Climate Review for the month of July 2015

Presented by:

National Weather Service

Newport/Morehead City

Summary

Temperatures were fairly close to normal in July 2015, while rainfall was quite variable across the region. While most of the month was fairly normal for July, there were a few significant weather events during the month. The most notable was a cluster of severe thunderstorms that affected Carteret and Craven Counties on July 23rd, producing strong winds, very intense lightning that caused several house fires, and over 3 inches of rainfall in a 2 to 4 hour period.

Average Temperatures within our CWA in July 2015

	Avg_ Max	Avg_Max Normal	Avg_ Min	Avg_Min Normal
Beaufort	86.3	85.8	75.2	74.2
Cape Hatteras	86.1	84.6	74.7	73.6
New Bern	90.1	89.5	72.6	71.6
Greenville	90.6	89.9	71.6	70.7
Williamston	89.0	88.6	70.8	68.9
Plymouth	89.6	89.4	70.9	70.0
Bayboro	88.6	89.3	70.5	71.4

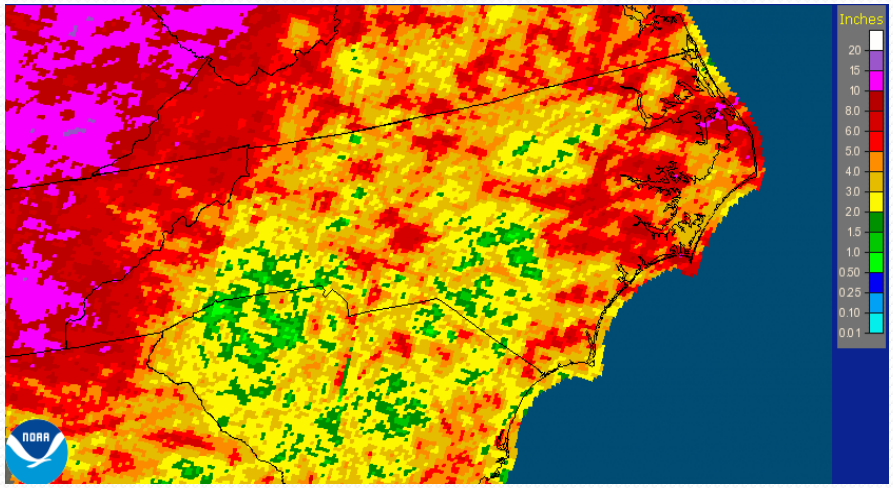
Average temperatures were close to normal values for July.

Max and Min Temperature within our CWA in July 2015.

	MAX	MIN
Beaufort	91	67
Cape Hatteras	92	69
New Bern	97	62
Greenville	96	63
Williamston	95	63
Plymouth	95	60
Bayboro	95	60

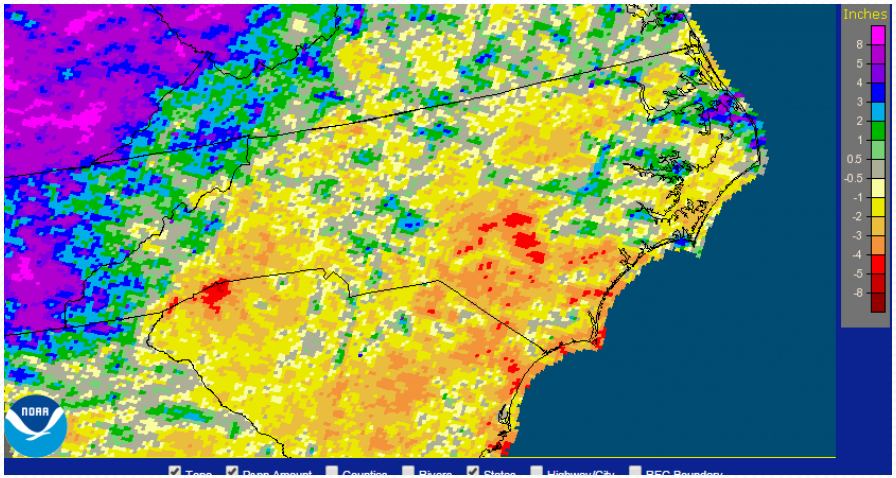
July 2015 Rain versus Climate Normal

	Precipitation (inches)	Normal	Differences
Beaufort	4.45	6.02	**-1.57**
Cape Hatteras	5.67	4.99	**0.68**
New Bern	7.85	6.17	**1.68**
Greenville	6.54	5.39	**1.15**
Williamston	3.96	5.29	**-1.33**
Plymouth	4.44	5.34	**-0.90**
Bayboro	3.16	6.27	**-3.11**



Total Precipitation

July 2015 precipitation varied widely across the region, ranging from around 3 inches inland to over 10 inches in some northern areas, with most areas between the 4 and 7 inch range. Areas around the western Pamlico Sound were 2 to 3 inches below normal, while northern areas around Manteo was over 8 inches above normal.



Departure from Normal

U.S. Drought Monitor

August 4, 2015
(Released Thursday, Aug. 6, 2015)
Valid 8 a.m. EDT

Author:
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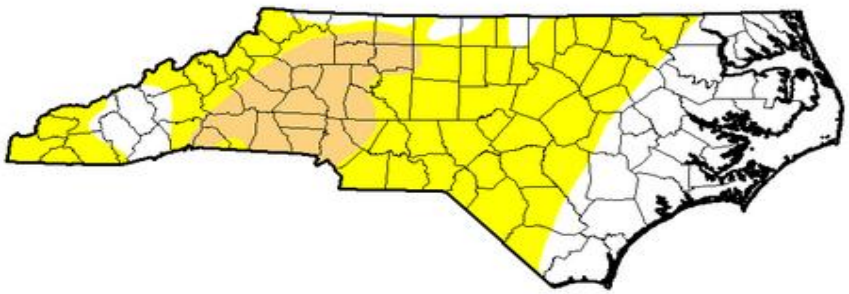
National Drought Mitigation Center

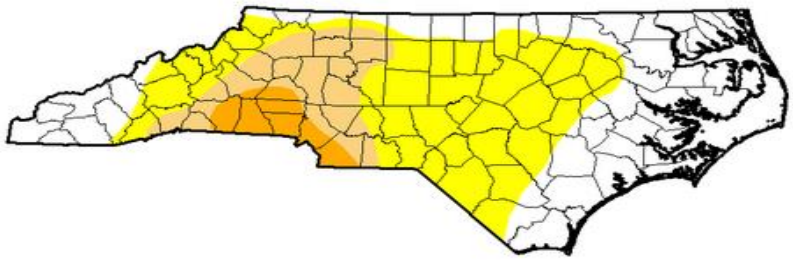
Drought Impact Types:
Delineates dominant impacts
S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

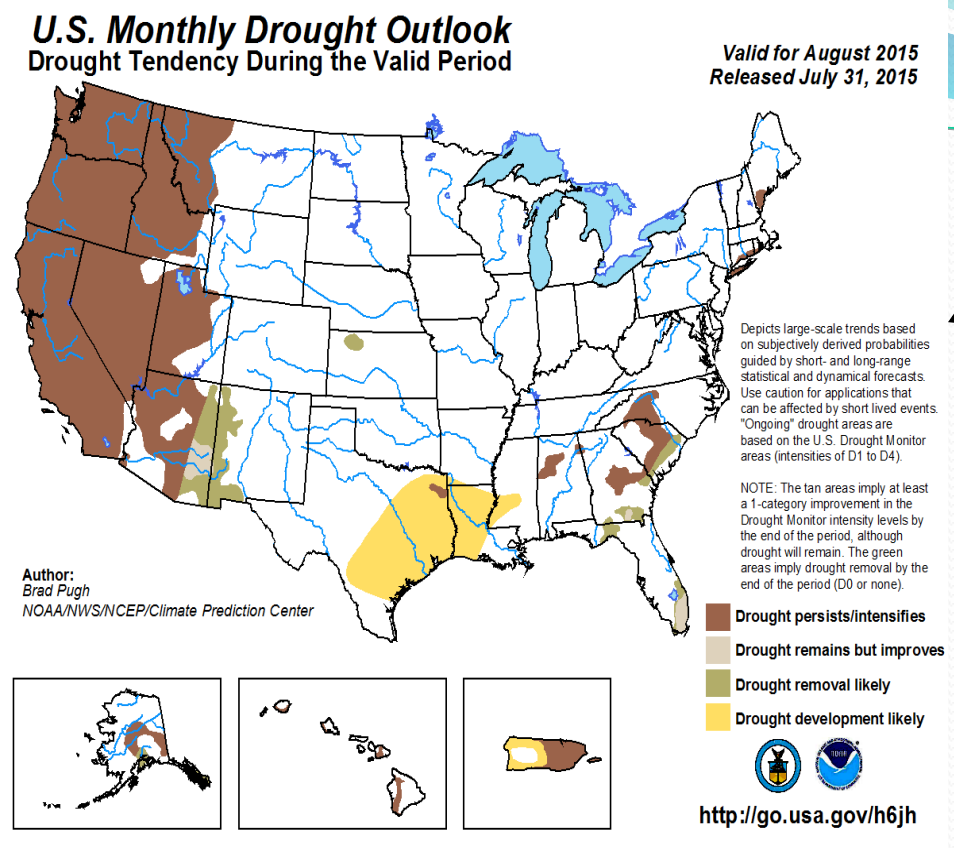
Intensity:
- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

Before



Now





Monthly Drought Outlook

Seasonal Drought Outlook