

# October 2019 Climate Review

Presented By:

National Weather Service  
Newport/Morehead City, NC



# October 2019 Highlights

Mirlo @ NC 12 2019-10-11 17:39:10



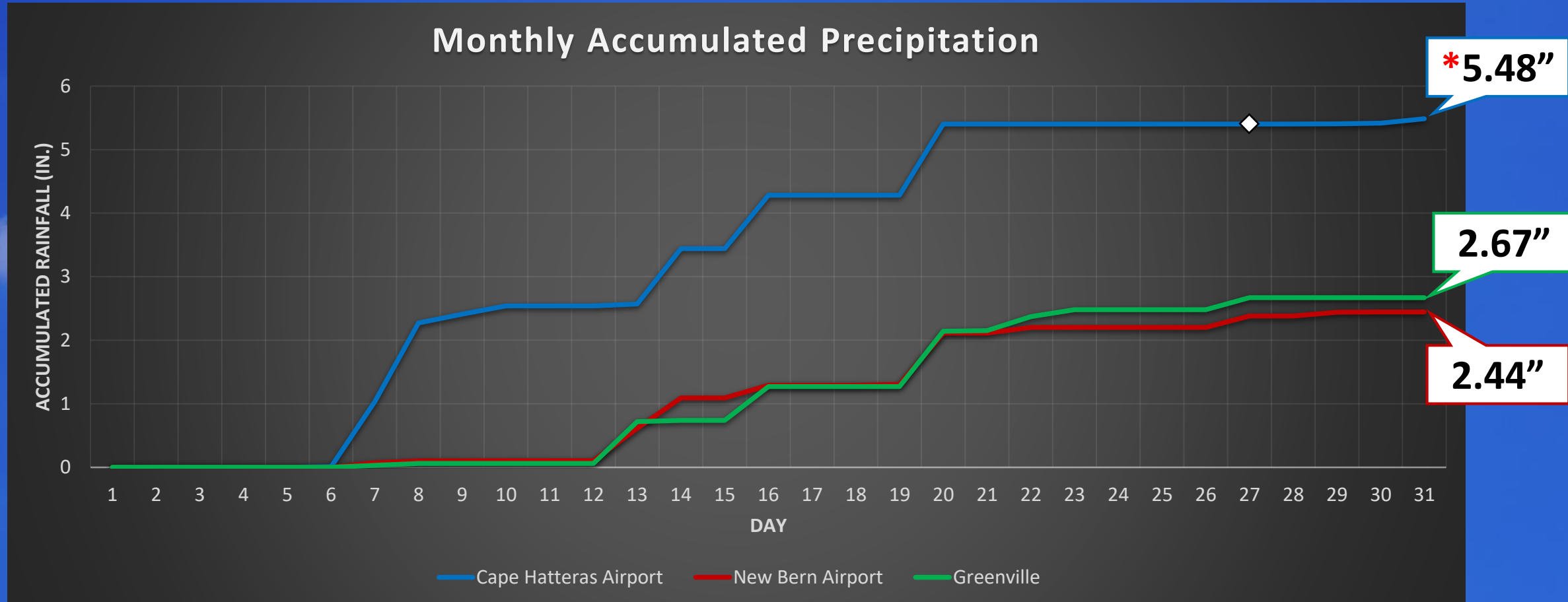
NCDOT traffic cameras capture a flooded Highway 12 near Rodanthe as dunes give way to persistent and high swell on October 11<sup>th</sup>. Image courtesy of NCDOT.

**Hot Start:** October started on a very warm note with temperatures soaring into the mid to upper 90s as an unusually warm air mass settled over the Southeast. Greenville broke its all time October high temperature record, reaching 98 degrees on the 3<sup>rd</sup>.

**Coastal Flooding:** A stalled low well off the U.S. coast brought persistent swell and elevated water levels to the Outer Banks, repeatedly washing out dunes along Highway 12.

**Post-Tropical Cyclone Nestor:** The remnants of Nestor quickly traversed North Carolina in late October bringing a quick hit of 1-3 inches of rain for most of the area.

# October 2019 Rainfall

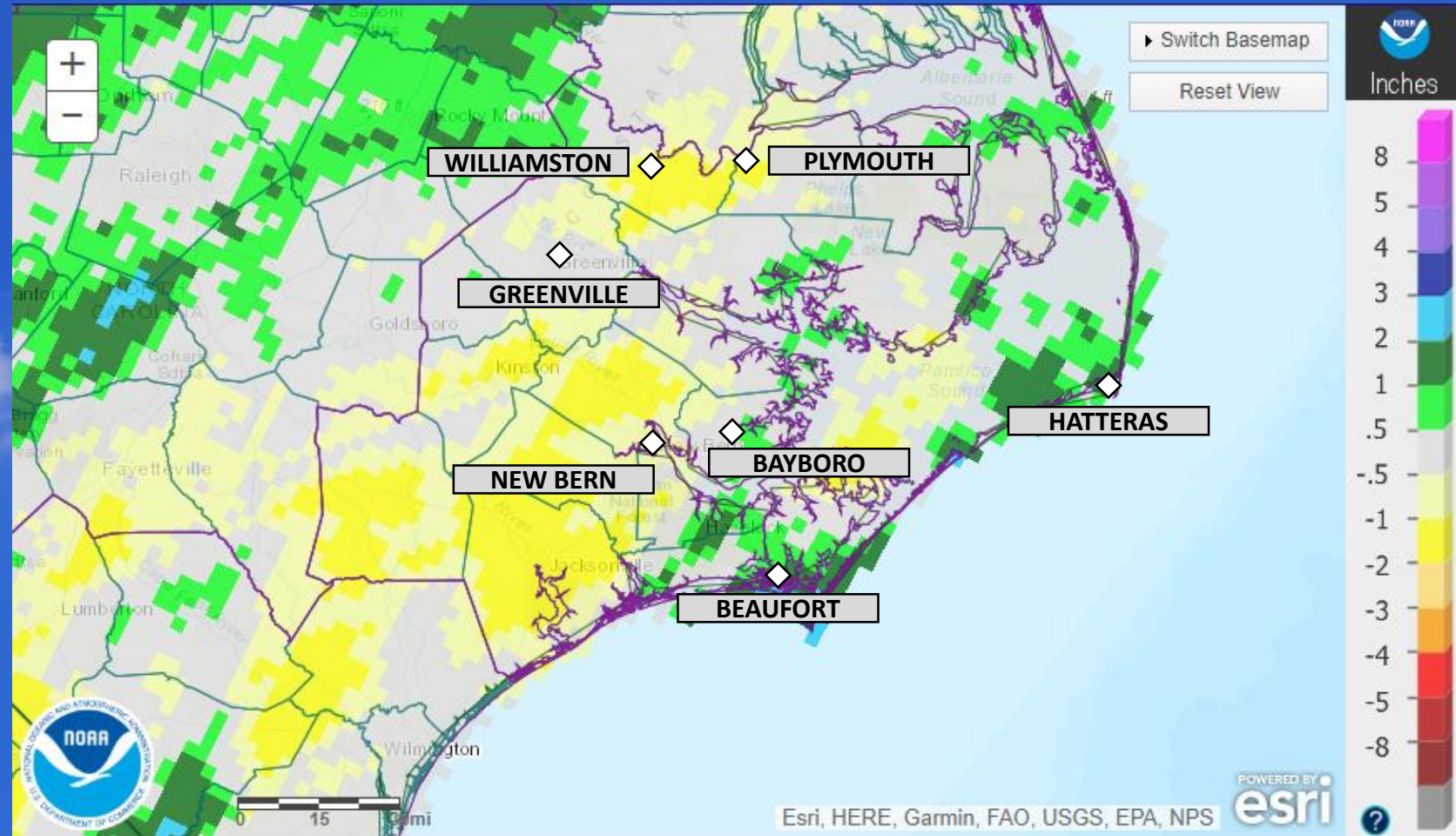


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

# October 2019 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	5.79	3.88	▲ 1.91
Hatteras	5.48	5.38	▲ 0.10
New Bern	2.44	3.26	▼ 0.82
Greenville	2.67	3.25	▼ 0.58
Williamston	2.51	3.90	▼ 1.39
Plymouth	2.42	3.75	▼ 1.33
Bayboro	4.01	3.98	▲ 0.03

Red sites have missing data



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

# Average Temperatures: October 2019

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
<b>Beaufort</b>	77.5	73.8	▲ 3.7	62.4	57.0	▲ 5.4
<b>Hatteras</b>	74.6	72.0	▲ 2.6	61.8	59.7	▲ 2.1
<b>New Bern</b>	77.9	74.7	▲ 3.2	58.0	53.5	▲ 4.5
<b>Greenville</b>	77.3	73.8	▲ 3.5	56.7	50.6	▲ 6.1
<b>Kinston</b>	78.3	76.6	▲ 1.7	55.7	52.8	▲ 2.9
<b>Williamston</b>	75.5	73.3	▲ 2.2	56.0	49.4	▲ 6.6
<b>Plymouth</b>	77.2	74.3	▲ 2.9	56.9	51.9	▲ 5.0
<b>Bayboro</b>	77.6	75.1	▲ 2.5	56.3	52.3	▲ 4.0

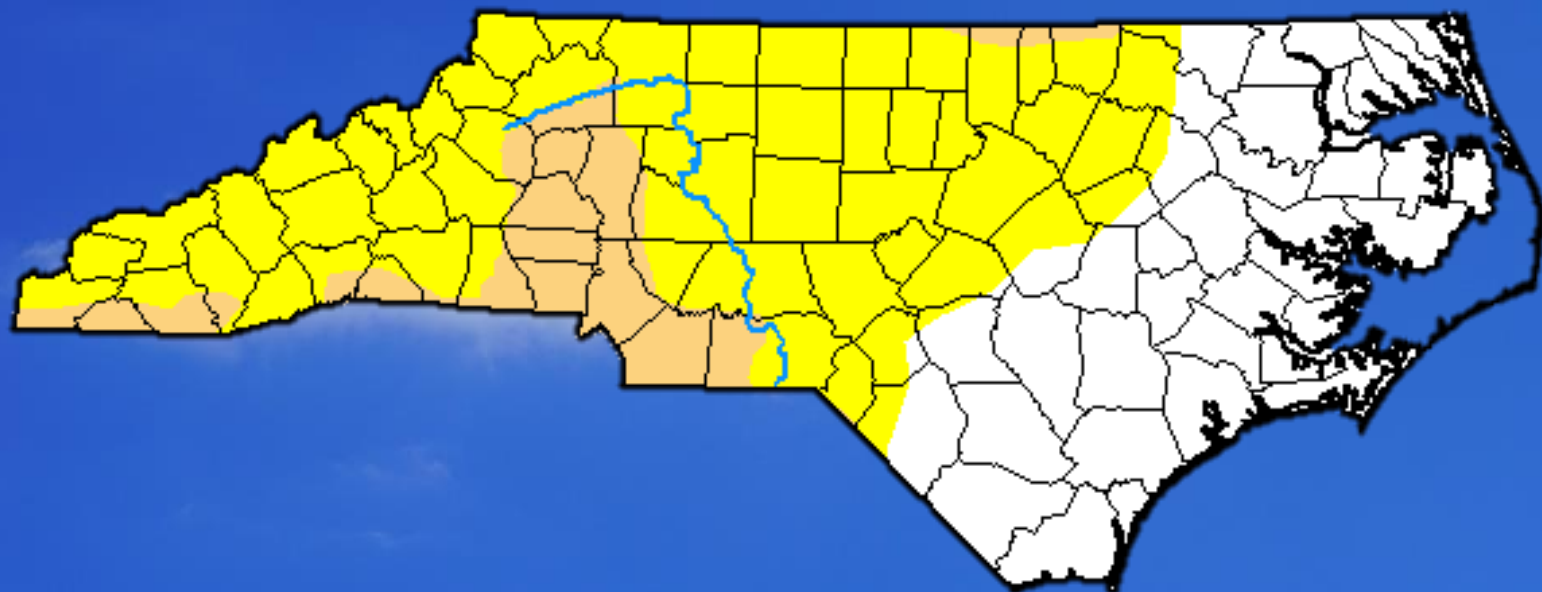
Red sites have missing data

# Temperature Extremes: October 2019

	Max High	Date Obs.	Min Low	Date Obs.
<b>Beaufort</b>	90	4 <sup>th</sup>	47	19 <sup>th</sup>
<b>Hatteras</b>	85	2 <sup>nd</sup>	50	19 <sup>th</sup>
<b>New Bern</b>	95	3 <sup>rd</sup>	41	19 <sup>th</sup>
<b>Greenville</b>	98	3 <sup>rd</sup>	41	19 <sup>th</sup>
<b>Kinston</b>	96	4 <sup>th</sup>	41	19 <sup>th</sup> , 20 <sup>th</sup>
<b>Williamston</b>	96	4 <sup>th</sup>	42	19 <sup>th</sup>
<b>Plymouth</b>	95	3 <sup>rd</sup>	39	19 <sup>th</sup>
<b>Bayboro</b>	94	4 <sup>th</sup>	42	19 <sup>th</sup>

Red sites have missing data

# Drought Monitor: North Carolina



**October 29, 2019**  
 (Released Thursday, Oct. 31, 2019)  
 Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	37.99	62.01	11.80	0.00	0.00	0.00
<b>Last Week</b> <i>10-22-2019</i>	38.24	61.76	34.60	6.08	0.00	0.00
<b>3 Months Ago</b> <i>07-30-2019</i>	77.08	22.92	8.91	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-01-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>10-01-2019</i>	37.68	62.32	41.69	4.40	0.00	0.00
<b>One Year Ago</b> <i>10-30-2018</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:

- None
- 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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 Western Regional Climate Center

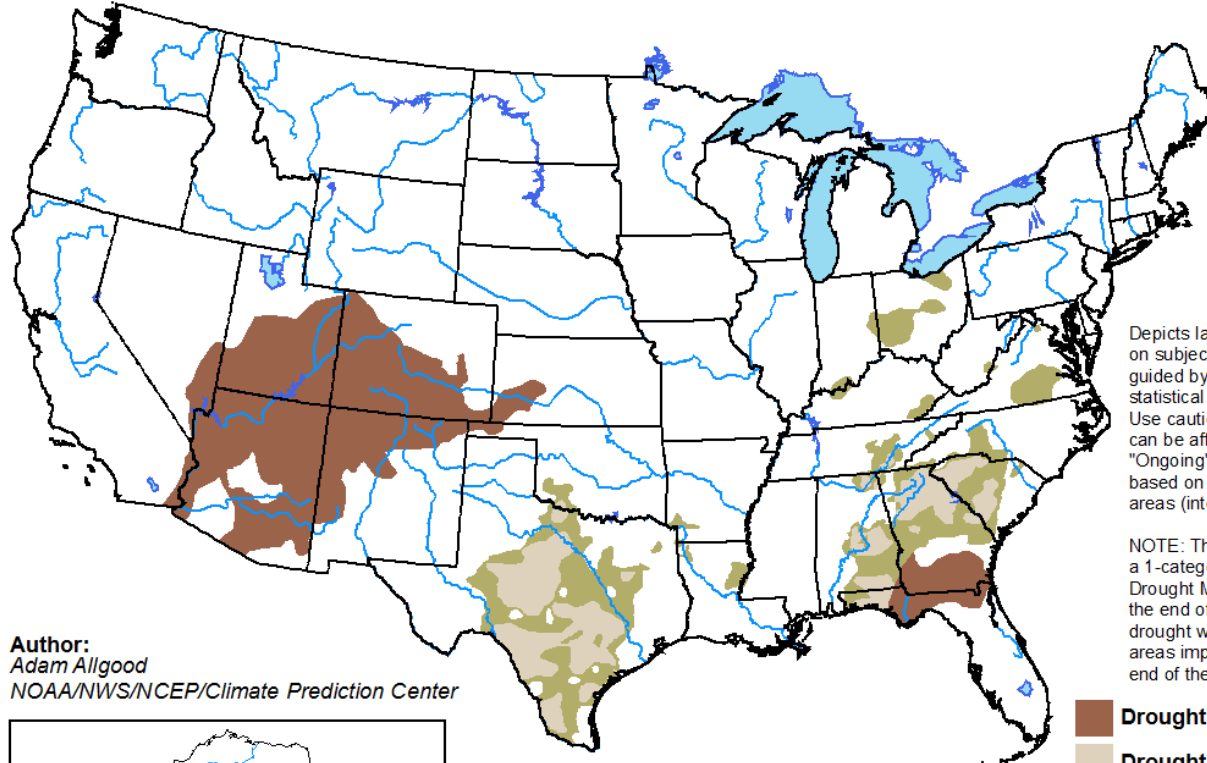


[droughtmonitor.unl.edu](http://droughtmonitor.unl.edu)

# Monthly Drought Outlook

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

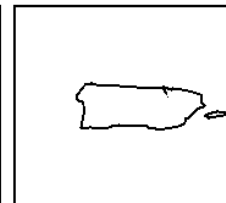
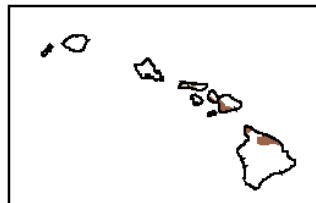
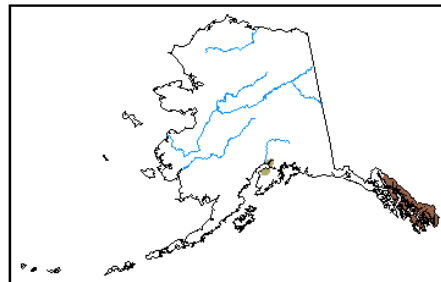
Valid for November 2019  
Released October 31, 2019







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>