

Climate Review
for the month
February 2018

Presented by:

National Weather Service
Newport/Morehead City

February 2018 Summary

February 2018 was one of the warmest on record in eastern North Carolina. It was also dry, with rainfall amounts of 1 to 3 inches below normal. Both New Bern and Cape Hatteras recorded their warmest February on record. New Bern's mean temperature was 55.6 degrees, breaking the previous record of 54.0 in 1990. At Cape Hatteras, the mean temperature in February of 55.7 degrees broke the record of 55.6 degrees just last year. With a persistent flow of mild air over still very cold water, sea fog was a frequent occurrence during the month of February.



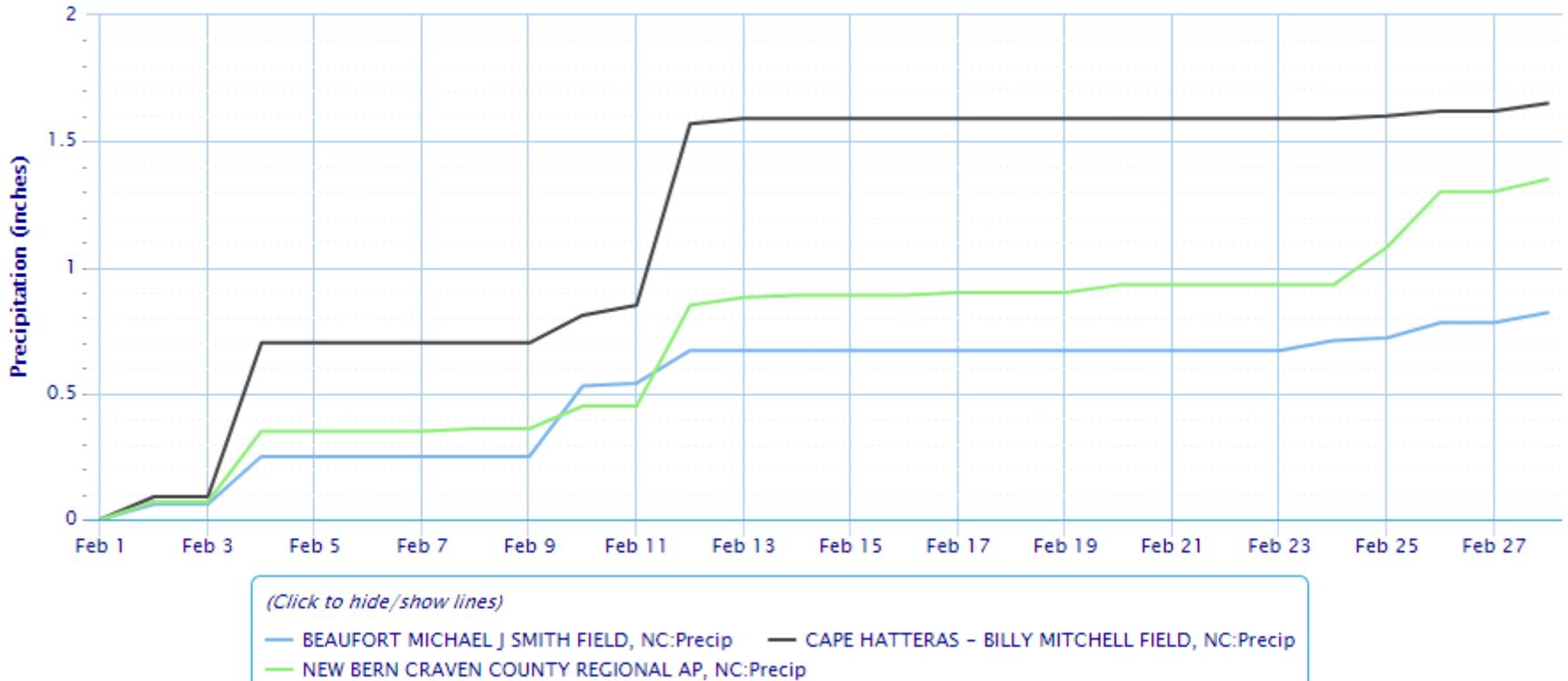
Dense Sea Fog in Morehead City, February 12, 2018. (WITN TV)

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

February 2018 Rainfall

Accumulated Precipitation

Green/black diamonds represent subsequent/missing values



Rainfall was below average in February with only 0.82 inches being observed at Beaufort, and only 1.65 inches at Cape Hatteras!

Average Temperatures within our CWA in February 2018

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	64.1	55.4	47.3	38.7
Cape Hatteras	63.6	53.5	47.9	40.0
New Bern	67.3	57.9	44.0	36.1
Greenville	56.3	43.7	43.7	34.3
Kinston	69.5	60.0	46.6	36.7
Williamston	63.6	54.8	42.6	32.9
Plymouth	66.0	57.2	43.5	35.0
Bayboro	65.6	58.0	45.3	34.6

Temperatures in February 2018 were well above normal in all locations!

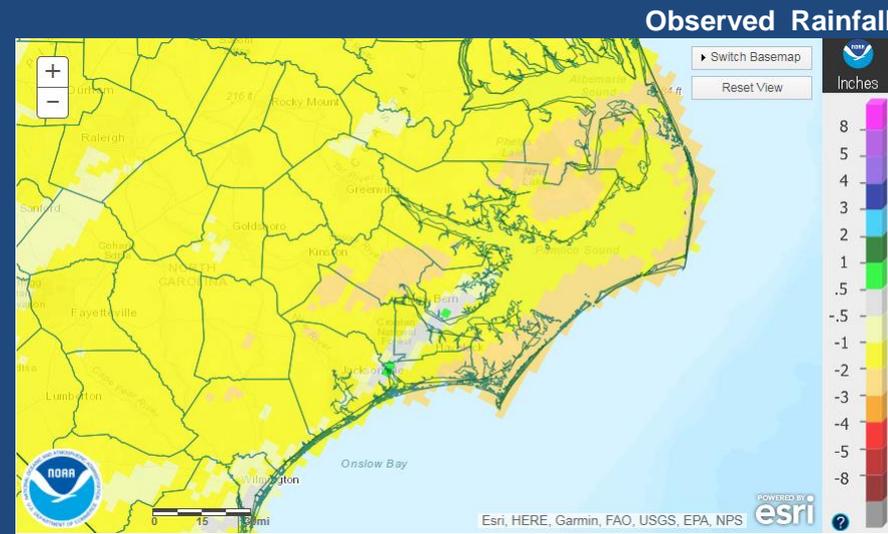
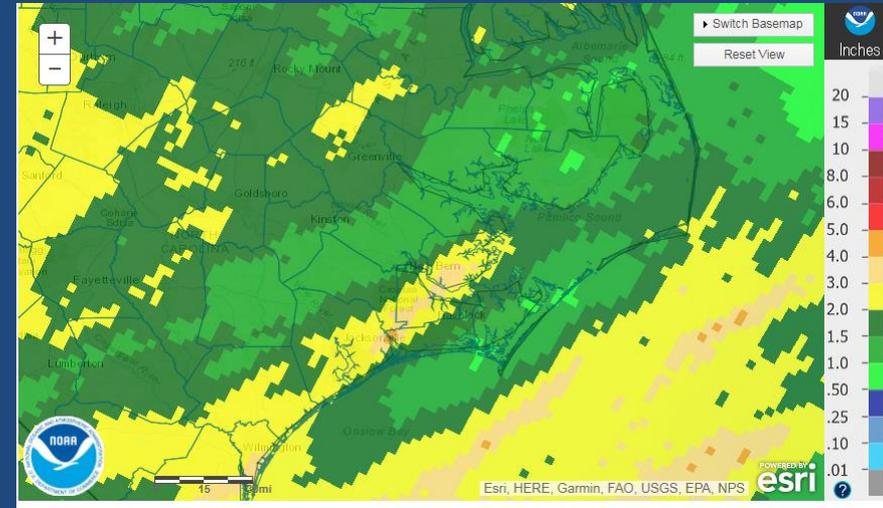
Temperature Extremes within our CWA in February 2018.

	MAX	MIN
Beaufort	76	23
Cape Hatteras	74	29
New Bern	84	22
Greenville	82	22
Kinston	82	21
Williamston	80	22
Plymouth	79	22
Bayboro	80	29

February 2018 Precipitation Vs Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	0.82	3.20	-2.38
Cape Hatteras	1.65	4.02	-2.37
New Bern	1.35	3.66	-2.31
Greenville	2.7	3.35	-0.65
Williamston	2.88	3.15	-0.27
Plymouth	2.7	3.3	-0.6
Wayboro	2.36	3.21	-0.85

Precipitation was 1 to 3 inches below normal in all of eastern North Carolina in February 2018.

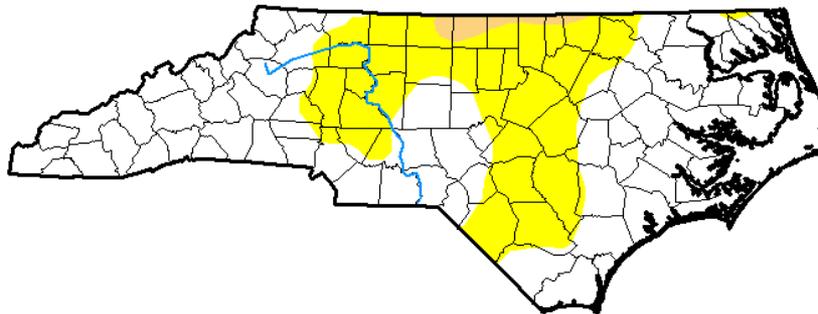


Departure from Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

February 27, 2018
(Released Thursday, Mar. 1, 2018)
Valid 7 a.m. EST



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:

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National Drought Mitigation Center



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

No Drought conditions are being observed across eastern North Carolina. Some Abnormally Dry conditions and a small area of Moderate Drought were present over central North Carolina.

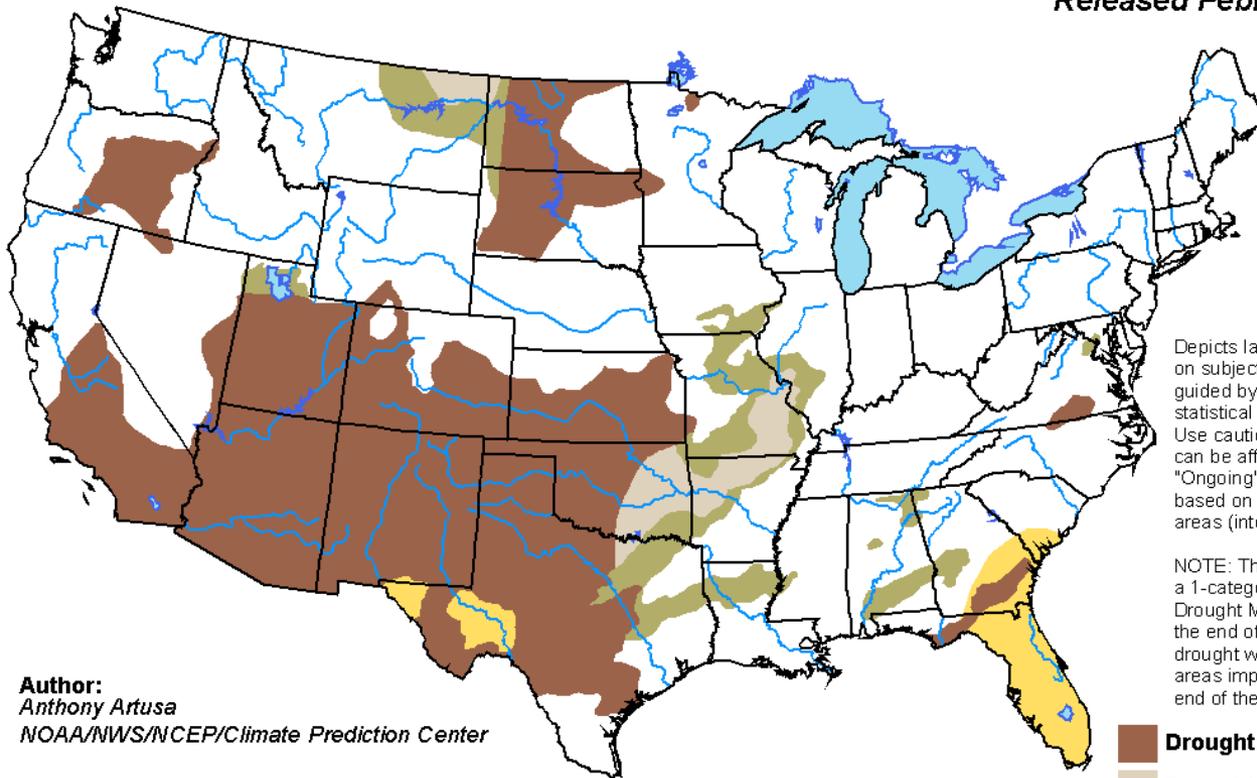
Monthly Drought Outlook

For March

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for March 2018
Released February 28, 2018

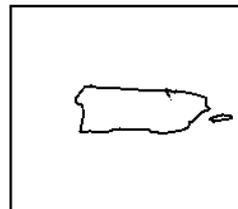
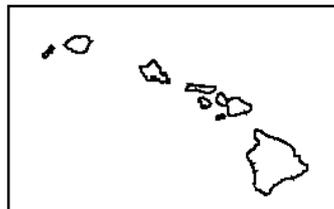
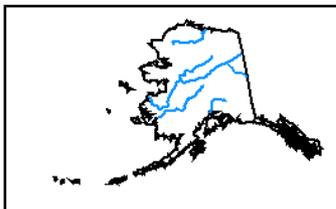


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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



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