

# March 2019 Climate Review

Presented By:

National Weather Service  
Newport/Morehead City, NC

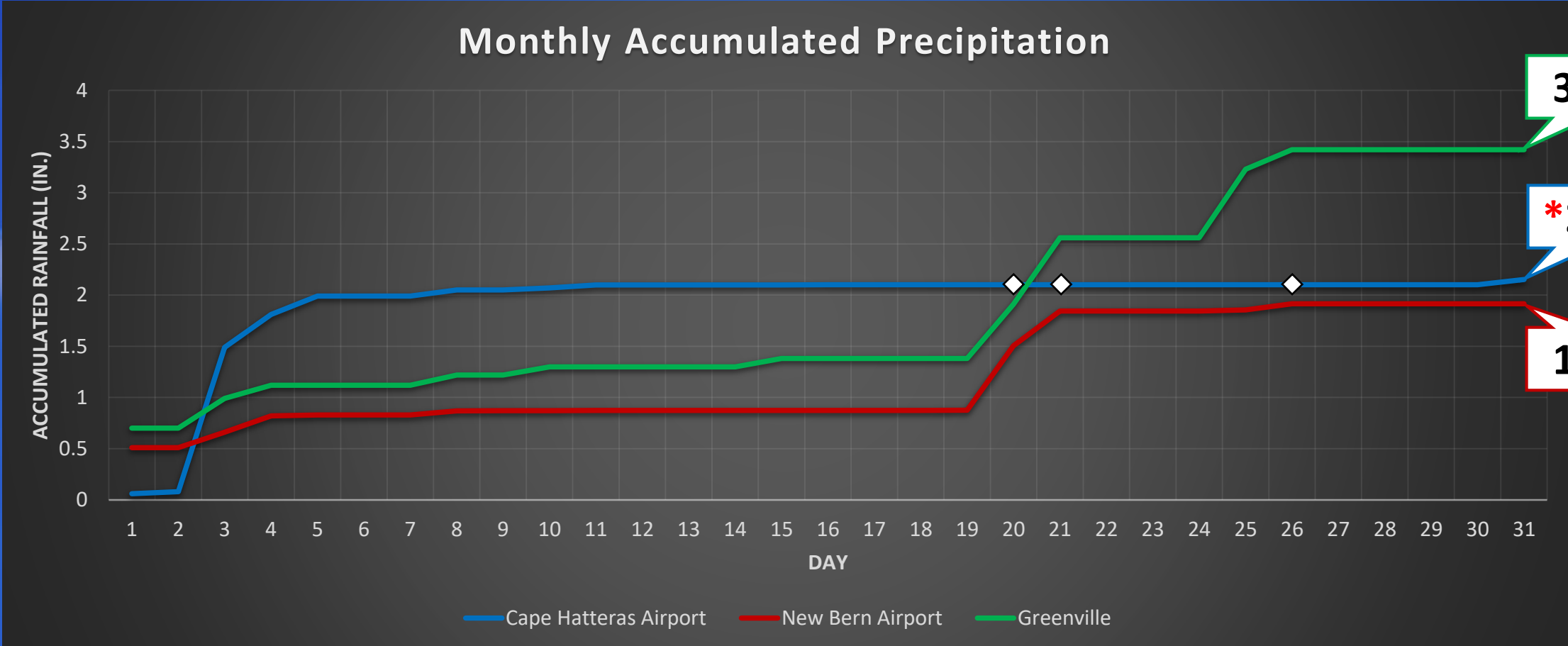
# March 2019 Summary



Snow accumulations in Jacksonville, March 5, 2019.

March 2019 featured abnormally mild temperatures. The month was drier than average with many areas seeing one to two fewer inches of rain than normal. The heaviest rainfall of the month fell on March 3<sup>rd</sup> and 4<sup>th</sup> as a weak low moved off the North Carolina coast producing heavy rain and gusty winds. Some light snow accumulations were observed in the Jacksonville area on March 5.

# March 2019 Rainfall



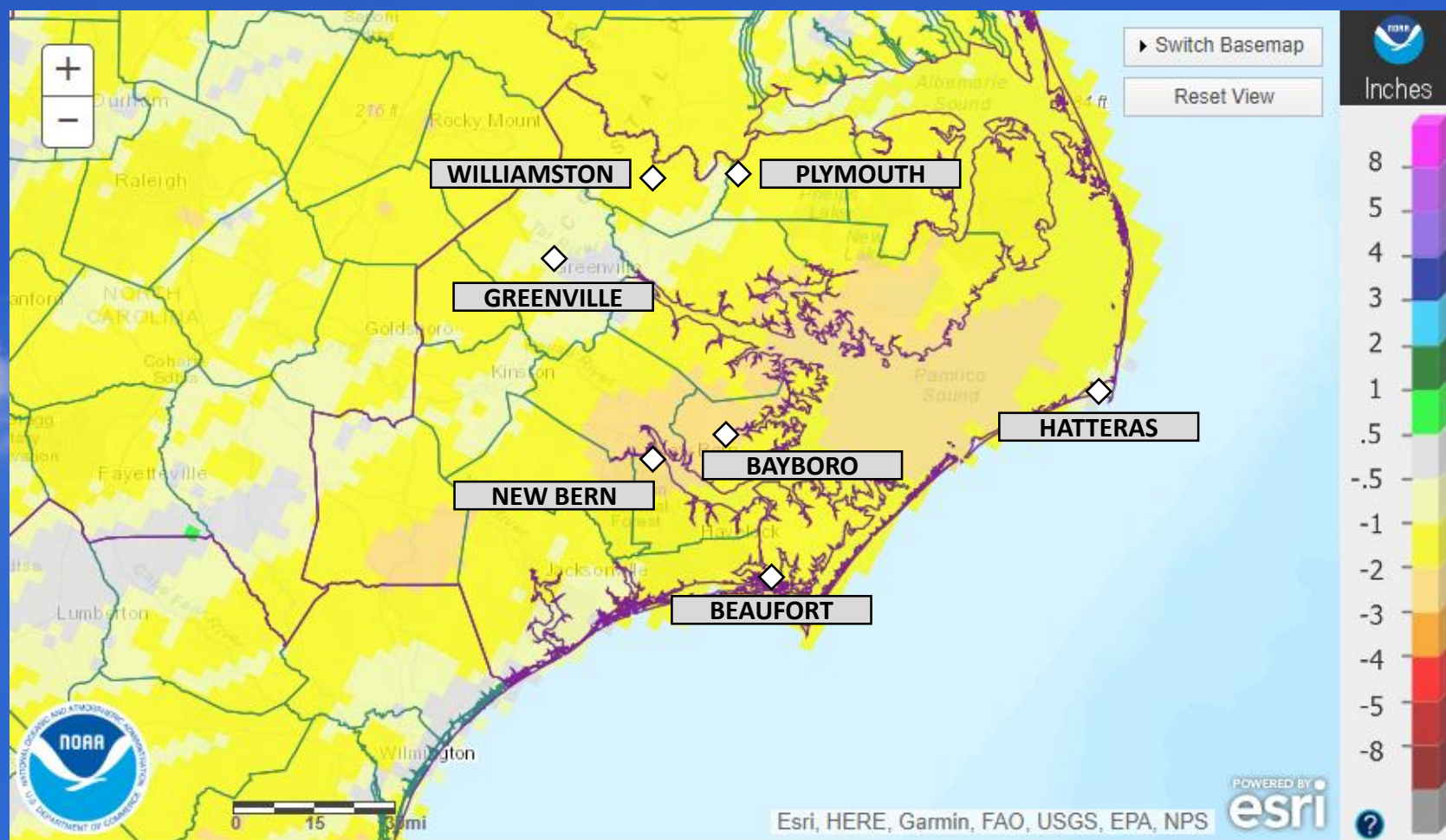
White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.



# March 2019 Rainfall vs. Climate Normal

|             | Observed (In.) | Normal | Difference |
|-------------|----------------|--------|------------|
| Beaufort    | 2.87           | 4.20   | ▼ 1.33     |
| Hatteras    | 2.15           | 4.77   | ▼ 2.62     |
| New Bern    | 1.91           | 4.39   | ▼ 2.48     |
| Greenville  | 3.42           | 4.04   | ▼ 0.62     |
| Williamston | 2.89           | 4.12   | ▼ 1.23     |
| Plymouth    | 2.48           | 4.37   | ▼ 1.89     |
| Bayboro     | 2.02           | 4.00   | ▼ 1.98     |

Red sites have missing data



March 2019 Precipitation: Departure from Normal  
 Analysis from the Advanced Hydrologic Prediction Service

# Average Temperatures: March 2019

|             | Average High | Normal High | Difference | Average Low | Normal Low | Difference |
|-------------|--------------|-------------|------------|-------------|------------|------------|
| Beaufort    | 63.7         | 61.9        | ▲ 1.8      | 44.7        | 44.4       | ▲ 0.3      |
| Hatteras    | 61.0         | 58.6        | ▲ 2.4      | 45.4        | 44.6       | ▲ 0.8      |
| New Bern    | 64.0         | 64.9        | ▼ 0.9      | 40.3        | 42.0       | ▼ 1.7      |
| Greenville  | 62.1         | 64.1        | ▼ 2.0      | 39.3        | 40.8       | ▼ 1.5      |
| Kinston     | 62.8         | 67.3        | ▼ 4.5      | 39.9        | 42.2       | ▼ 2.3      |
| Williamston | 60.3         | 62.4        | ▼ 2.1      | 40.2        | 39.6       | ▲ 0.6      |
| Plymouth    | 62.4         | 64.5        | ▼ 2.1      | 39.8        | 40.6       | ▼ 0.8      |
| Bayboro     | 62.5         | 64.9        | ▼ 2.4      | 41.0        | 40.7       | ▲ 0.3      |

# Temperature Extremes: March 2019

|                    | Max High | Date Obs.  | Min Low | Date Obs.       |
|--------------------|----------|--|---------|-----------------|
| <b>Beaufort</b>    | 73       | 10 <sup>th</sup> , 15 <sup>th</sup> , 25 <sup>th</sup> ,<br>30 <sup>th</sup> | 27      | 7 <sup>th</sup> |
| <b>Hatteras</b>    | 74       | 15 <sup>th</sup>   | 27      | 7 <sup>th</sup> |
| <b>New Bern</b>    | 79       | 10 <sup>th</sup> , 15 <sup>th</sup> , 31 <sup>st</sup>                       | 23      | 7 <sup>th</sup> |
| <b>Greenville</b>  | 81       | 15 <sup>th</sup>   | 26      | 7 <sup>th</sup> |
| <b>Kinston</b>     | 80       | 16 <sup>th</sup>   | 25      | 7 <sup>th</sup> |
| <b>Williamston</b> | 78       | 16 <sup>th</sup>   | 26      | 7 <sup>th</sup> |
| <b>Plymouth</b>    | 78       | 15 <sup>th</sup>   | 22      | 7 <sup>th</sup> |
| <b>Bayboro</b>     | 77       | 16 <sup>th</sup>   | 29      | 7 <sup>th</sup> |

# Drought Monitor: North Carolina



**March 26, 2019**  
 (Released Thursday, Mar. 28, 2019)  
 Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

|  | None   | D0-D4 | D1-D4 | D2-D4 | D3-D4 | D4   |
|--|--------|-------|-------|-------|-------|------|
| <b>Current</b>                                     | 98.05  | 1.95  | 0.00  | 0.00  | 0.00  | 0.00 |
| <b>Last Week</b><br><i>03-19-2019</i>              | 98.05  | 1.95  | 0.00  | 0.00  | 0.00  | 0.00 |
| <b>3 Months Ago</b><br><i>12-25-2018</i>           | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 |
| <b>Start of Calendar Year</b><br><i>01-01-2019</i> | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 |
| <b>Start of Water Year</b><br><i>09-25-2018</i>    | 100.00 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00 |
| <b>One Year Ago</b><br><i>03-27-2018</i>           | 69.47  | 30.53 | 0.00  | 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.*

Author:

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 U.S. Department of Agriculture

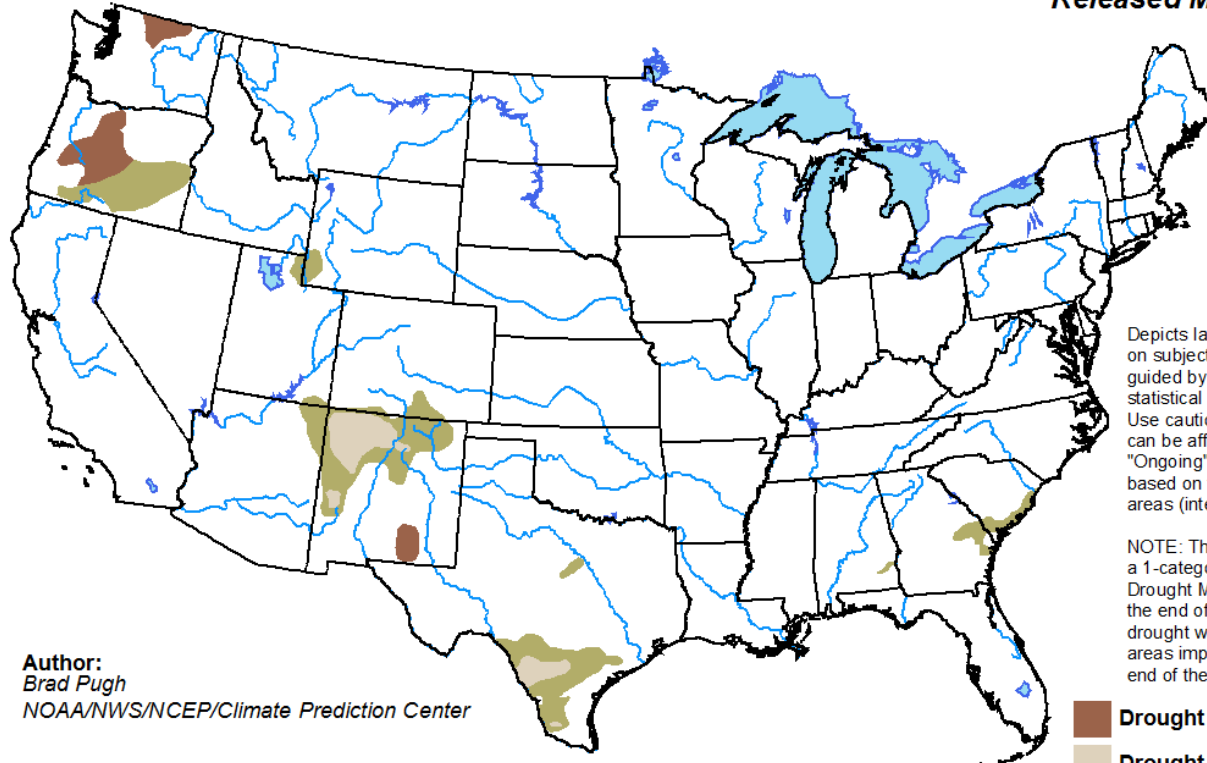


<http://droughtmonitor.unl.edu/>

# Monthly Drought Outlook

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





Valid for April 2019  
Released March 31, 2019

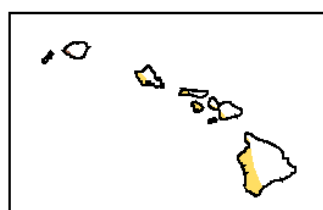
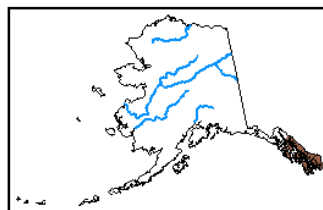


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to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