

Climate Review
for the month
December 2018

Presented by:

National Weather Service
Newport/Morehead City

December 2018 Summary

A continued moist pattern coupled with the lack of any cold Arctic or Canadian air led to yet another mild and wet month across eastern North Carolina in December, 2018. Rainfall ranged from 2 to 6 inches above normal, with the wettest conditions again near the coast. Temperatures were 3 to 5 degrees above normal. While most of the month was devoid of severe weather, strong straight line winds from a decaying thunderstorm caused minor damage at Emerald Isle around 6:42 pm on December 20.



Thunderstorm Wind Damage in Emerald Isle, December 20, 2018.

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

Average Temperatures within our CWA in December 2018

	Avg Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	60.3	57.0	44.1	39.7
Cape Hatteras	59.7	55.9	47.5	42.7
New Bern	58.8	57.5	39.8	36.1
Greenville	57.5	55.3	38.3	34.0
Williamston	56.1	54.6	39.1	33.0
Plymouth	57.4	56.0	39.8	35.9
Bayboro	59.6	58.3	41.2	35.7
Kinston	59.6	58.7	40.6	37.3

Temperatures in December 2018 were above normal at all locations.

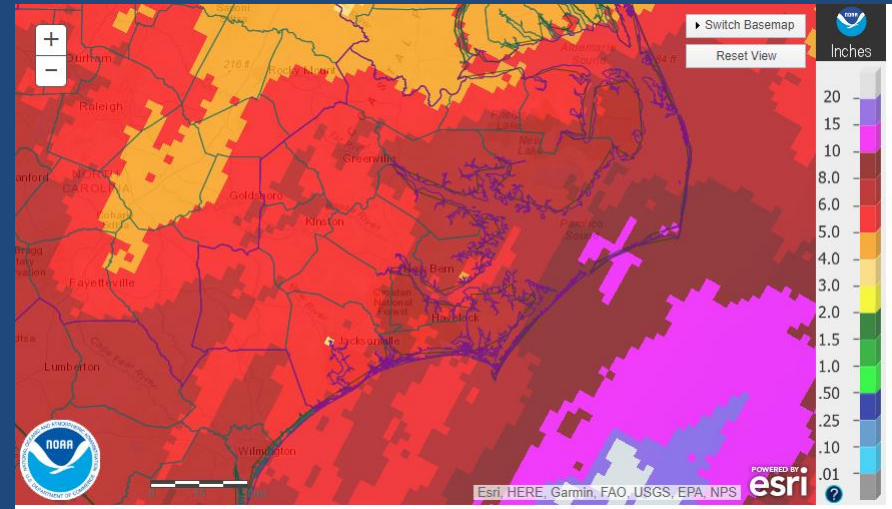
Temperature Extremes within our CWA in December 2018.

	MAX	MIN
Beaufort	72	29
Cape Hatteras	73	37
New Bern	73	26
Greenville	73	27
Williamston	70	29
Plymouth	70	26
Bayboro	71	31
Kinston	71	27

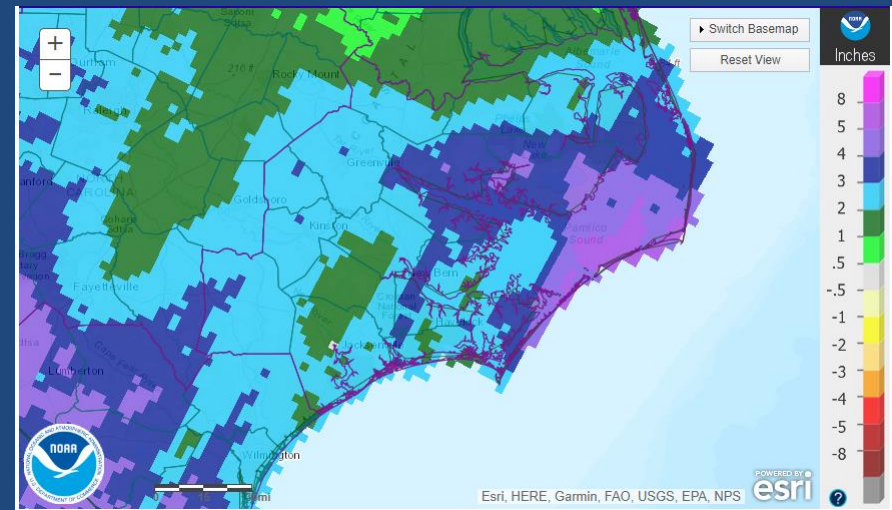
December 2018 Precipitation Vs Normal

	Precipitation (inches)	Normal	Difference
Beaufort	3.82	3.52	0.30
Cape Hatteras	10.92	4.27	6.65
New Bern	6.59	3.40	3.19
Greenville	6.46	3.25	3.21
Williamston	5.65	3.24	2.41
Plymouth	6.30	3.29	3.01
Bayboro	7.42	3.75	3.67

Rainfall was once again above normal in December 2018. Most all of the area received at least 5 inches of rain with departures of 2 to 6 inches above normal. The wettest areas were near the coast, especially the Outer Banks.



Observed Rainfall

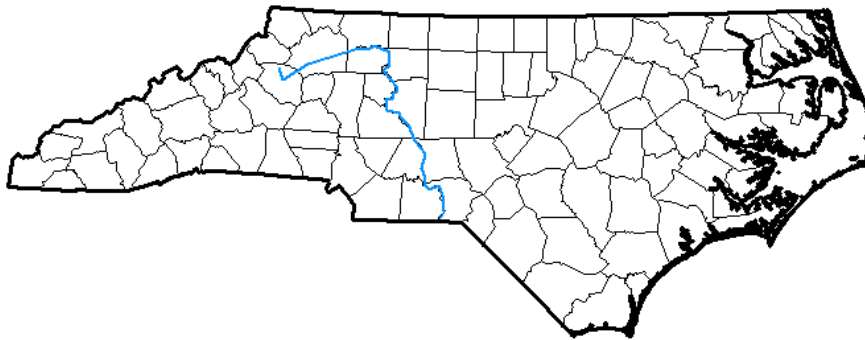


Departure from Normal






Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

January 1, 2019
(Released Thursday, Jan. 3, 2019)
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:

David Miskus
NOAA/NWS/NCEP/CPC



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

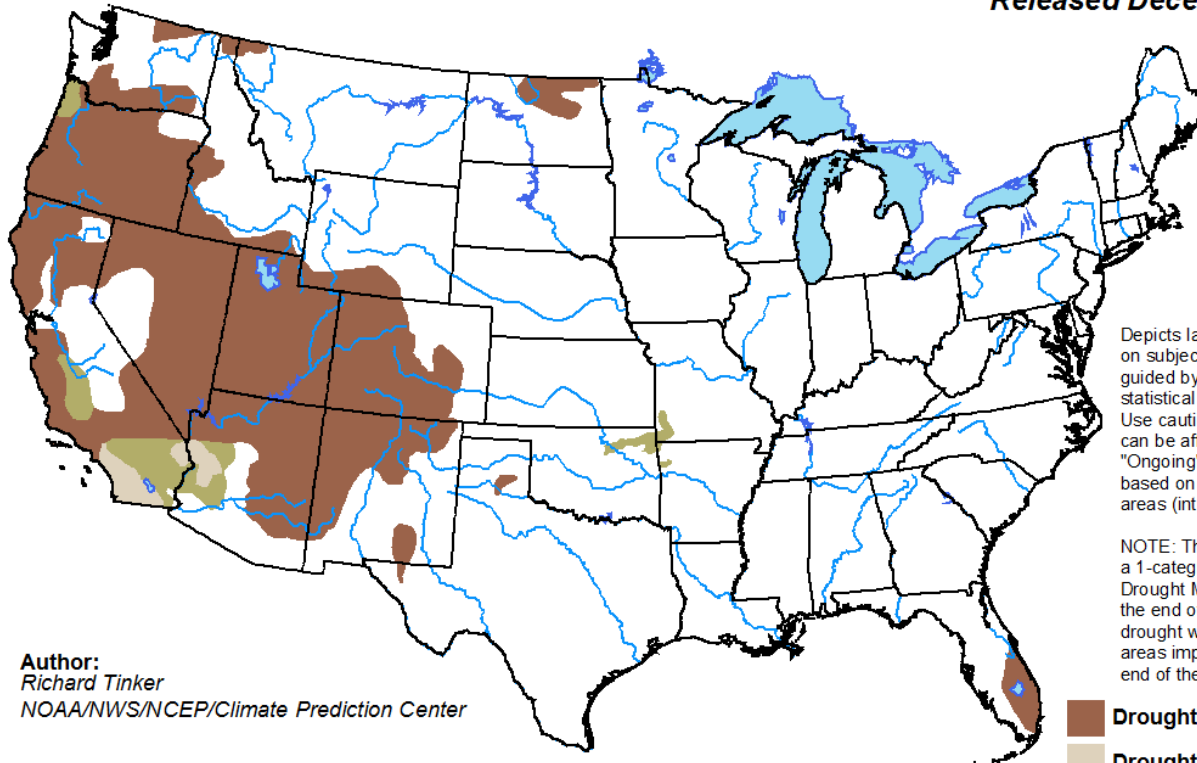
No Drought Conditions across North Carolina.

Monthly Drought Outlook

For January 2019

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





Valid for January 2019
Released December 31, 2018

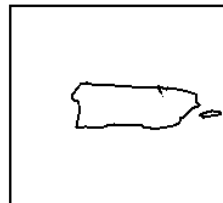
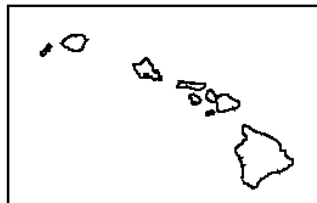
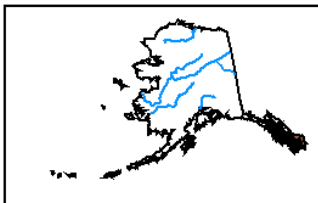


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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



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