

Climate Review for the month August 2017

Presented by:
National Weather Service
Newport/Morehead City

August 2017 Summary

Temperatures in August 2017 were pretty much near normal, but portions of eastern North Carolina recorded above normal rainfall with some locations recording upwards of 10 inches for the month. The heaviest rainfall during the month occurred on August 28th and 29th ahead of Potential Tropical Cyclone 10. This system produced up to 5.47 inches of rain in Rodanthe and 5.17 inches at Cedar Island. It also produced peak winds gusts of 51 mph at Jeanette's Pier and 45 mph at Duck.

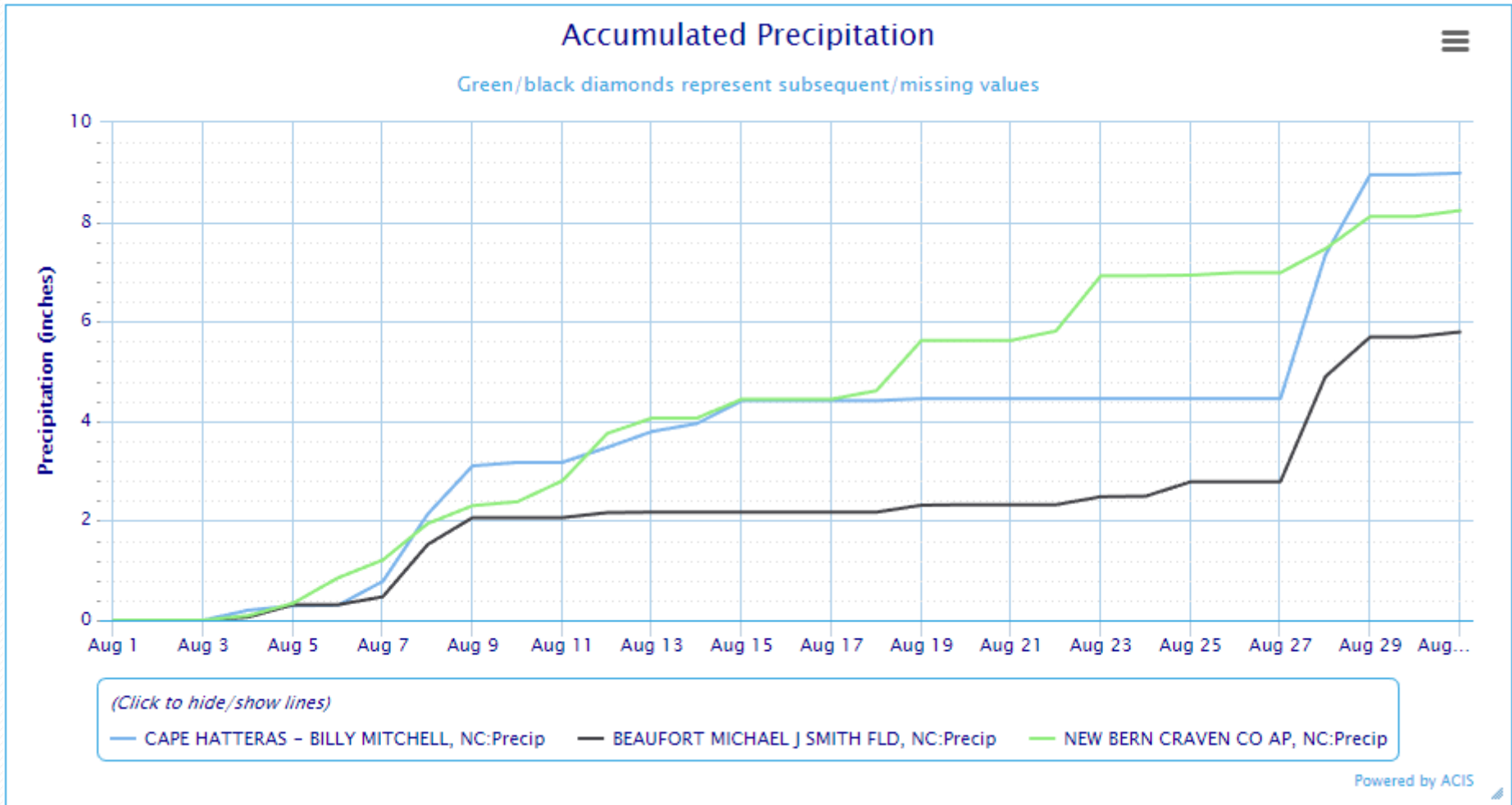


Rough Surf near Nags Head ahead of Potential Tropical Cyclone 10.

Photo: Jackie White

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

August 2017 Precipitation



Graph of accumulated rainfall for Beaufort, New Bern and Cape Hatteras for August. The heaviest rain occurred around August 28-29 with Potential Tropical Cyclone 10.

Average Temperatures within our CWA in August 2017

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	84.3	84.8	72.9	72.8
Cape Hatteras	85.1	84.1	73.6	72.9
New Bern	86.7	87.9	70.8	70.4
Greenville	87.2	88.3	70.2	69.2
Williamston	86.0	87.3	69.9	67.5
Plymouth	85.8	87.8	69.7	68.6
Bayboro	86.2	88	68.9	70

Temperatures in August 2017 were within a degree or two of normal at all locations.

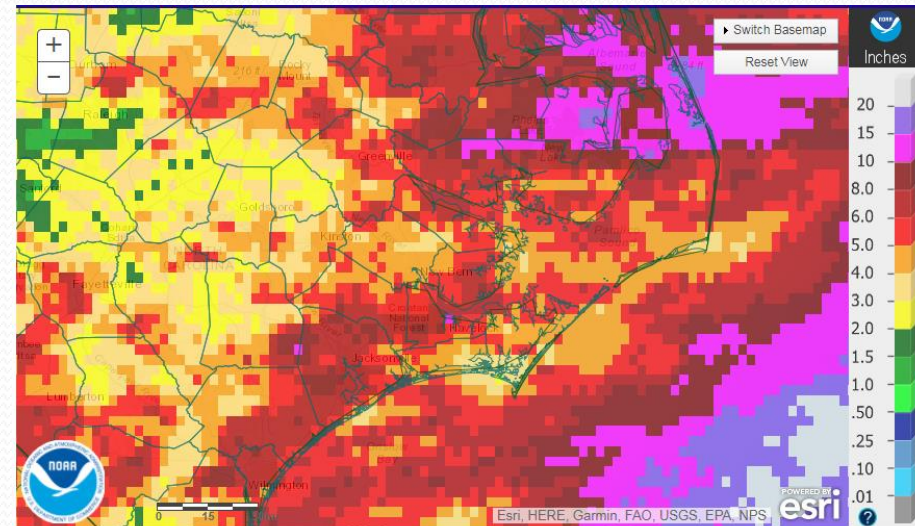
Temperature Extremes within our CWA in August 2017.

	MAX	MIN
Beaufort	89	62
Cape Hatteras	91	62
New Bern	95	58
Greenville	96	59
Williamston	94	59
Plymouth	93	56
Bayboro	94	56

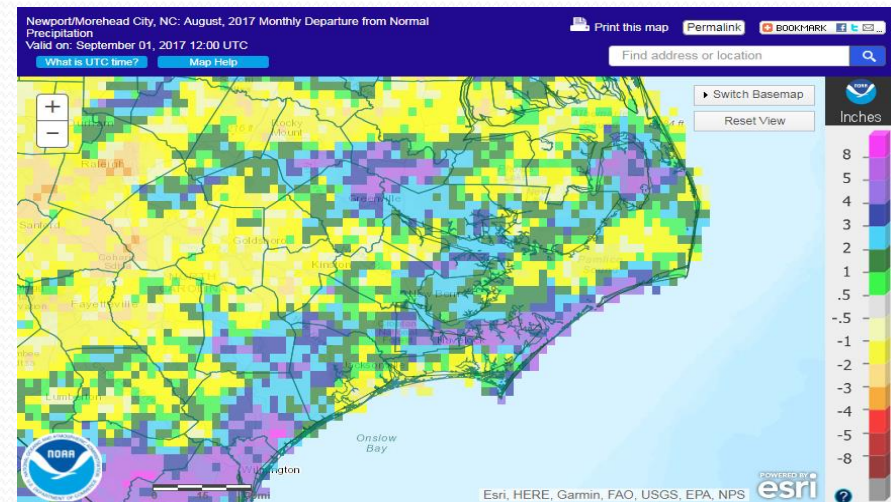
August 2017 Rain Versus Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	5.79	7.70	-1.91
Cape Hatteras	8.98	6.93	2.05
New Bern	8.23	6.65	1.58
Greenville	6.56	6.14	0.42
Williamston	5.10	5.44	-0.34
Plymouth	8.47	6.28	2.19
Bayboro	10.65	7.25	3.40

Rainfall across eastern North Carolina in August 2017 was above normal for all but a few areas in the Coastal Plains.



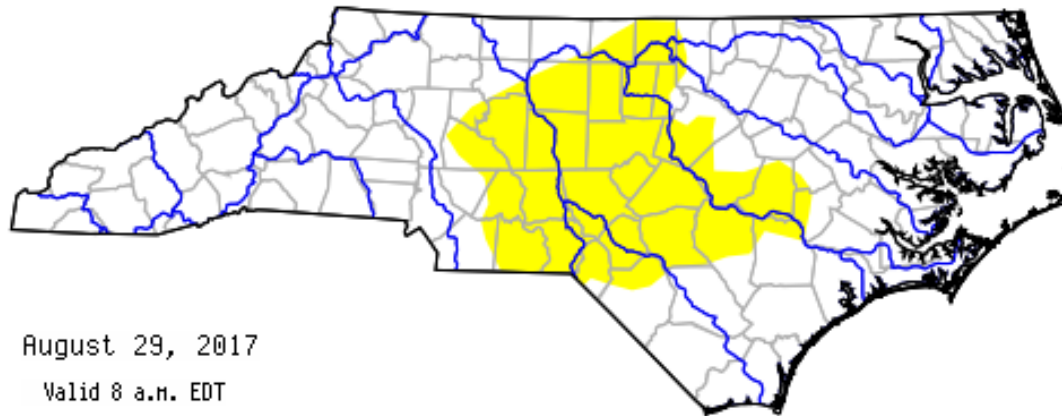
Observed Rainfall



Departure from Normal

Latest Drought Monitor for North Carolina






US Drought Monitor of NORTH CAROLINA



August 29, 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)

[Hi-Resolution Image](#) | [Print Version](#) |

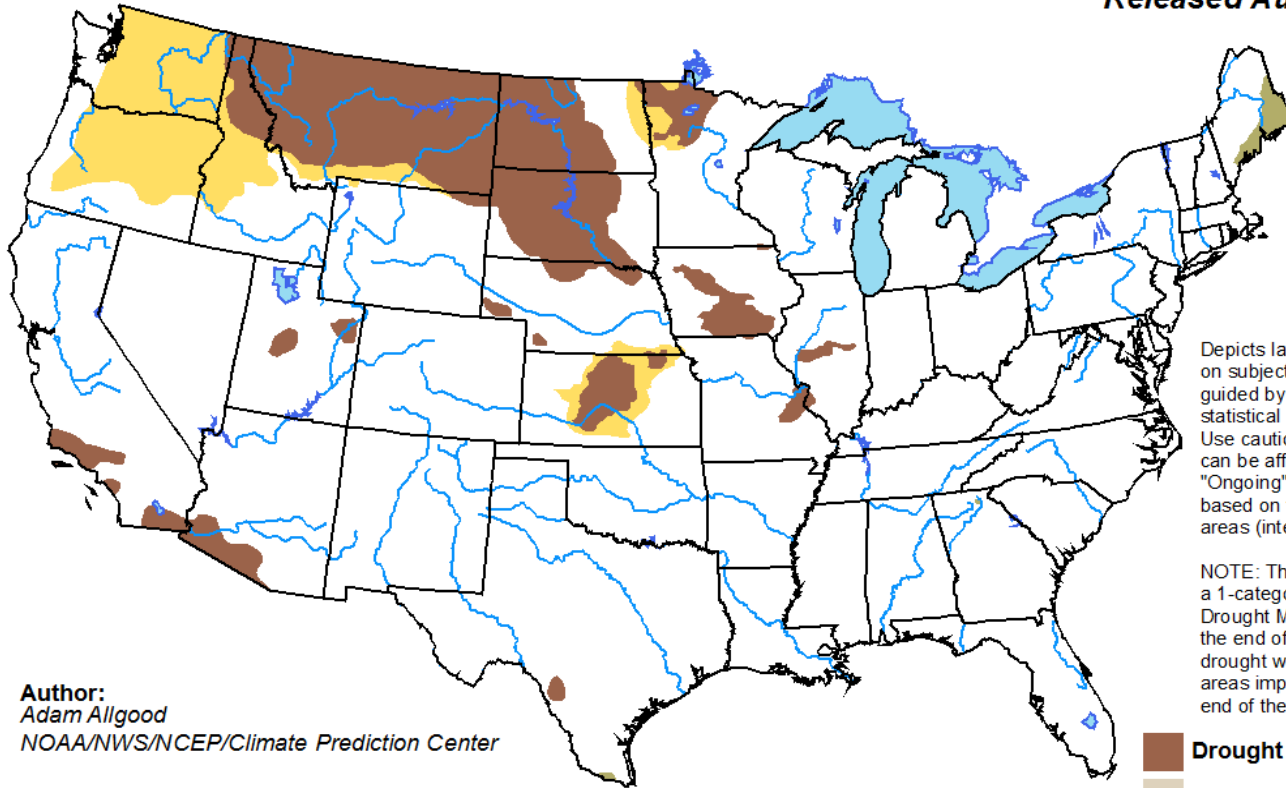
Some abnormally dry conditions continue over the Piedmont section of central North Carolina, extending into portions of Duplin, Lenoir and Greene Counties.

Monthly Drought Outlook

For September

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





Valid for September 2017
Released August 31, 2017

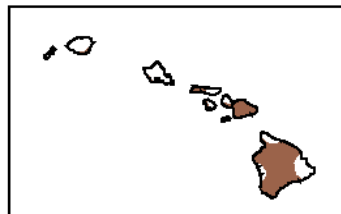
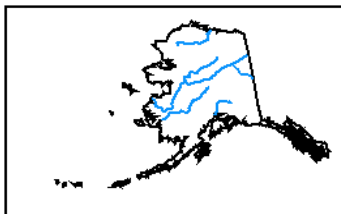


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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