

Climate Review
for the month
March 2018

Presented by:

National Weather Service
Newport/Morehead City

March 2018 Summary

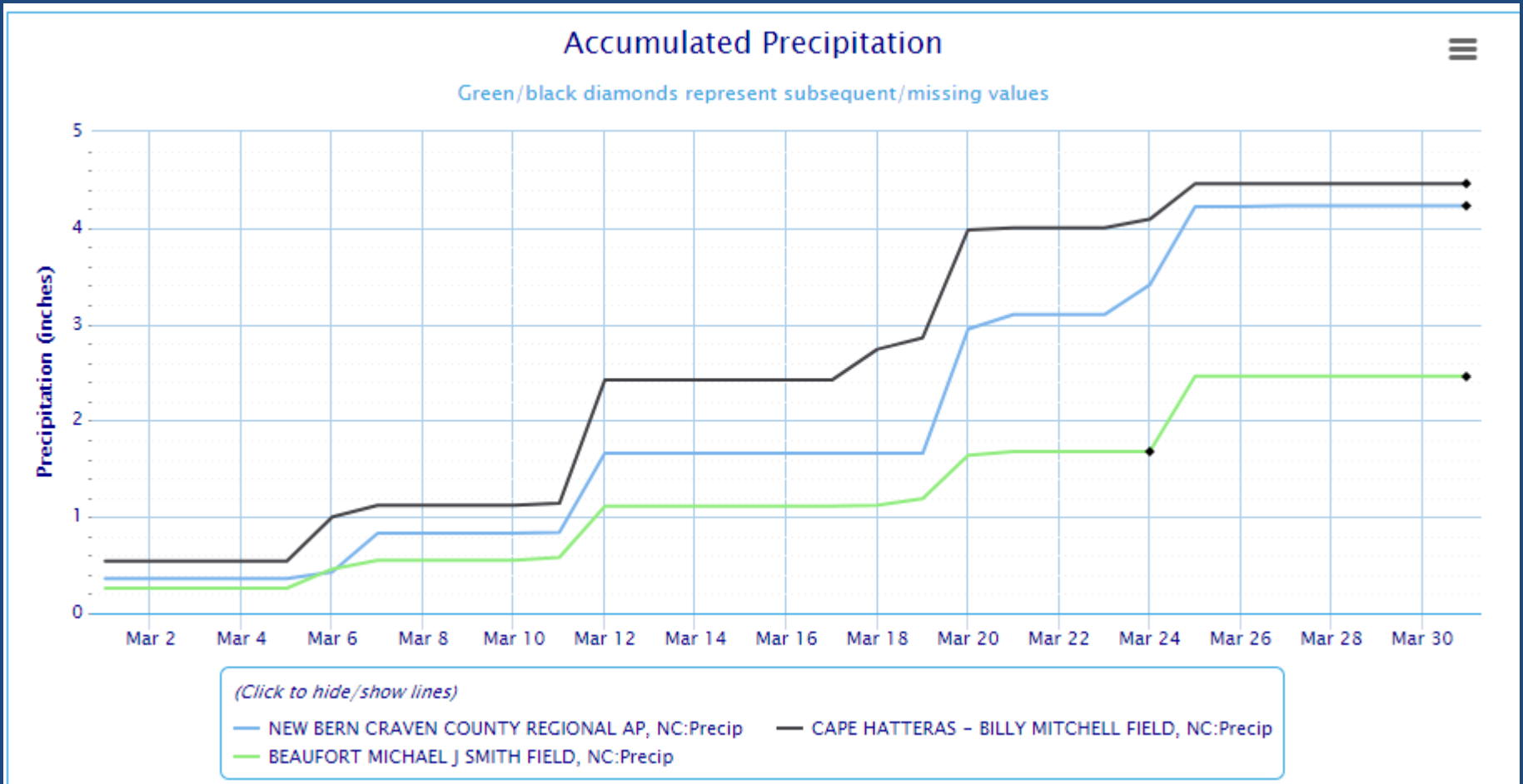
For the second consecutive year, temperatures in March were actually colder than in February. Two major weather events highlighted March 2018. On March 2nd through March 5th, a prolonged period of strong west to northwest winds produced significant ocean overwash and coastal flooding from Ocracoke north to Duck along the Outer Banks. The storm also produced record low water levels in the Neuse and Pamlico Rivers. Low pressure off the Carolina coast produced a minor snow event on March 12. Strong gusty winds accompanied this system.



Around One Inch of snow in Kinston, March 12, 2018 (@LewPirate)

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

March 2018 Rainfall



Rainfall was close to normal over most of the area with 4-5 inches in most areas. Beaufort was a bit drier in March with about 2.5 inches of rainfall.

Average Temperatures within our CWA in March 2018

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	58.6	61.9	40.4	44.4
Cape Hatteras	56.0	58.6	41.9	44.6
New Bern	59.0	64.9	37.3	42.0
Greenville	57.7	64.1	37.6	40.8
Kinston	57.0	63.8	32.4	38.7
Williamston	55.0	62.4	35.4	39.6
Plymouth	56.7	64.5	39.6	40.6
Bayboro	59.2	64.9	38.2	40.7

Temperatures in March 2018 were 3 to 5 degrees below normal in all locations!

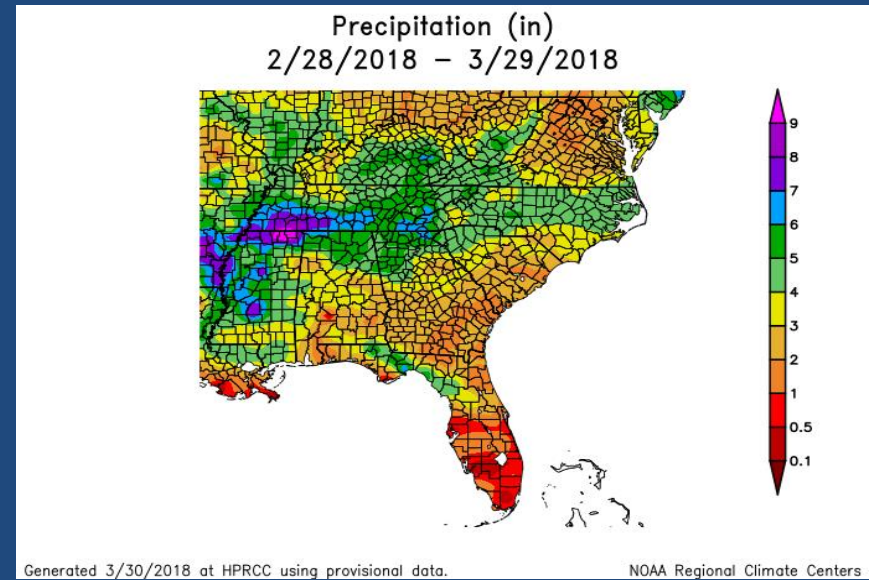
Temperature Extremes within our CWA in March 2018.

	MAX	MIN
Beaufort	72	31
Cape Hatteras	71	32
New Bern	79	27
Greenville	81	26
Kinston	72	24
Williamston	75	28
Plymouth	78	26
Bayboro	76	32

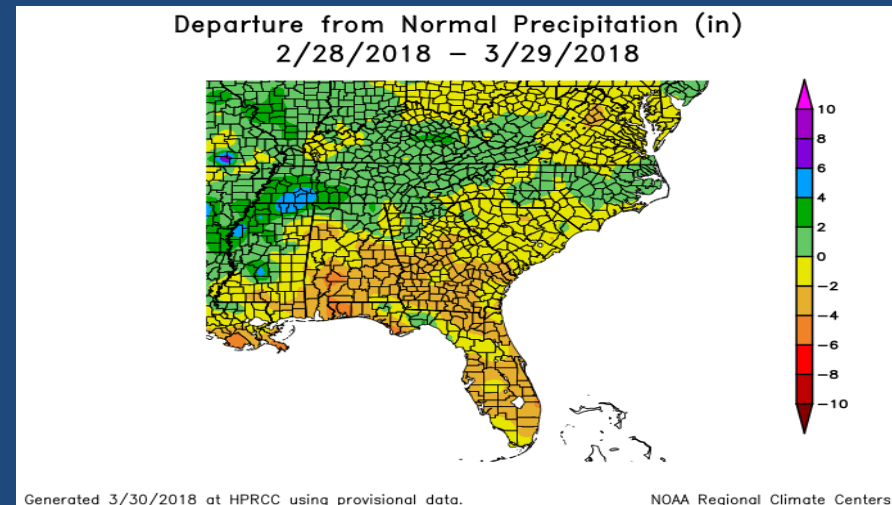
March 2018 Precipitation Vs Climate Normal

	Precipitation (inches)	Normal	Difference
Beaufort	2.46	4.20	-1.74
Cape Hatteras	4.46	4.77	-0.11
New Bern	4.23	4.39	-0.16
Greenville	4.56	4.04	0.52
Williamston	4.64	4.12	0.52
Plymouth	4.79	4.37	0.42
Bayboro	4.32	4.00	0.32

Precipitation in March 2018 was generally around 4 inches, except 2 to 3 inches over the Crystal Coast and far southern sections. This is fairly close to normal, except 1-2 inches below normal in the far southern areas.



Observed Rainfall

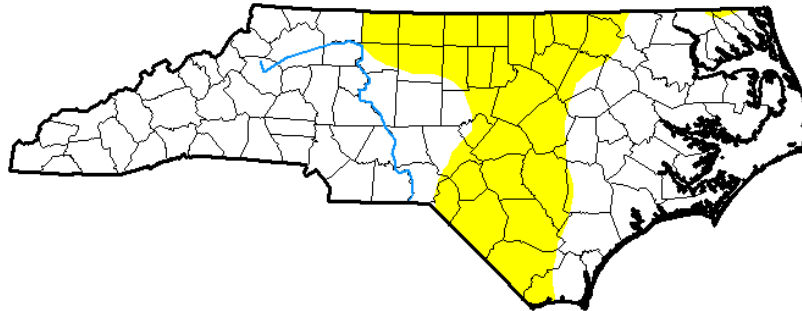


Departure from Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

March 27, 2018
(Released Thursday, Mar. 29, 2018)
Valid 8 a.m. EDT



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.

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

No Drought conditions are being observed across eastern North Carolina. Some Abnormally Dry conditions continue over central North Carolina.

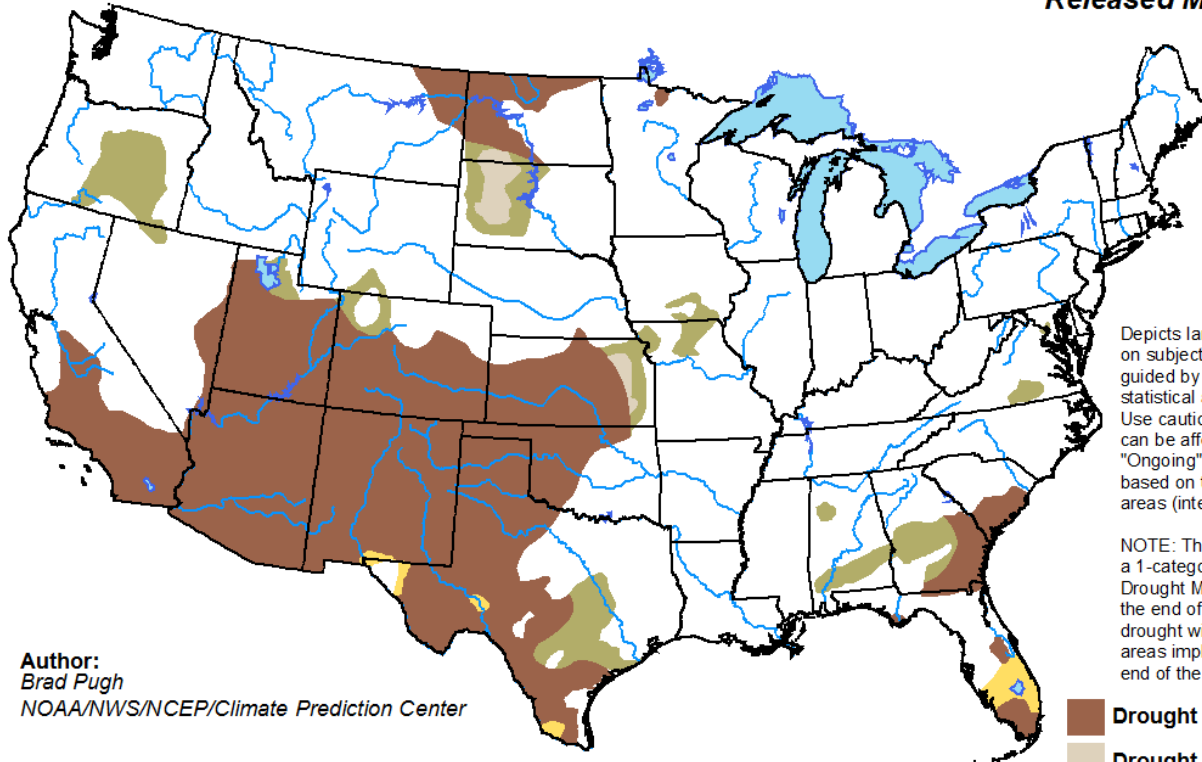
Monthly Drought Outlook

For April

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period





Valid for April 2018
Released March 31, 2018

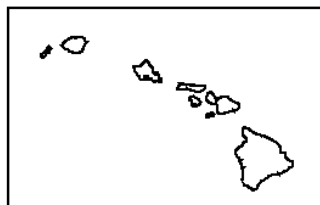
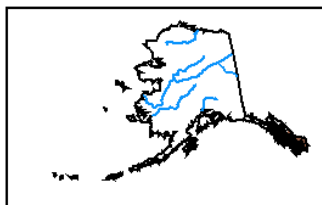


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Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on 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).

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



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