

Climate Review
for the month
November 2018

Presented by:

National Weather Service
Newport/Morehead City

November 2018 Summary

November was a wet month across eastern North Carolina, especially near the coast, with 12.21 inches of rain in Newport and 11.27 inches in Cape Hatteras. The month was highlighted by 2 tornado events that impacted Carteret County. In the early morning hours of November 13, an EF-1 rated tornado hit Atlantic Beach causing minor damage to homes and snapping power poles. During the afternoon hours on November 24, an EF-2 rated tornado hit Emerald Isle causing roof damage and downed power lines. Other small tornadoes were observed in Cape Carteret and the Mill Creek area of Carteret County.



Damage from Tornado in Atlantic Beach, Nov 13, 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 November 2018

| | Avg Max | Avg_Max Normal | Avg_Min | Avg_Min Normal |
|----------------------|---------|-------------------|---------|-------------------|
| Beaufort | 65.7 | 65.8 | 48.8 | 47.8 |
| Cape Hatteras | 66.1 | 64.0 | 52.7 | 51.2 |
| New Bern | 64.3 | 66.4 | 44.8 | 43.9 |
| Greenville | 62.0 | 65.0 | 41.8 | 41.5 |
| Williamston | 60.8 | 64.5 | 42.7 | 41.0 |
| Plymouth | 63.6 | 65.2 | 43.8 | 43.0 |
| Bayboro | 64.6 | 66.7 | 44.6 | 42.7 |
| | | | | |

Temperatures in November 2018 were within a degree or two either side of normal.

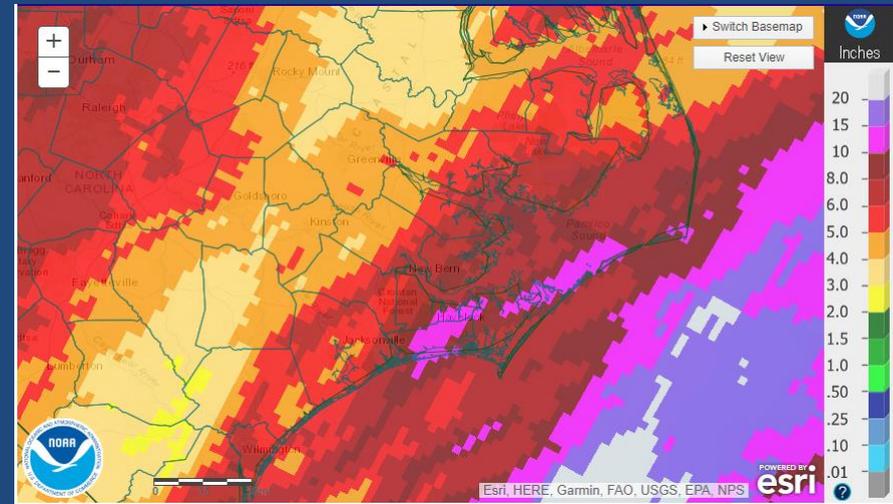
Temperature Extremes within our CWA in November 2018.

| | MAX | MIN |
|----------------------|-----|-----|
| Beaufort | 79 | 29 |
| Cape Hatteras | 80 | 36 |
| New Bern | 82 | 25 |
| Greenville | 84 | 24 |
| Williamston | 80 | 27 |
| Plymouth | 81 | 26 |
| Bayboro | 79 | 31 |

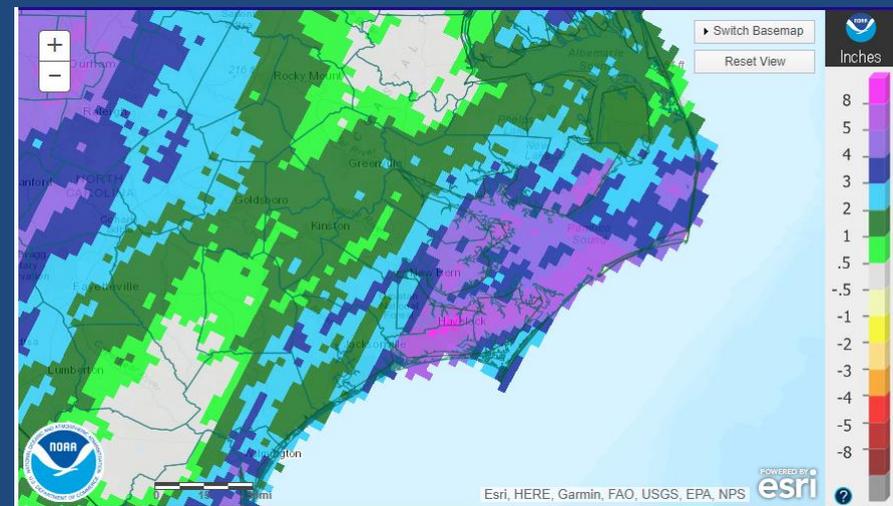
November 2018 Precipitation Vs Normal

| | Precipitation (inches) | Normal | Difference |
|----------------------|------------------------|--------|------------|
| Cape Hatteras | 11.27 | 4.95 | 6.32 |
| New Bern | 6.20 | 3.40 | 2.80 |
| Greenville | 4.48 | 3.12 | 1.36 |
| Williamston | 4.50 | 3.08 | 1.42 |
| Plymouth | 4.78 | 3.53 | 1.25 |
| Bayboro | 8.68 | 3.78 | 4.90 |
| Beaufort | 6.59 | 3.87 | 2.72 |

Rainfall was above normal at all locations in November 2018. The heaviest rainfall occurred near the coast. The greatest departure from normal was at Cape Hatteras, with rainfall of over 6 inches above normal.



Observed Rainfall

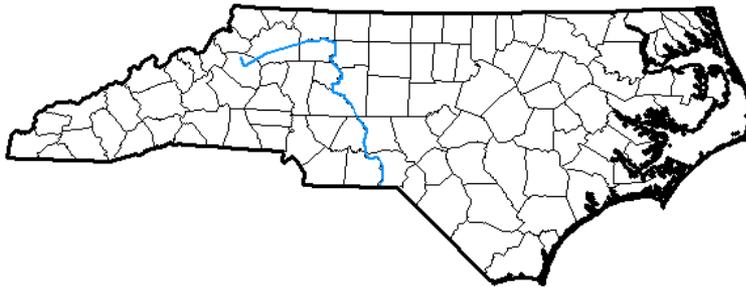


Departure from Normal

Latest Drought Monitor for North Carolina

U.S. Drought Monitor North Carolina

November 27, 2018
(Released Thursday, Nov. 29, 2018)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

| | None | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4 |
|--|--------|-------|-------|-------|-------|------|
| Current | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Last Week <i>11-20-2018</i> | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3 Months Ago <i>08-28-2018</i> | 98.89 | 1.11 | 0.00 | 0.00 | 0.00 | 0.00 |
| Start of Calendar Year <i>01-02-2018</i> | 15.67 | 84.33 | 35.34 | 0.00 | 0.00 | 0.00 |
| Start of Water Year <i>09-25-2018</i> | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| One Year Ago <i>11-28-2017</i> | 27.79 | 72.21 | 21.93 | 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.

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

No Drought Conditions across North Carolina.

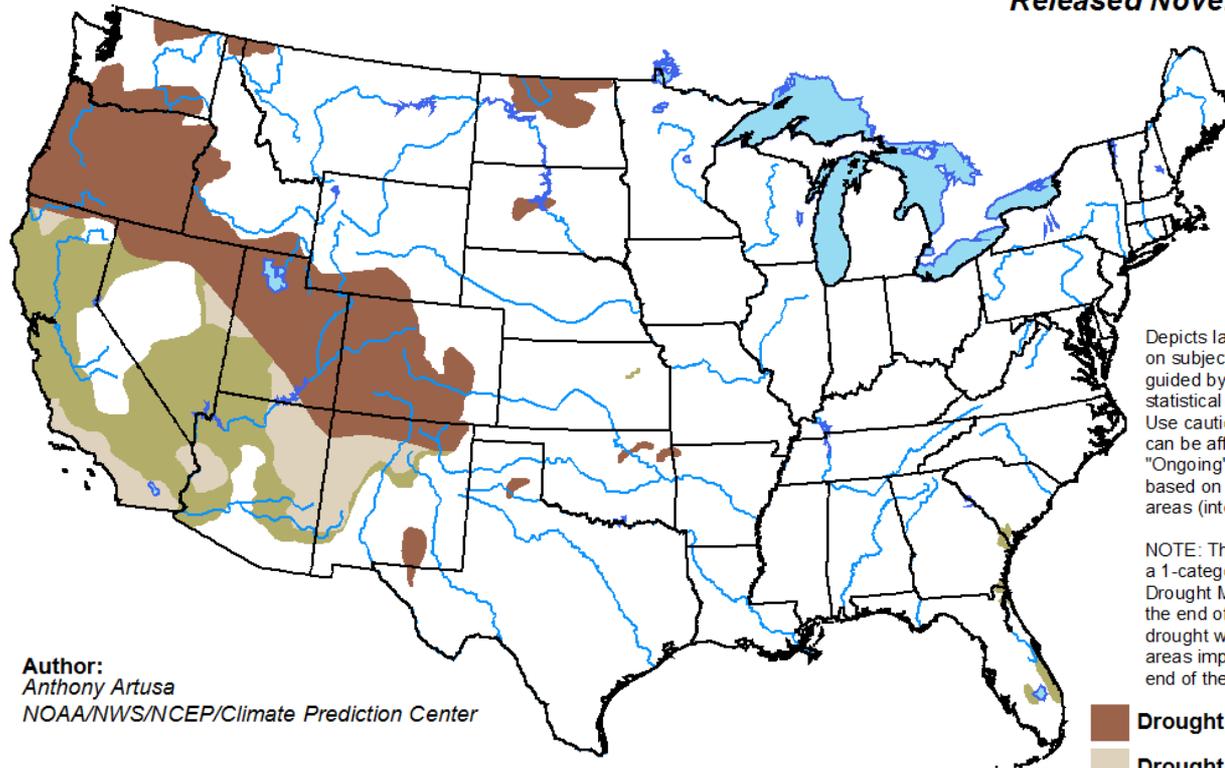
Monthly Drought Outlook

For December

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for December 2018
Released November 30, 2018

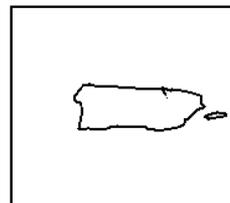
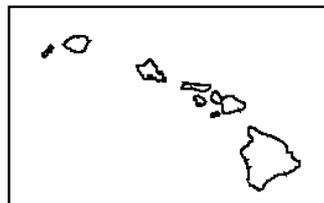
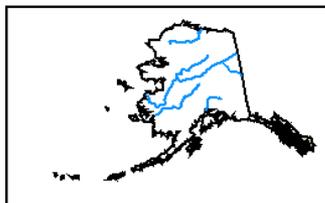


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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