

# Climate Review for the month August 2016

Presented by:  
National Weather Service  
Newport/Morehead City

# August 2016 Summary

**The main story for August was the heat. The upper level ridge continued to dominate the region bringing warm and moist southwest flow. Temperatures were one to four degrees above normal across most locations. Several locations across eastern NC ranked the warmest or second warmest August on record, such as Greenville, Williamston, Plymouth, and Cape Hatteras. Combined with high humidity, heat index values reached to 100 to 110 degrees and several heat advisories were issued across eastern NC. Rainfall was below normal for this time of year with only 4 to 7 inches of rain with several locations up to 10 inches.**

*DISCLAIMER : The climate data provided are preliminary and have not undergone final quality control by NCDC. Therefore...this data is subject to revision.*

# Average Temperatures within our CWA in August 2016

	Avg_ Max	Avg_Max Normal	Avg_ Min	Avg_Min Normal
<b>Beaufort</b>	87.7	84.8	76.1	72.8
<b>Cape Hatteras</b>	88.4	84.1	76.1	72.9
<b>New Bern</b>	90.3	87.9	73.1	70.4
<b>Greenville</b>	92.4	88.3	72.7	69.2
<b>Kinston</b>	91.1	89.6	70.5	69.3
<b>Williamston</b>	90.0	87.3	72.7	67.5
<b>Plymouth</b>	89.3	87.8	72.1	68.6
<b>Bayboro</b>	88.4	88	70.6	70

Temperatures were 2 to 4 degrees above normal across the entire region in the month of August.

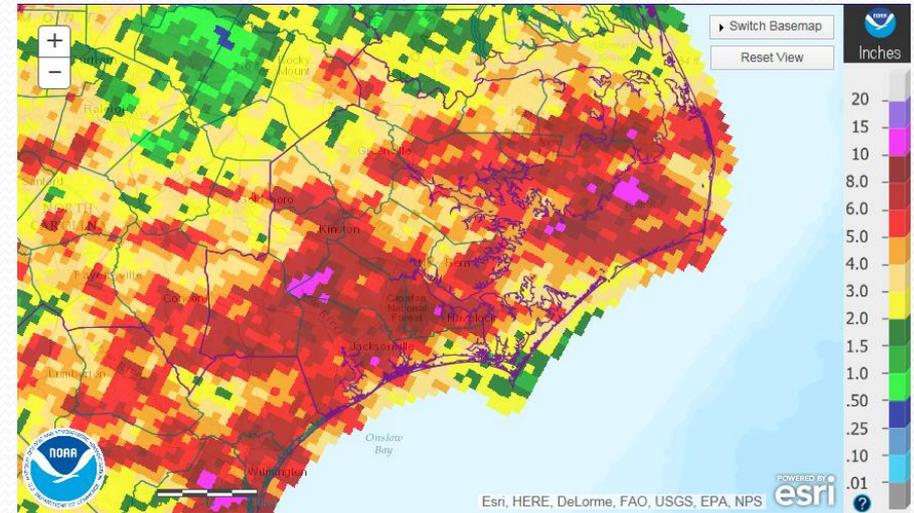
# Max and Min Temperature within our CWA in August 2016.

	MAX	MIN
Beaufort	90	66
Cape Hatteras	94	69
New Bern	95	65
Greenville	97	62
Kinston	96	61
Williamston	95	63
Plymouth	94	60
Bayboro	92	60

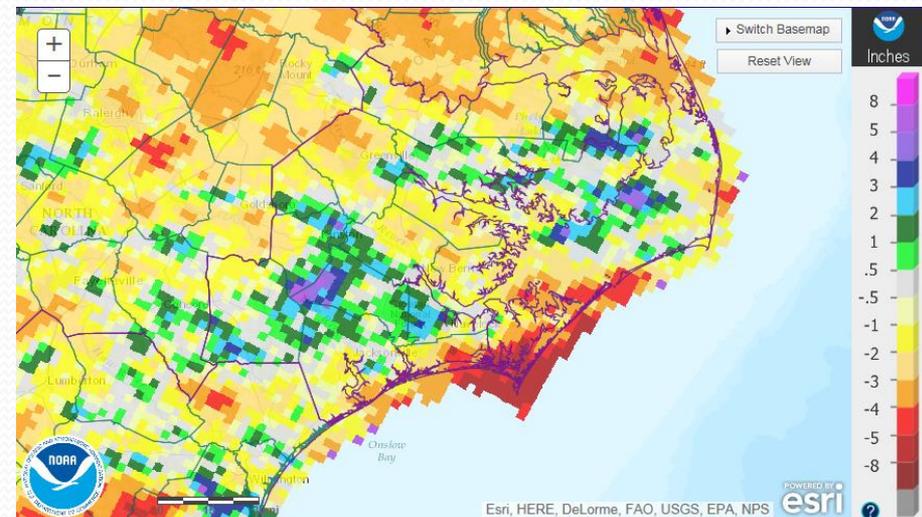
# August 2016 Rain Versus Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	1.15	7.70	-6.55
Cape Hatteras	5.64	6.93	-1.29
New Bern	5.14	6.65	-1.51
Greenville	3.10	6.14	-3.04
Kinston	5.13	5.41	-0.28
Williamston	4.36	5.54	-1.18
Plymouth	3.04	6.28	-3.24
Bayboro	6.76	7.25	-0.49

August was a drier month compared to last month. Rainfall amounts were 4 to 7 inches with several isolated locations up to 10 inches.



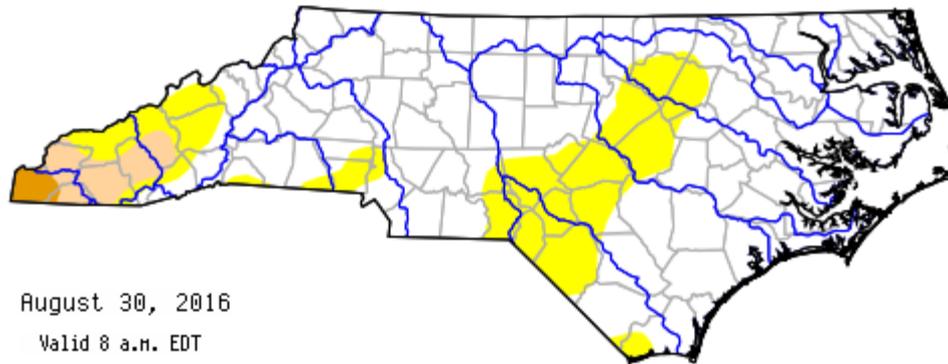
Observed Precipitation



Departure From Normal

# Latest Drought Monitor for North Carolina

## US Drought Monitor of NORTH CAROLINA



August 30, 2016  
Valid 8 a.m. EDT

### Drought Classifications

- D0 - Abnormally Dry
- D1 - Moderate Drought
- D2 - Severe Drought
- D3 - Extreme Drought
- D4 - Exceptional Drought



County Boundaries



Major River Basins ([View Map](#))

**S** = Short-Term, typically <6 months (e.g. agriculture, grasslands)

**L** = Long-Term, typically >6 months (e.g. hydrology, ecology)

The U.S. Drought Monitor focuses on broad scale conditions. Information provided for North Carolina is relative to the information provided from all other states and the North Carolina Drought Management Advisory Council. Local conditions may vary.

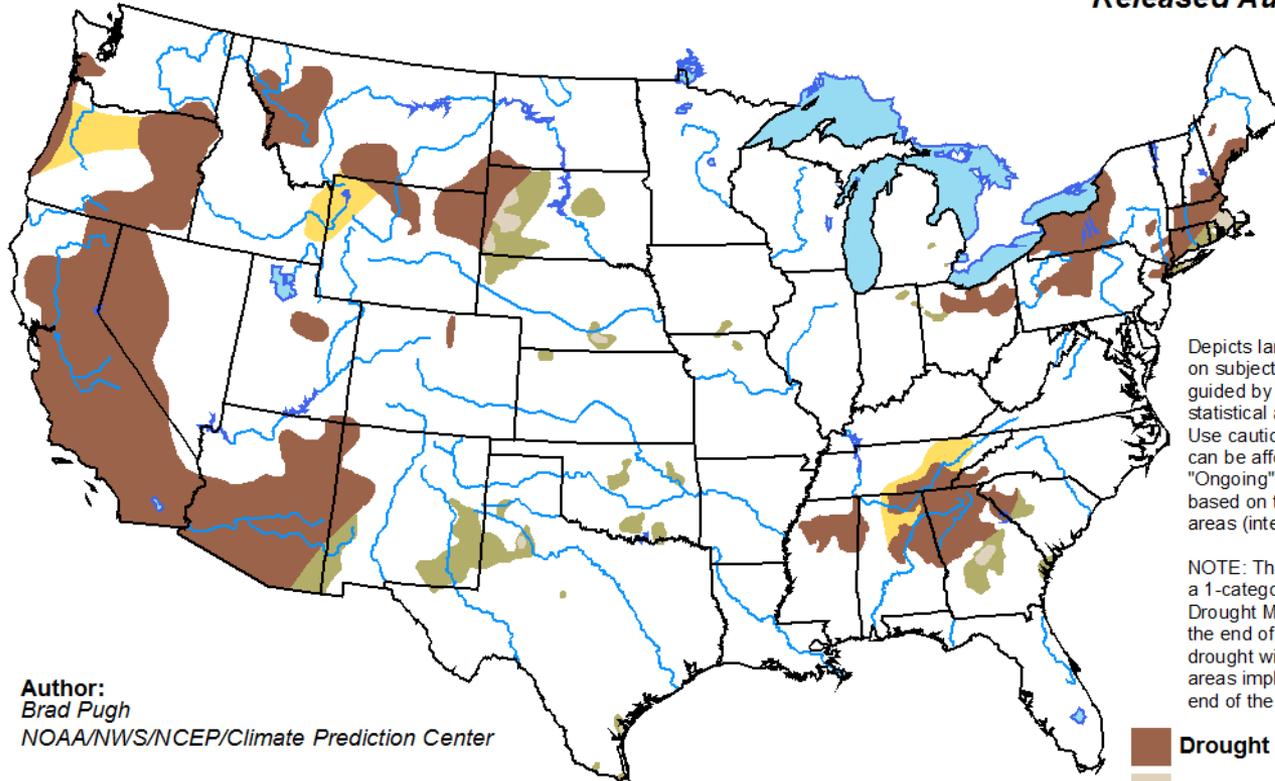
Slight improvement over the western parts of North Carolina, while the central counties are now in abnormally dry. Eastern NC remain with no drought issues.

# Monthly Drought Outlook

For September

## U.S. Monthly Drought Outlook Drought Tendency During the Valid Period

Valid for September 2016  
Released August 31, 2016

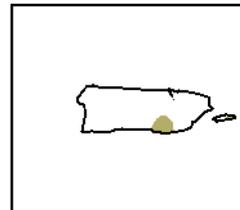
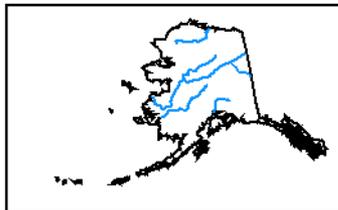


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

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-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZGd>