

Climate Review
for the month
January 2018

Presented by:
National Weather Service
Newport/Morehead City

January 2018 Summary

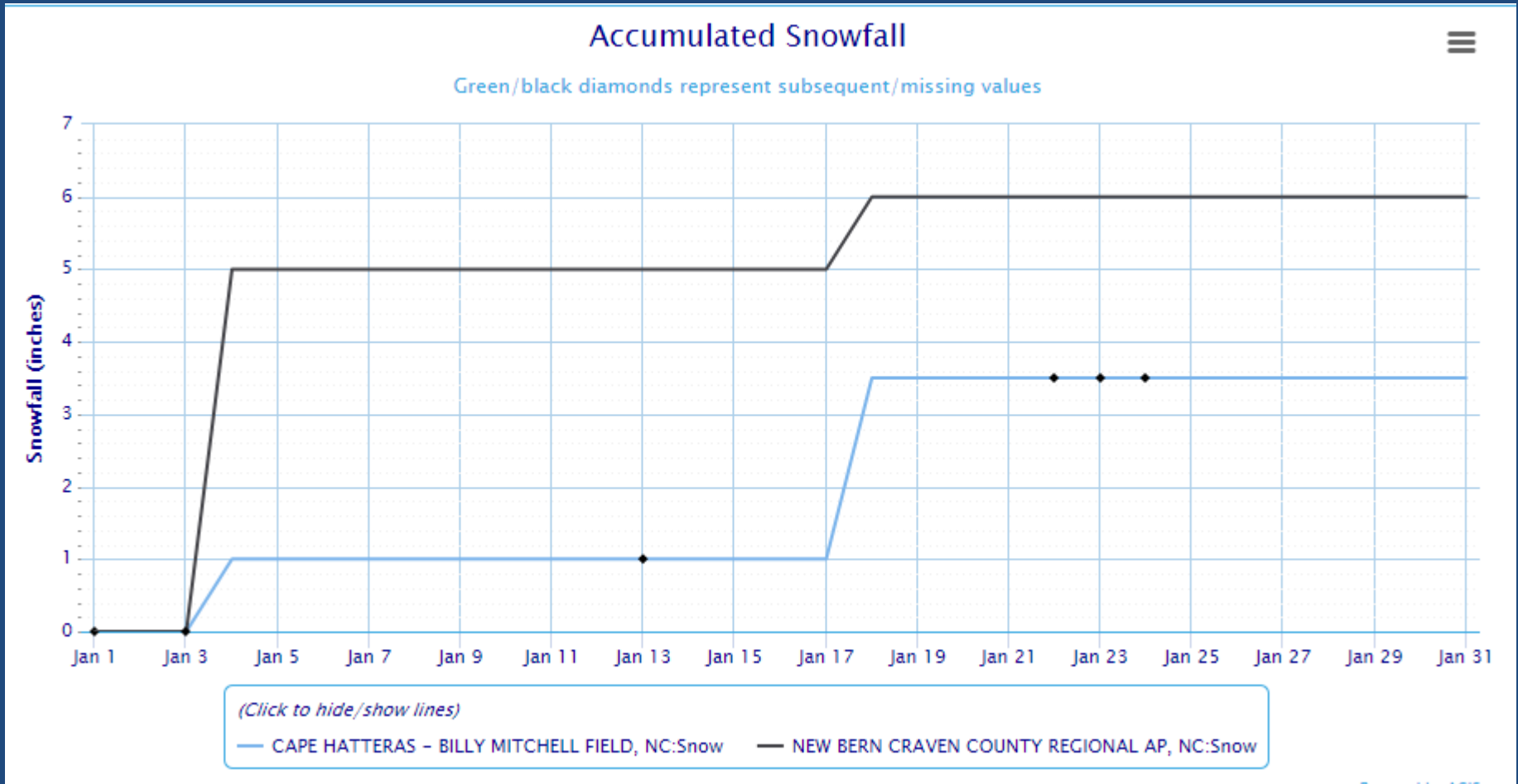
January 2018 was characterized by extreme cold and snow during the first and third weeks of the month, with near-normal temperatures for the remainder of the month. Highlights for the month included major winter storms on the 4th and 18th. The storm on the 4th produced up to 6-8 inches of snow across portions of the Coastal Plains, while the storm on the 18th produced up to 10 inches of snow on the Northern Outer Banks. Numerous record low temperatures were also recorded with several northern locations dropping to below zero on the 6th and 7th.



Up to 10 inches of snow occurred near Manteo, January 18, 2018.

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

January 2018 Snowfall



All of Eastern North Carolina recorded measurable snow during January 2018. New Bern received 6 inches for the month, while Cape Hatteras received 3.5 inches. Areas around Manteo in the northern Outer Banks received upwards of 10 inches of snow for the month!

Average Temperatures within our CWA in January 2018

| | Avg Max | Avg_Max Normal | Avg_Min | Avg_Min Normal |
|----------------------|---------|-------------------|---------|-------------------|
| Beaufort | 50.4 | 53.3 | 31.6 | 36.0 |
| Cape Hatteras | 47.5 | 52.2 | 33.7 | 38.7 |
| New Bern | 50.3 | 54.5 | 27.0 | 33.9 |
| Greenville | 49.8 | 52.1 | 25.6 | 32.1 |
| Kinston | 49.7 | 55.4 | 26.5 | 34.8 |
| Williamston | 48.8 | 51.3 | 24.8 | 30.3 |
| Plymouth | 50.1 | 53.2 | 26.8 | 33.1 |
| Bayboro | 52.6 | 55.3 | 31.2 | 32.0 |
| | | | | |

Temperatures in January 2018 were generally 3 to 5 degrees below normal at all locations.

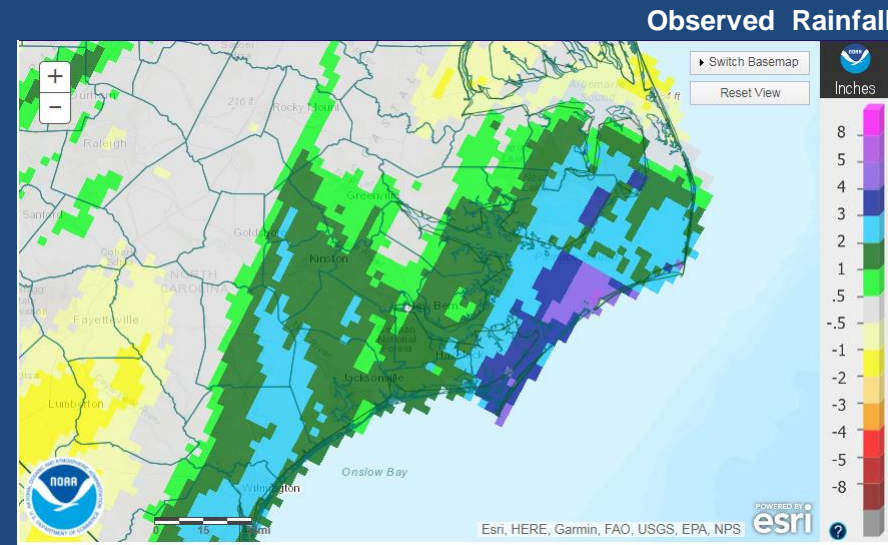
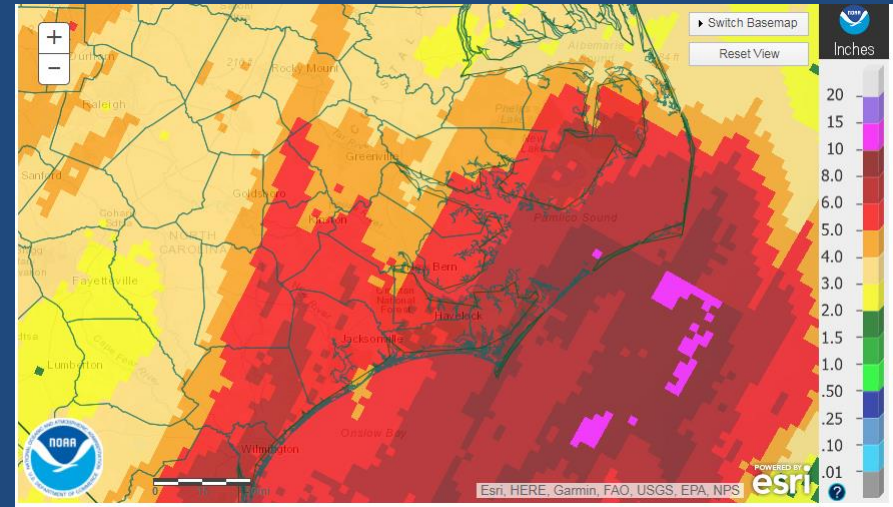
Temperature Extremes within our CWA in January 2018.

| | MAX | MIN |
|----------------------|-----|-----|
| Beaufort | 71 | 15 |
| Cape Hatteras | 69 | 19 |
| New Bern | 74 | 5 |
| Greenville | 74 | -1 |
| Kinston | 74 | 2 |
| Williamston | 74 | -3 |
| Plymouth | 73 | -1 |
| Bayboro | 74 | 16 |

January 2018 Precipitation Vs Climate Normal

| | Precipitation (inches) | Normal | Difference |
|----------------------|------------------------|-------------|-------------|
| Beaufort | 6.87 | 4.08 | 2.79 |
| Cape Hatteras | 8.60 | 5.24 | 3.36 |
| New Bern | 4.30 | 4.02 | 0.28 |
| Greenville | 5.41 | 3.86 | 1.55 |
| Williamston | 4.41 | 3.82 | 0.59 |
| Plymouth | 5.41 | 3.94 | 1.47 |
| Bayboro | 5.52 | 3.85 | 1.67 |

Precipitation across eastern North Carolina in January 2018 was above to well above normal. Areas along the Outer Banks received in excess of 8 inches of precipitation. Only the far Northwestern portion of our area was below normal.

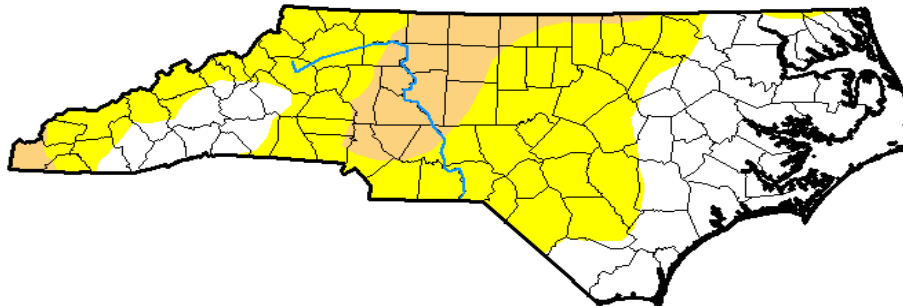


Departure from Normal





Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

January 30, 2018
(Released Thursday, Feb. 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:

Richard Heim
NCEI/NOAA



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

Drought Conditions have improved over Eastern North Carolina. Severe drought conditions are now confined to the western Piedmont area.

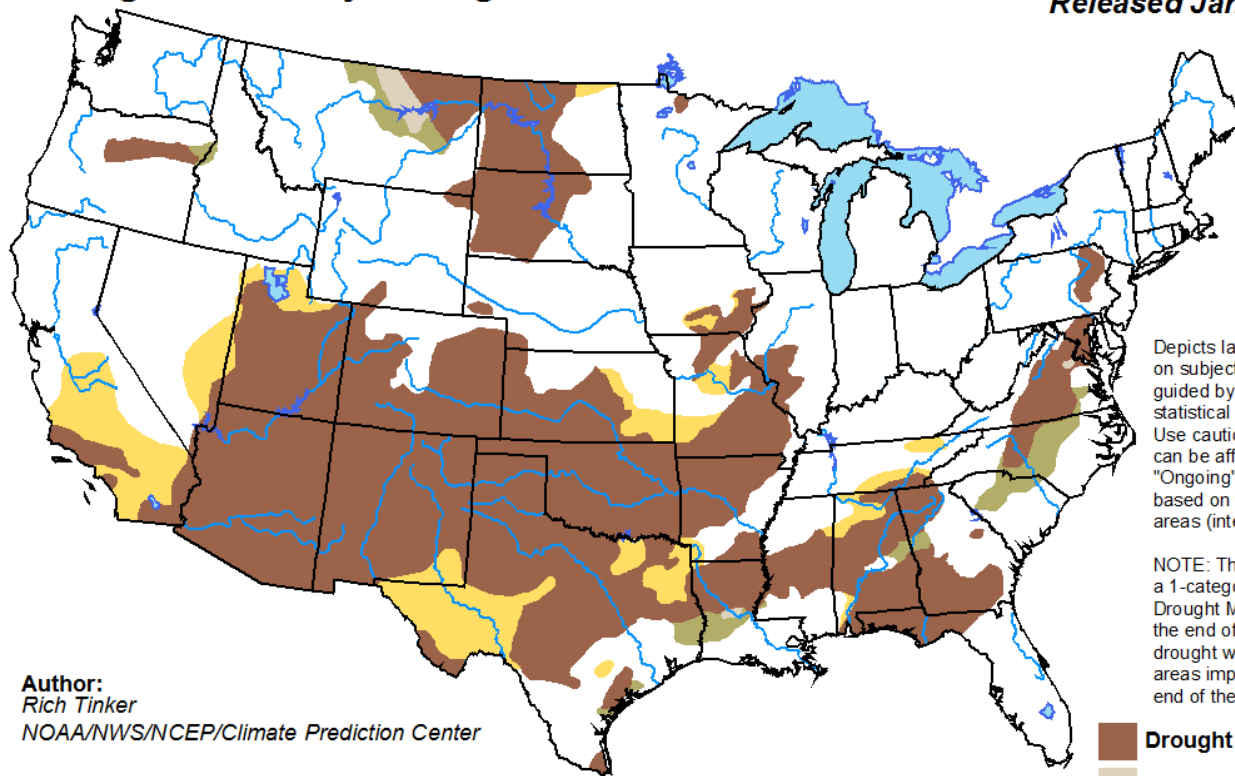
Monthly Drought Outlook

For February

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period





Valid for February 2018
Released January 31, 2018

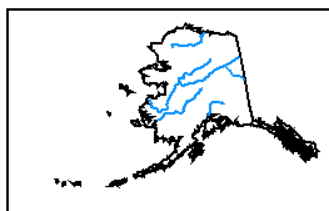


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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

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



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