

Climate Review for the month July 2017

Presented by:
National Weather Service
Newport/Morehead City

July 2017 Summary

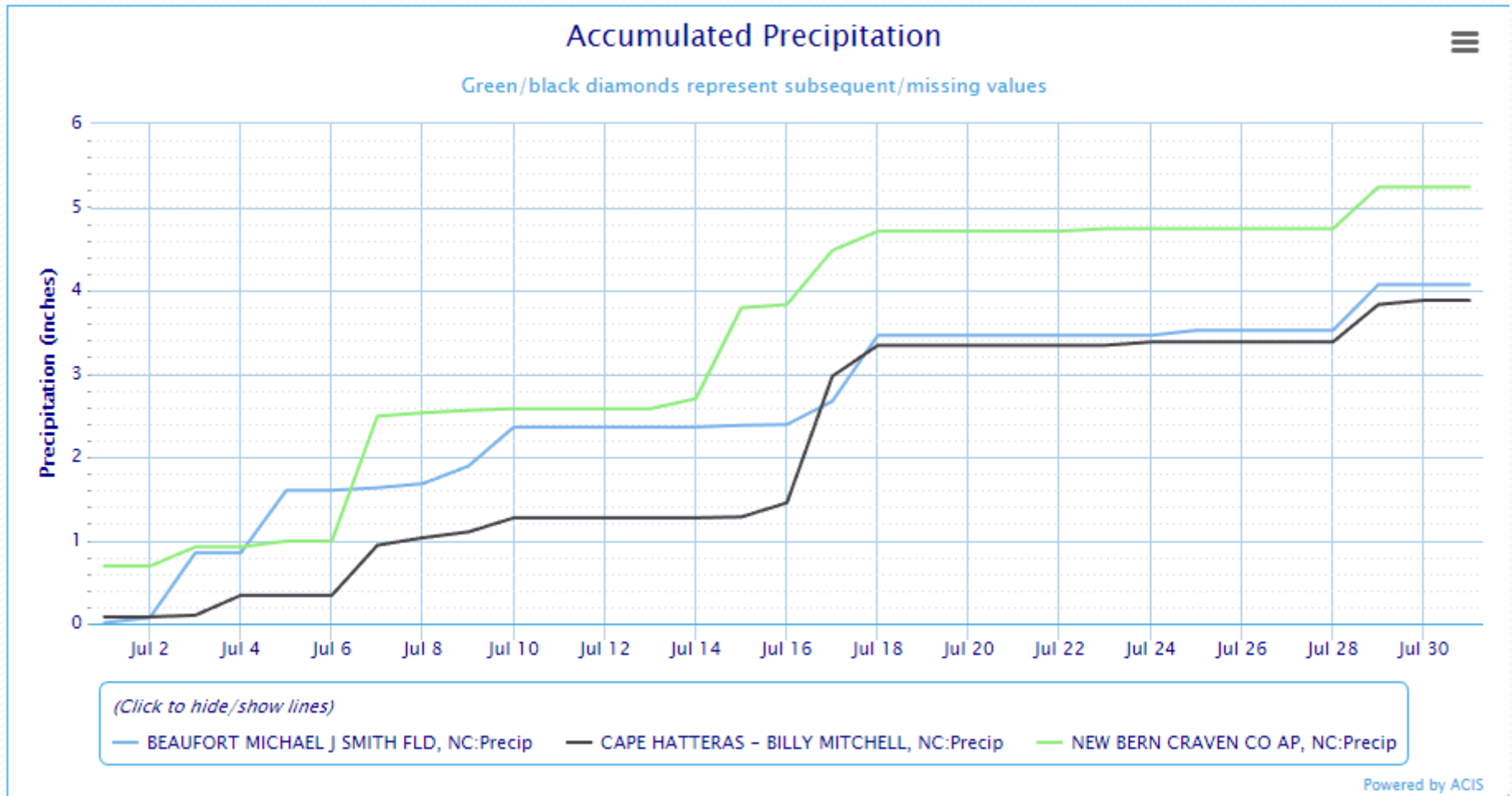
July 2017 was a warm and somewhat dry month across most of eastern North Carolina. Rainfall was below seasonal normals, with the exception of the far northern counties near the Albemarle Sound. Temperatures were 1 to 2 degrees above normal for most areas, but certainly not as warm as the record-breaking temperatures of July 2016. No major severe weather outbreaks occurred during July, but a series of waterspouts was observed over the northern Outer Banks during the late-morning hours of July 10. One of the waterspouts produced minor damage near Kitty Hawk.



Waterspout near Kitty Hawk
Photo: Bill Oglesby

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

July 2017 Precipitation



Graph of accumulated rainfall for Beaufort, New Bern and Cape Hatteras for July 2017. Except for the far northern counties, most of the area was a bit below normal for the month.

Average Temperatures within our CWA in July 2017

| | Avg Max | Avg_Max Normal | Avg_Min | Avg_Min Normal |
|----------------------|---------|----------------|---------|----------------|
| Beaufort | 86.0 | 85.8 | 75.4 | 74.2 |
| Cape Hatteras | 85.5 | 84.6 | 75.2 | 73.6 |
| New Bern | 90.3 | 89.5 | 72.5 | 71.6 |
| Greenville | 90.7 | 89.9 | 71.9 | 70.7 |
| Kinston | 91.3 | 91.0 | 72.8 | 71.0 |
| Williamston | 89.5 | 88.6 | 71.8 | 68.9 |
| Plymouth | 88.7 | 89.4 | 71.4 | 70.0 |
| Bayboro | 88.4 | 89.3 | 71.4 | 71.4 |
| | | | | |

Temperatures were a degree or two above normal values at most locations in eastern NC.

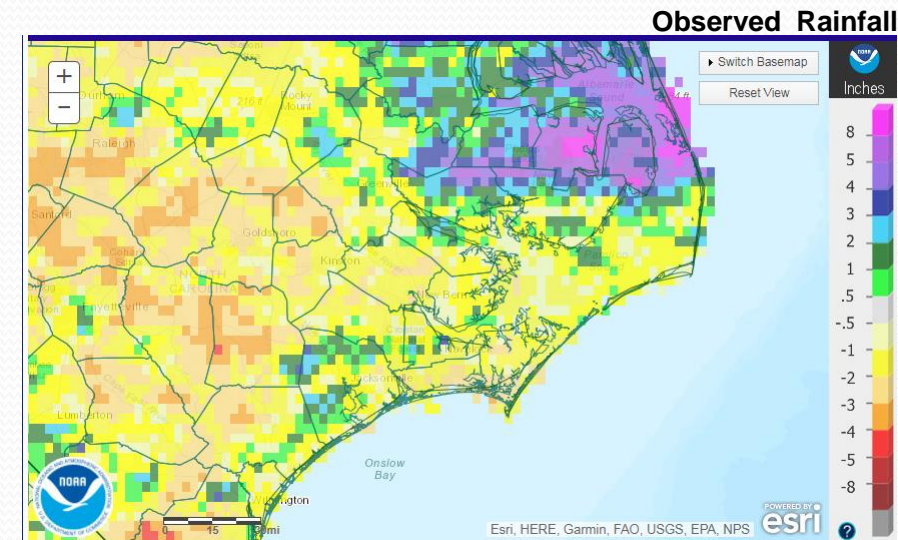
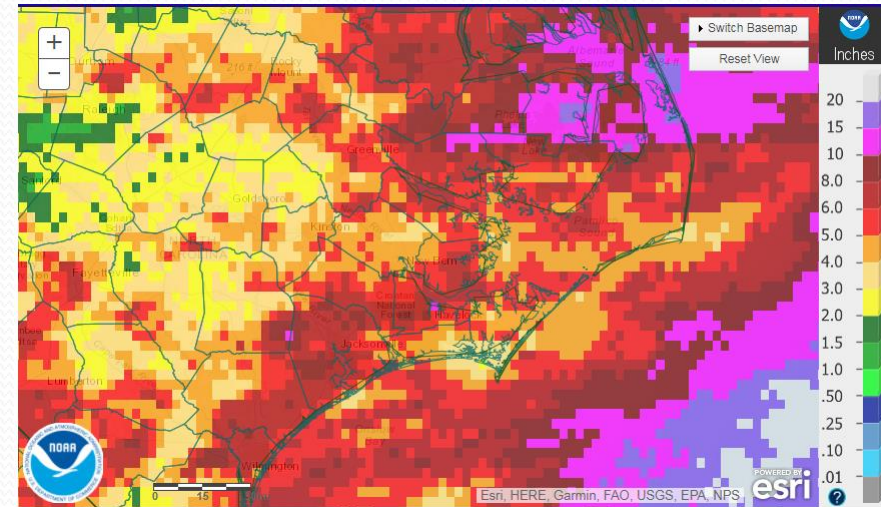
Temperature Extremes within our CWA in July 2017.

| | MAX | MIN |
|---------------|-----|-----|
| Beaufort | 89 | 66 |
| Cape Hatteras | 89 | 69 |
| New Bern | 95 | 63 |
| Greenville | 98 | 58 |
| Kinston | 96 | 57 |
| Williamston | 96 | 58 |
| Plymouth | 94 | 59 |
| Bayboro | 93 | 58 |

July 2017 Rain Versus Climate Normal

| | Precipitation (inches) | Normal | Difference |
|---------------|------------------------|--------|------------|
| Beaufort | 4.07 | 6.02 | -1.95 |
| Cape Hatteras | 4.99 | 4.99 | 0 |
| New Bern | 5.24 | 6.17 | -0.93 |
| Greenville | 5.59 | 5.39 | 0.20 |
| Kinston | 3.06 | 5.58 | -2.52 |
| Williamston | 6.44 | 5.29 | 1.15 |
| Plymouth | 5.18 | 5.34 | -0.16 |
| Bayboro | 6.15 | 6.27 | -0.12 |

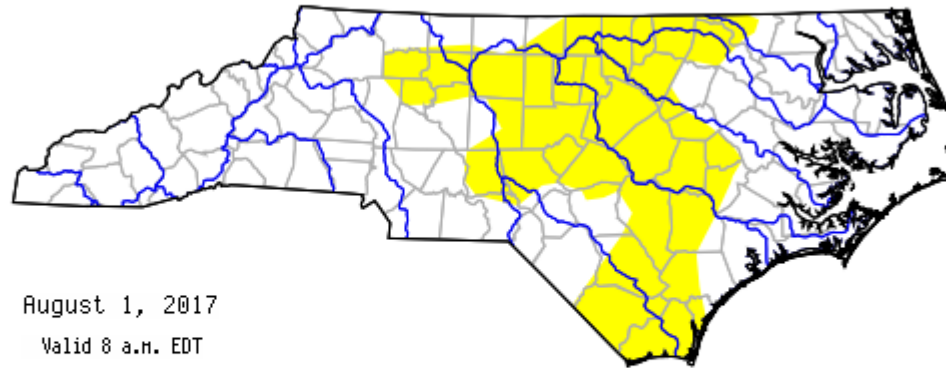
Rainfall was mostly below normal across eastern NC in July. The exception was the far northern counties near the Albemarle Sound and a few other isolated spots that had rainfall that was well above seasonal normals.



Departure from Normal

Latest Drought Monitor for North Carolina

US Drought Monitor of NORTH CAROLINA



August 1, 2017

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.

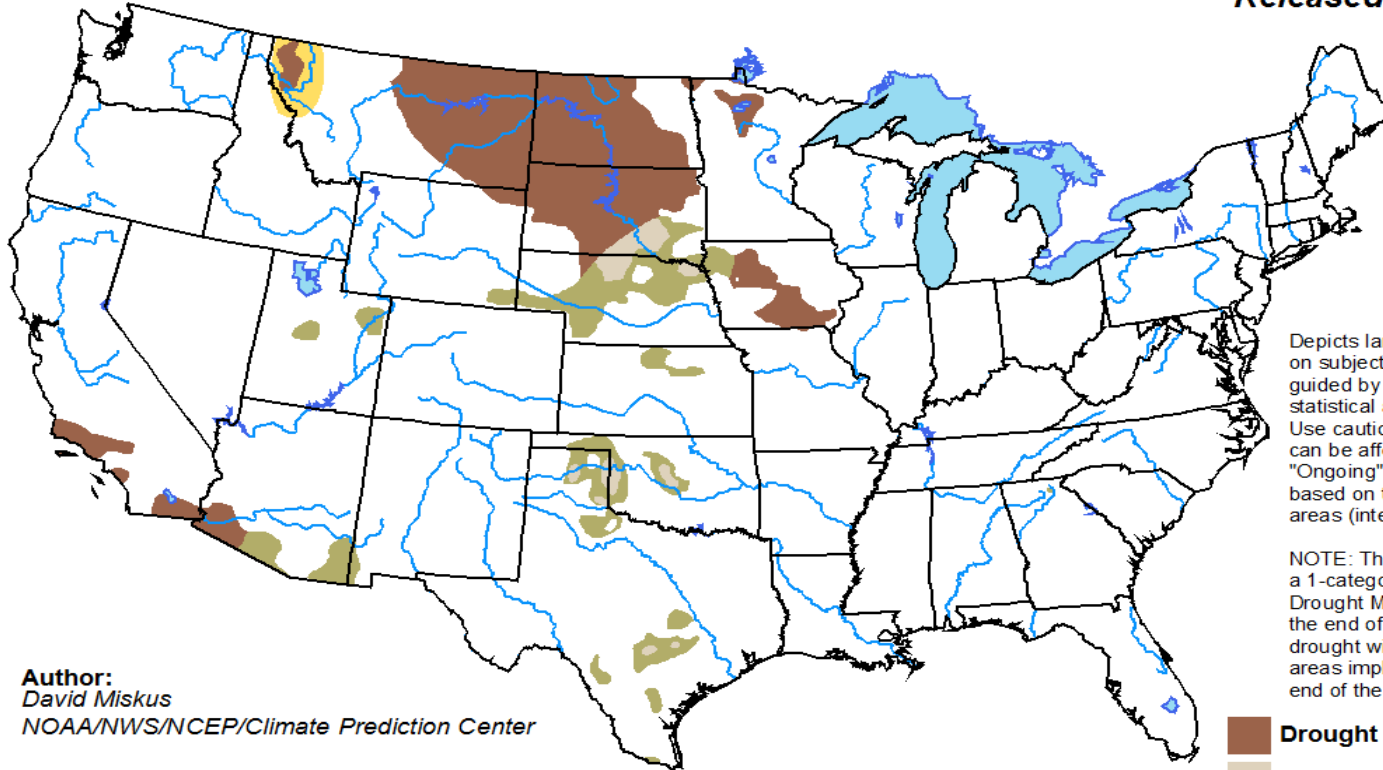
Some abnormally dry conditions have developed across Duplin, Lenoir and Greene Counties, extending west into the central portion of North Carolina.

Monthly Drought Outlook

For August

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

Valid for August 2017
Released July 31, 2017

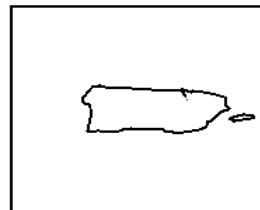
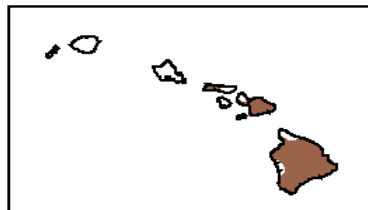
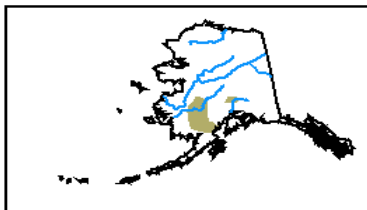


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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