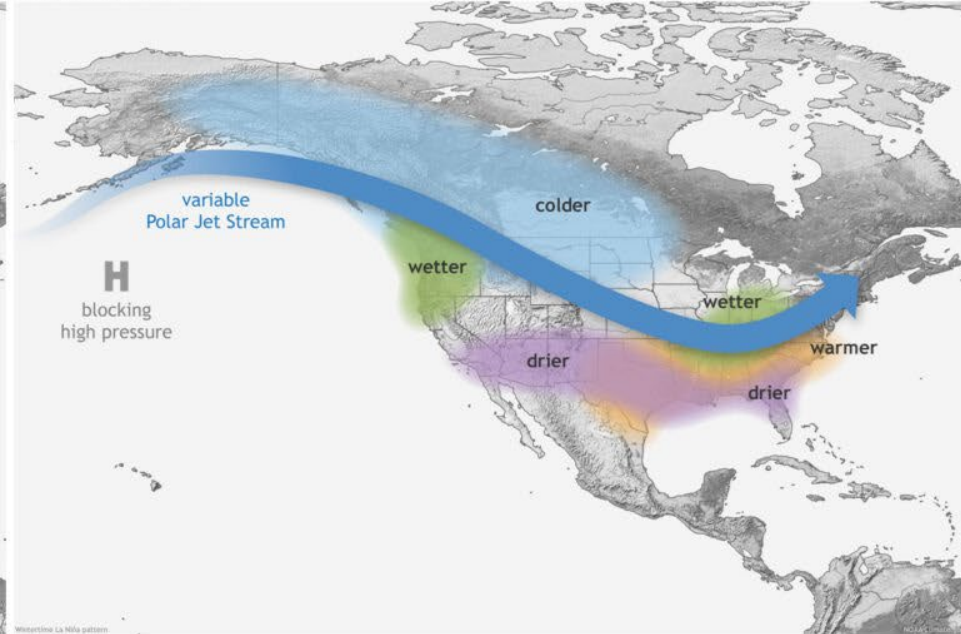
El Niño is anticipated to continue through the Northern Hemisphere winter (with greater than 95% chance through January - March 2024).



TYPICAL EL NIÑO WINTERS



TYPICAL LA NIÑA WINTERS



(Graphic from NOAA's climate.gov)

El Niño winters favor cooler and wetter conditions across the Southeast

Barrett Smith
Senior Service Hydrologist
National Weather Service - Raleigh, NC
barrett.smith@noaa.gov