

Climate Review for the month August 2018

Presented by:

National Weather Service
Newport/Morehead City

August 2018 Summary

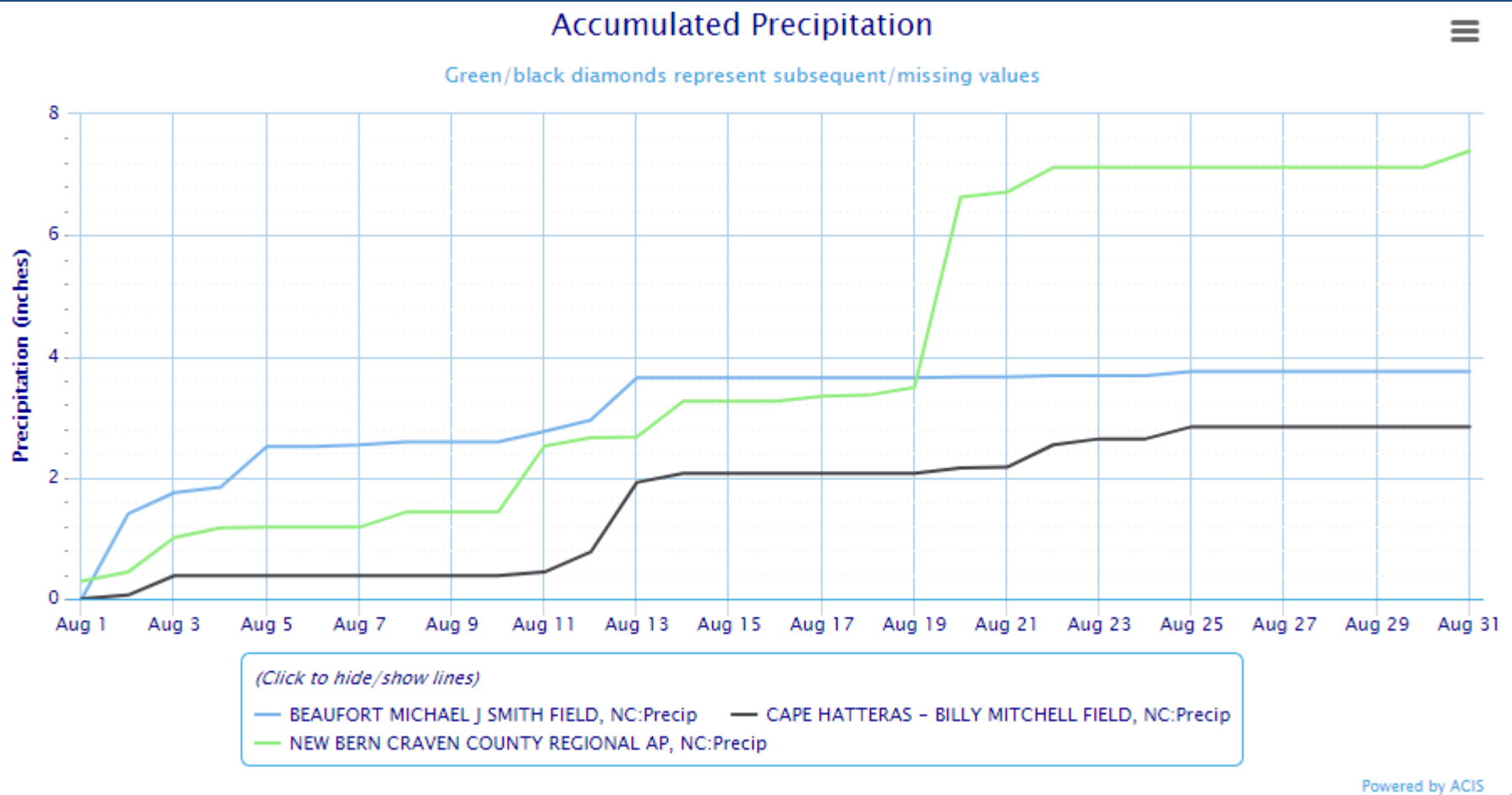
August 2018 was warmer than normal across eastern North Carolina, with variable rainfall. Areas close to the coast were up to 3 to 4 inches below normal on monthly rainfall, while portions of the southern Coastal Plains, especially near New Bern and Kinston were a couple of inches above normal in rainfall. There were no notable severe weather events during August and the tropical Atlantic remained quiet.



Strong thunderstorm approaching Faison, August 14, 2018

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

August Monthly Rainfall



Rainfall graph for New Bern, Beaufort and Cape Hatteras for August 2018. It was significantly wetter inland around New Bern than at the coast.

Average Temperatures within our CWA in August 2018

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	85.5	84.8	75.4	72.9
Cape Hatteras	87.2	84.1	77.2	72.9
New Bern	88.3	87.9	71.0	70.4
Greenville	89.6	88.3	71.3	69.2
Kinston	89.9	89.6	71.4	69.3
Williamston	87.0	87.3	72.6	67.5
Plymouth	88.6	87.8	70.9	68.6
Bayboro	87.6	88.0	70.0	70.0

Temperatures in August 2018 were generally above normal for both maximums and minimums.

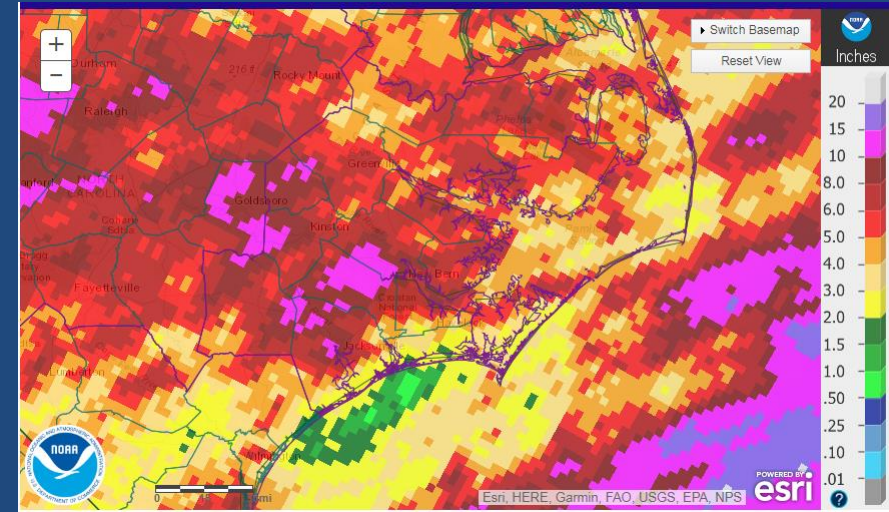
Temperature Extremes within our CWA in August 2018.

	MAX	MIN
Beaufort	88	66
Cape Hatteras	91	72
New Bern	93	64
Greenville	95	58
Kinston	95	59
Williamston	91	62
Plymouth	93	60
Bayboro	92	62

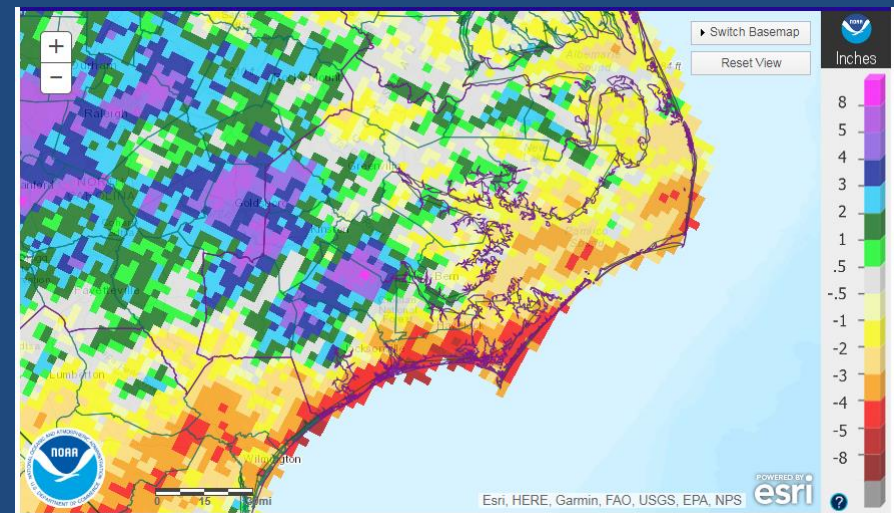
August 2018 Precipitation Vs Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	3.75	7.70	-3.95
Cape Hatteras	2.84	6.93	-4.09
New Bern	7.39	6.65	0.74
Greenville	3.48	6.14	-2.66
Kinston	7.73	5.41	2.32
Williamston	3.16	5.54	-2.38
Plymouth	5.90	6.28	-0.38
Bayboro	6.85	7.25	-0.40

There was a wide range of rainfall across eastern North Carolina in August 2018. Areas near the coast were abnormally dry with rainfall deficits of 3 to 4 inches, while some inland areas, especially near New Bern and Kinston had above normal rainfall.



Observed Rainfall



Departure from Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

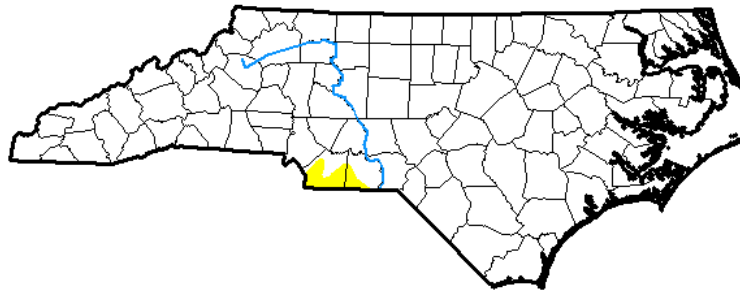
August 28, 2018

(Released Thursday, Aug. 30, 2018)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	98.89	1.11	0.00	0.00	0.00	0.00
Last Week <small>08-21-2018</small>	99.12	0.88	0.00	0.00	0.00	0.00
3 Months Ago <small>05-29-2018</small>	97.06	2.94	0.00	0.00	0.00	0.00
Start of Calendar Year <small>01-02-2018</small>	15.67	84.33	35.34	0.00	0.00	0.00
Start of Water Year <small>09-26-2017</small>	84.27	15.73	0.00	0.00	0.00	0.00
One Year Ago <small>08-29-2017</small>	74.31	25.69	0.00	0.00	0.00	0.00



Intensity:

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

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

Jessica Blunden
NCEI/NOAA



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

Only a small area east of Charlotte is Abnormally Dry. Otherwise, no drought conditions in North Carolina at this time.

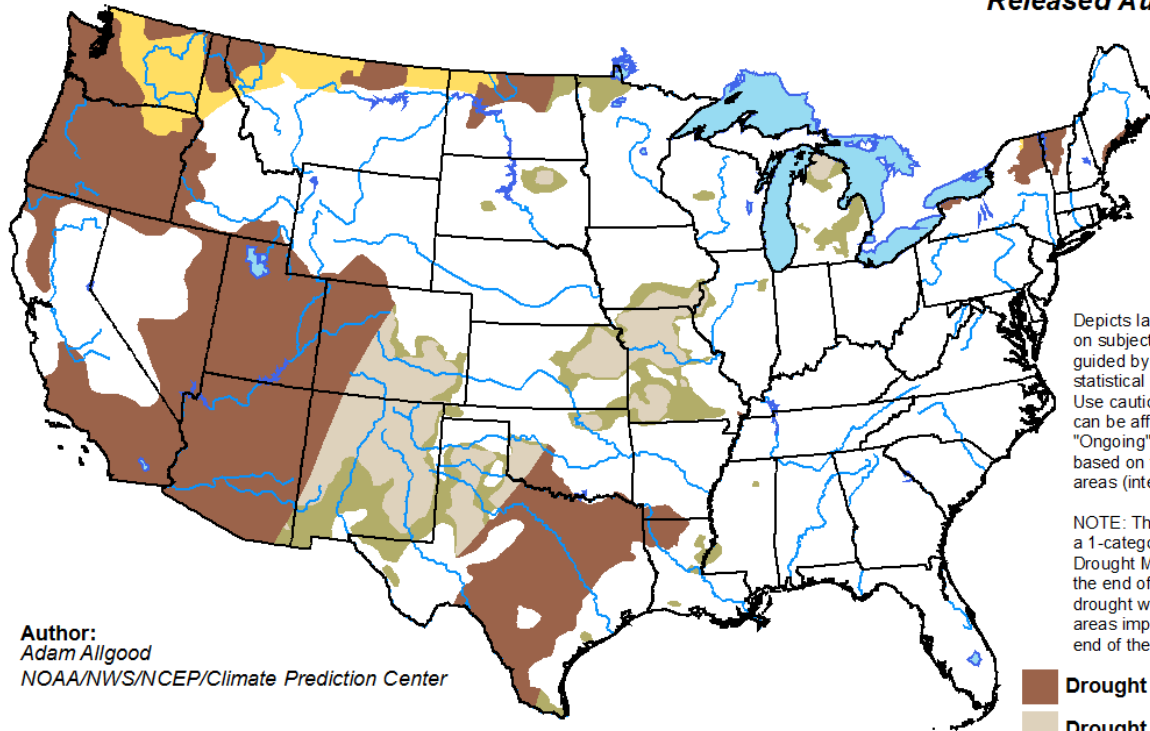
Monthly Drought Outlook

For September

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period





Valid for September 2018
Released August 31, 2018

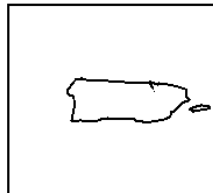
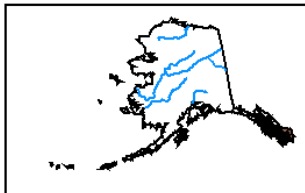


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

Author:
Adam Allgood
NOAA/NWS/NCEP/Climate Prediction Center

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



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