

Weather and Climate Overview

Rebecca Ward

State Climate Office of North Carolina

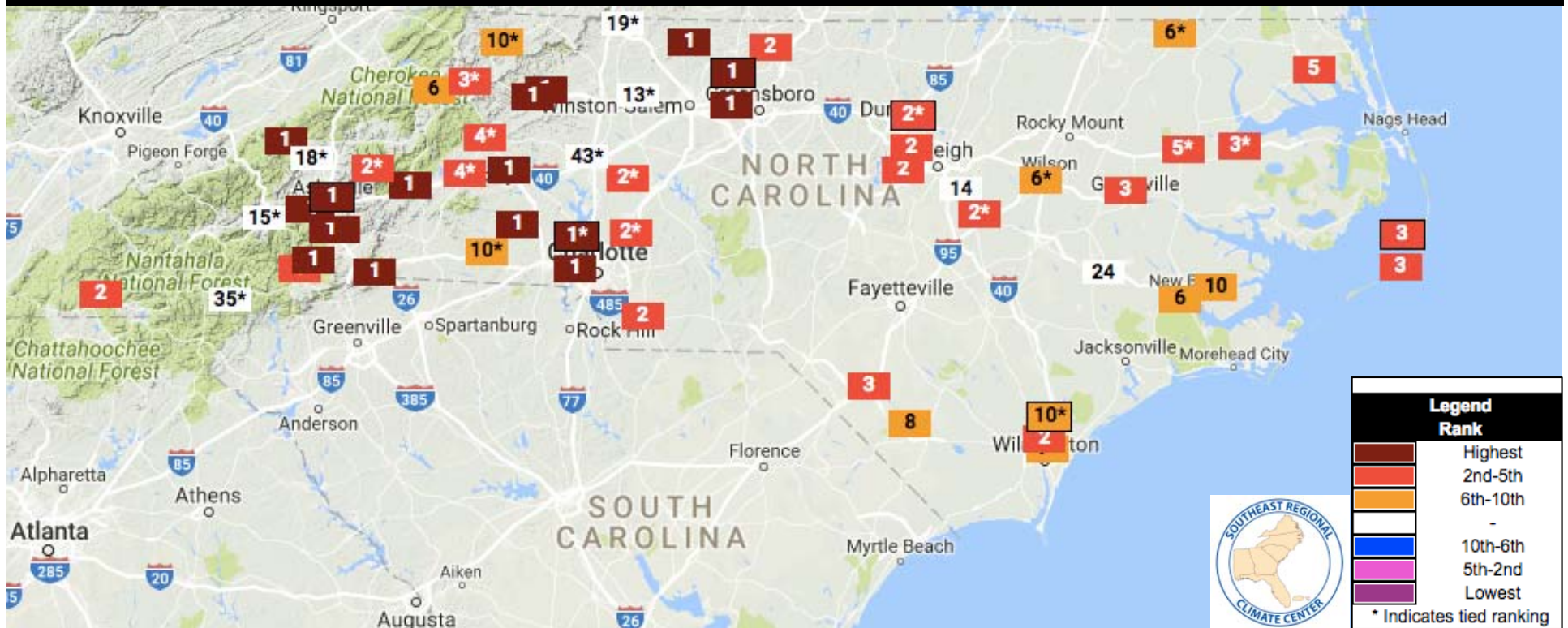
NC DMAC Annual In Person Meeting

April 6, 2017



How did the past year stack up?

Mean temperature rankings for the past year, ending April 4, 2017



Southeast Regional Climate Perspectives: <http://sercc.com/perspectives>



How did the past year stack up?

Total precipitation rankings for the past year, ending April 4, 2017

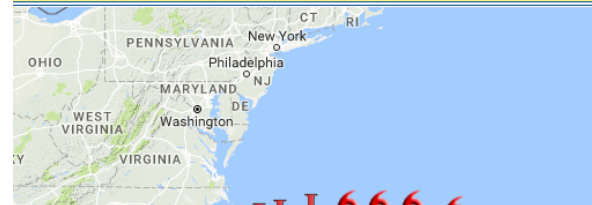


Southeast Regional Climate Perspectives: <http://sercc.com/perspectives>

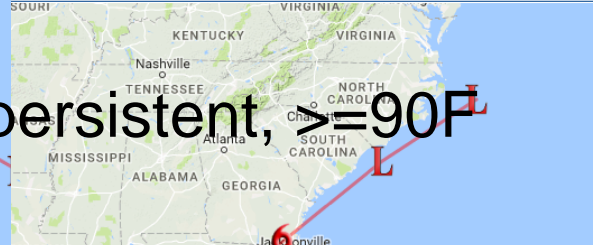
SUMMER 2016

- Summer warm overall:
- Tropical rains in the east:
 - 4th warmest on record
 - June: remnants from
 - Not a lot of heatwaves, but a lot of persistent, $\geq 90^{\circ}\text{F}$ days
- Tropical Storms Bonnie and Colin

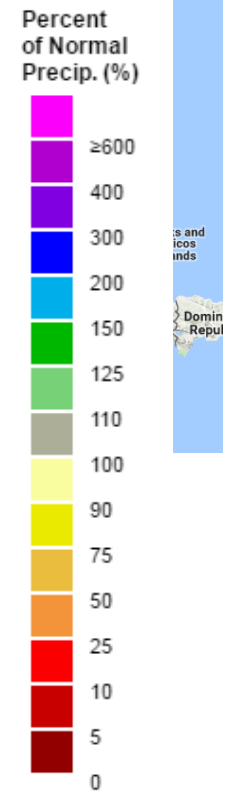
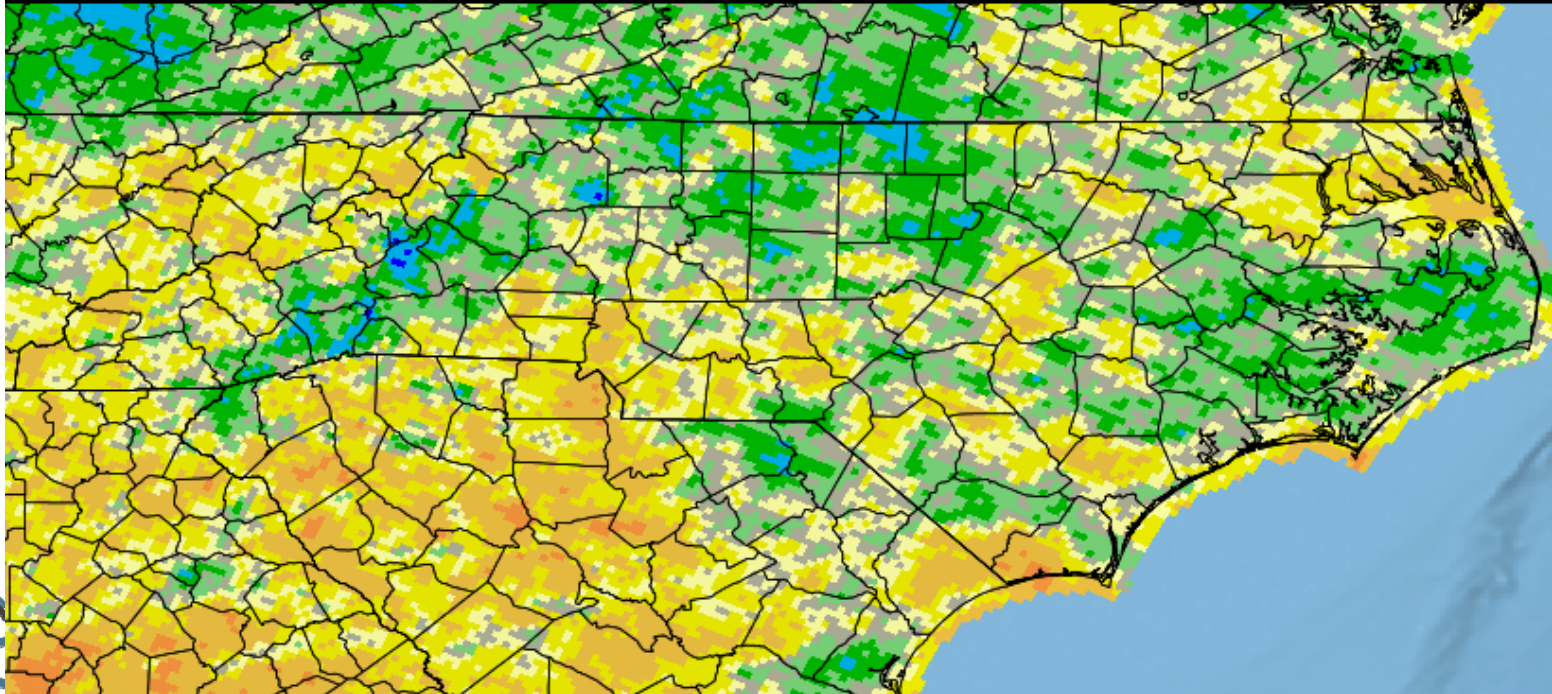
Tropical Storm Bonnie (2016)



Tropical Storm Colin (2016)



Percent of Normal Precipitation for June, July, and August 2016
 (from the Water Portal: <http://climate.ncsu.edu/water/map/>)



FALL 2016

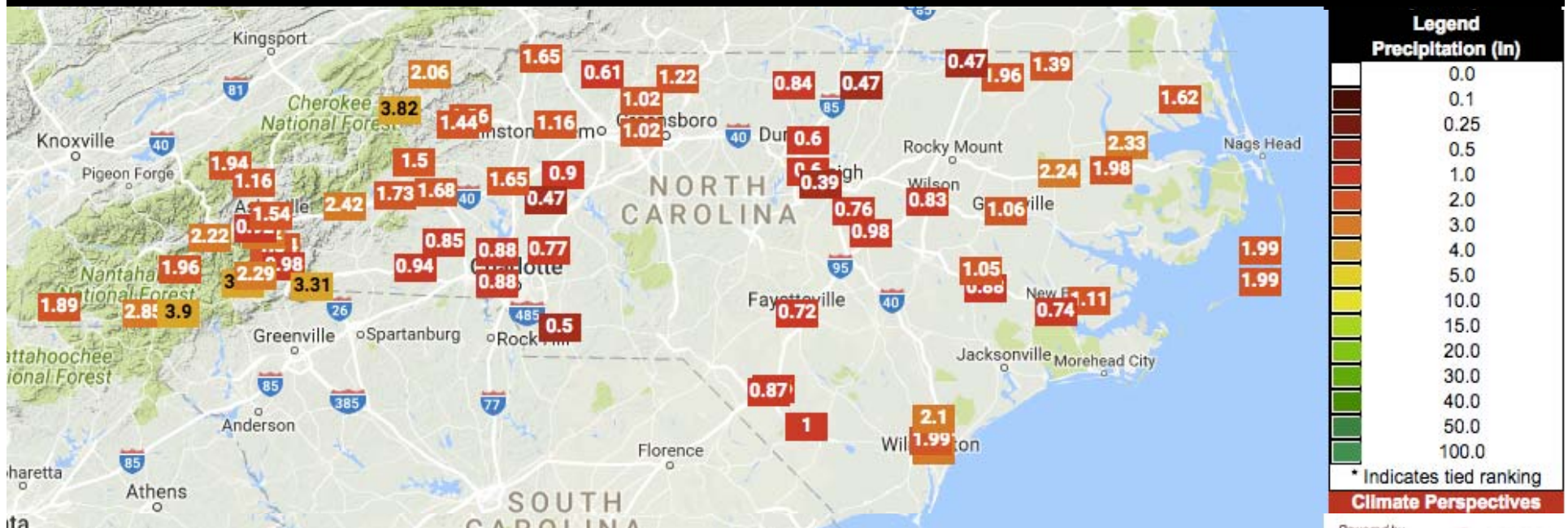
- Remnants from Tropical Storm Julia in mid-September

Tropical Storm Julia (2016)



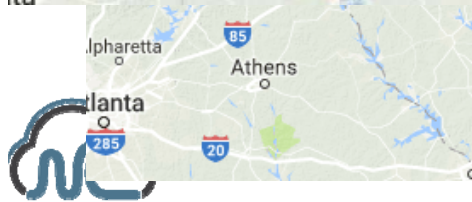
Hurricane Matthew (2016)

Total precipitation (in) for November 2016



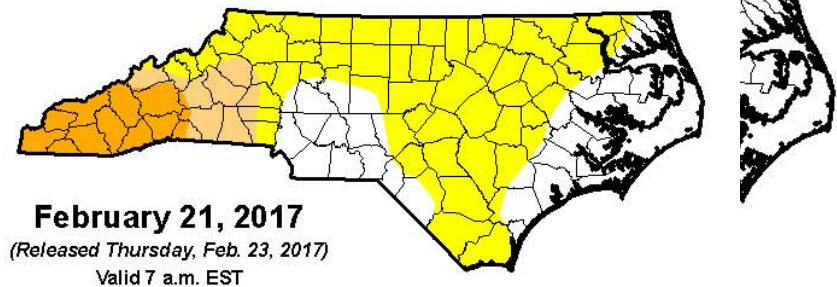
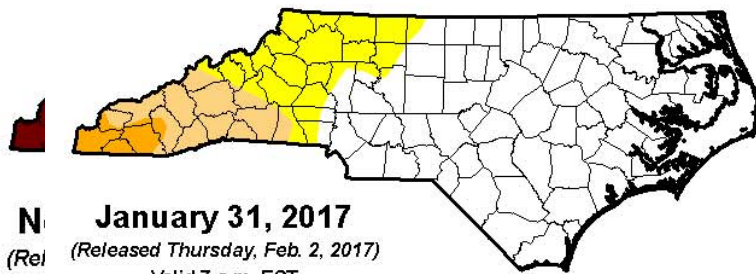

NORTH CAROLINA CLIMATE OFFICE
 @NCSCO

HURRICANE MATTHEW

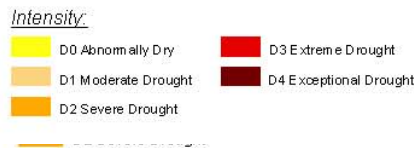


WINTER 2016-2017

- Regular rainfall in December helped alleviate dryness, but not enough to get rid of it
- Snowfall in early January followed by cold temperatures
- Dry



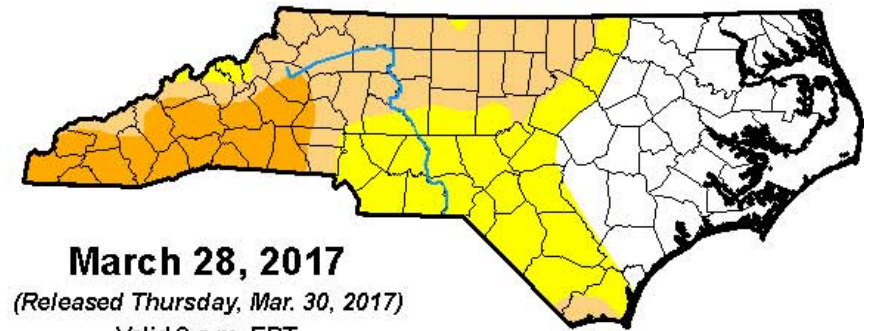
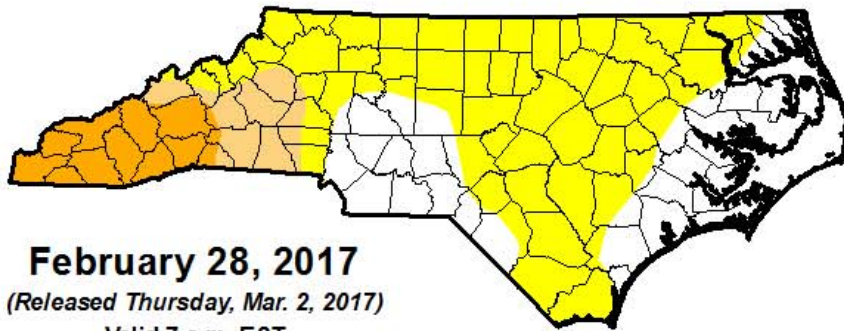
**U.S. Drought Monitor
 North Carolina**



<http://droughtmonitor.unl.edu/>
<http://droughtmonitor.unl.edu/>



SPRING 2017 SO FAR



February 28, 2017
(Released Thursday, Mar. 2, 2017)
Valid 7 a.m. EST

March 28, 2017
(Released Thursday, Mar. 30, 2017)
Valid 8 a.m. EDT

**NORTH CAROLINA
Drought Management
Advisory Council**

<http://www.ncdrought.org>

Intensity:



<http://droughtmonitor.unl.edu/>

- More rain in the past week



Thank You

Rebecca Ward
rvcumbie@ncsu.edu

