

May 2019 Climate Review

Presented By:

National Weather Service
Newport/Morehead City, NC

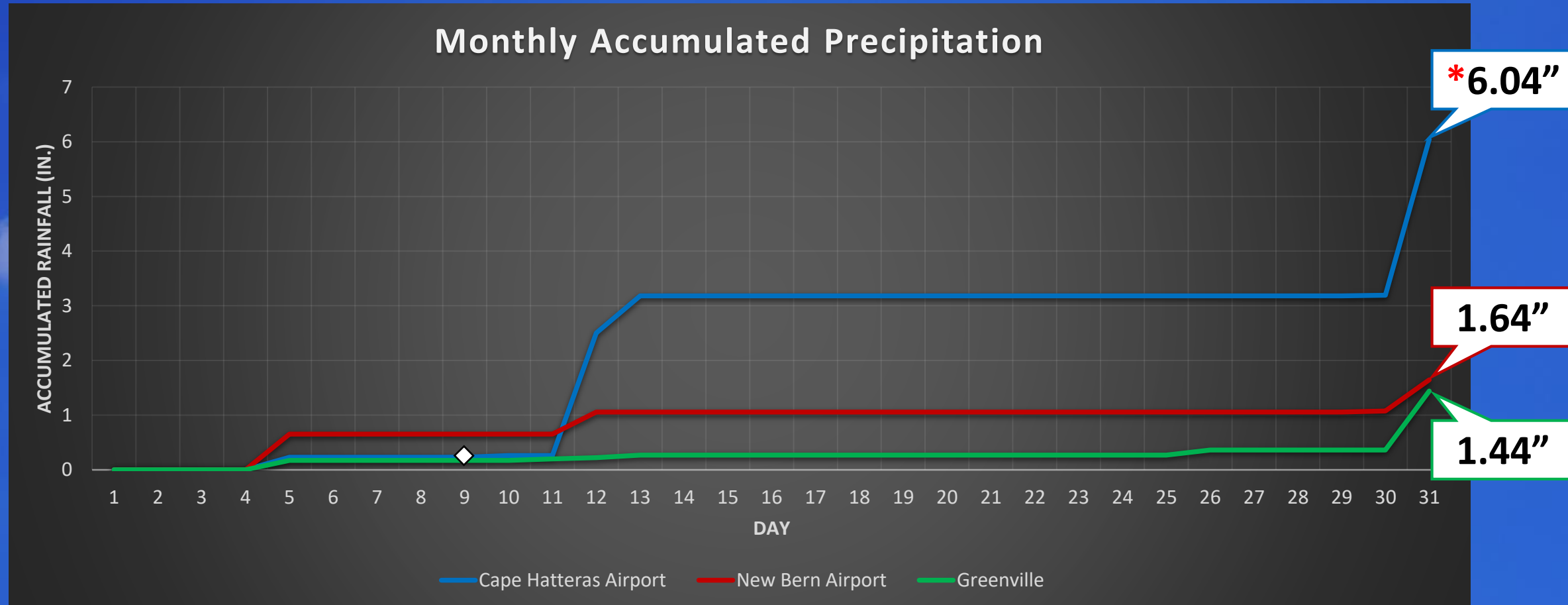
May 2019 Summary



Hail from a severe thunderstorm south of Williamston on May 31, 2019. Image courtesy of the Martin County emergency manager.

Eastern NC experienced abnormally warm and dry conditions in May 2019 with temperatures soaring to near 100 at the end of the month. Temperatures at some locations were nearly 8 degrees above average; Hatteras airport saw its warmest May since 1957. Despite severe thunderstorms at the end of the month, almost all of the region apart from portions of the Outer Banks were 2-3 inches drier than normal.

May 2019 Rainfall

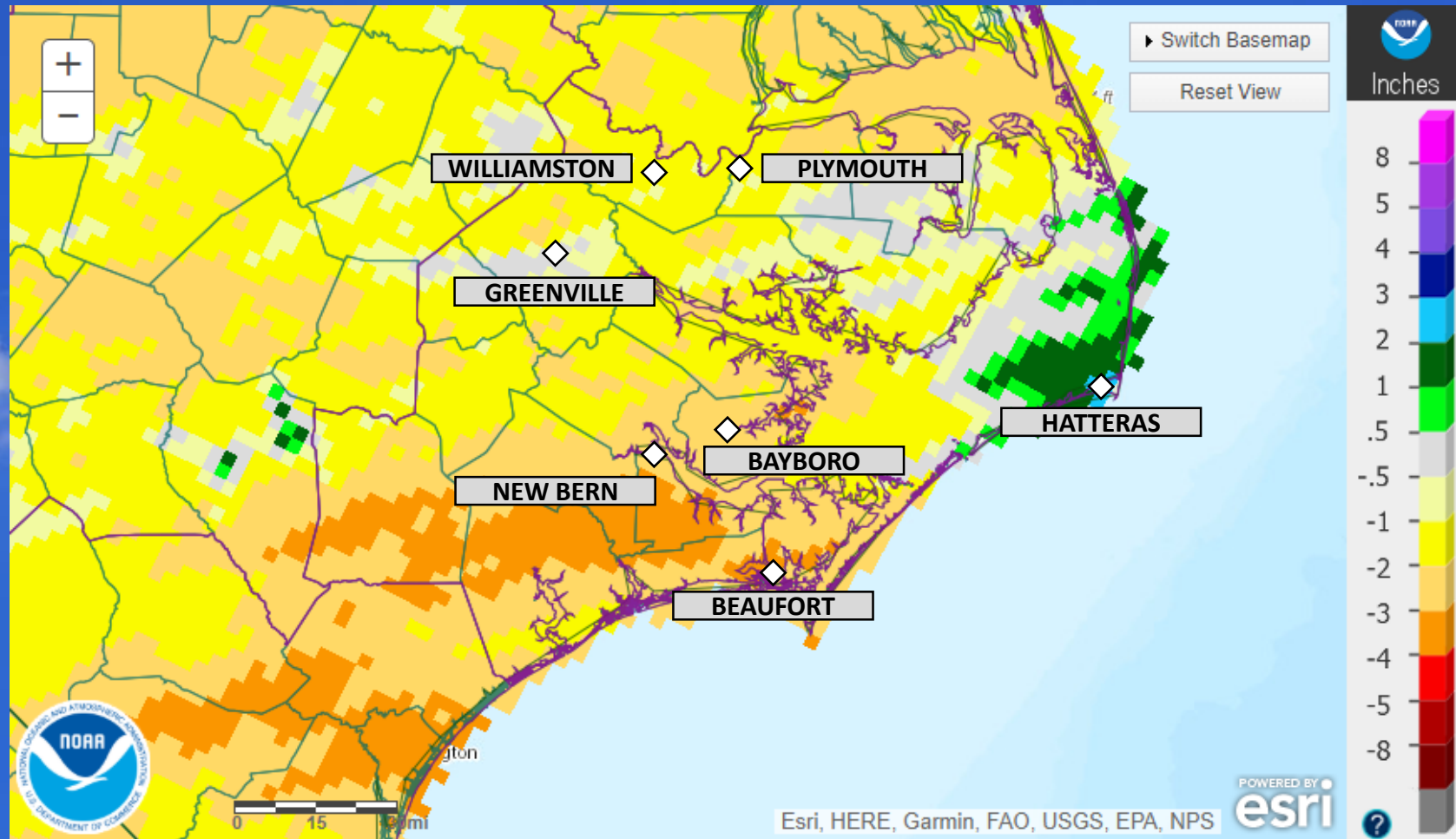


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

May 2019 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	1.43	3.93	▼ 2.50
Hatteras	6.04	3.57	▲ 2.47
New Bern	1.64	4.15	▼ 2.51
Greenville	1.44	3.85	▼ 2.41
Williamston	0.98	3.74	▼ 2.76
Plymouth	1.25	4.19	▼ 2.94
Bayboro	1.55	4.12	▼ 2.57

Red sites have missing data



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

Average Temperatures: May 2019

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	81.8	76.0	▲ 5.8	67.4	61.5	▲ 5.9
Hatteras	81.1	73.7	▲ 7.4	67.0	60.5	▲ 6.5
New Bern	86.6	80.3	▲ 6.3	63.1	58.7	▲ 4.4
Greenville	87.8	80.2	▲ 7.6	63.8	57.6	▲ 6.2
Kinston	87.9	82.7	▲ 5.2	63.8	58.4	▲ 5.4
Williamston	86.0	78.5	▲ 7.5	64.3	55.9	▲ 8.4
Plymouth	86.0	80.7	▲ 5.3	62.4	57.2	▲ 5.2
Bayboro	84.9	79.7	▲ 5.2	60.6	58.3	▲ 2.3

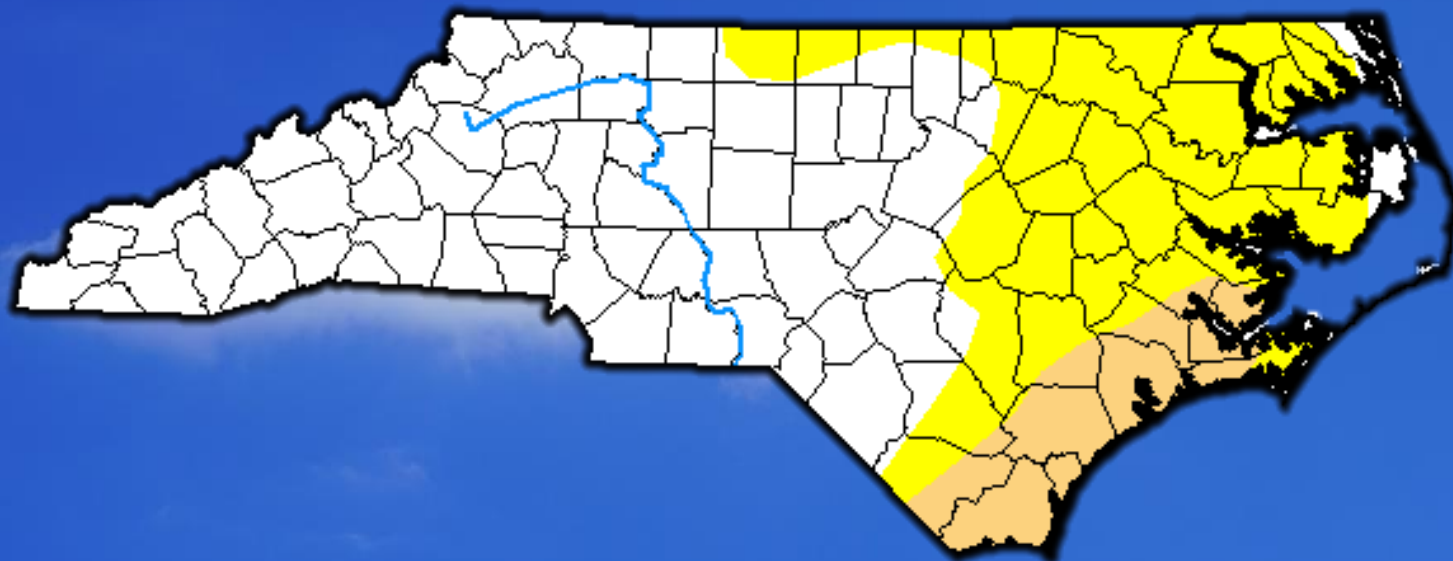
Red sites have missing data

Temperature Extremes: May 2019

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	92	27 th	52	15 th
Hatteras	90	29 th	55	7 th
New Bern	99	29 th , 30 th	49	15 th
Greenville	98	28 th , 29 th , 30 th	46	15 th , 16 th
Kinston	100	29 th , 30 th , 31 st	45	15 th
Williamston	97	30 th , 31 st	50	15 th
Plymouth	97	30 th	47	15 th
Bayboro	97	31 st	46	15 th

Red sites have missing data

Drought Monitor: North Carolina



May 28, 2019

(Released Thursday, May. 30, 2019)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	59.46	40.54	9.33	0.00	0.00	0.00
Last Week <i>05-21-2019</i>	77.27	22.73	0.00	0.00	0.00	0.00
3 Months Ago <i>02-26-2019</i>	98.05	1.95	0.00	0.00	0.00	0.00
Start of Calendar Year <i>01-01-2019</i>	100.00	0.00	0.00	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>05-29-2018</i>	97.06	2.94	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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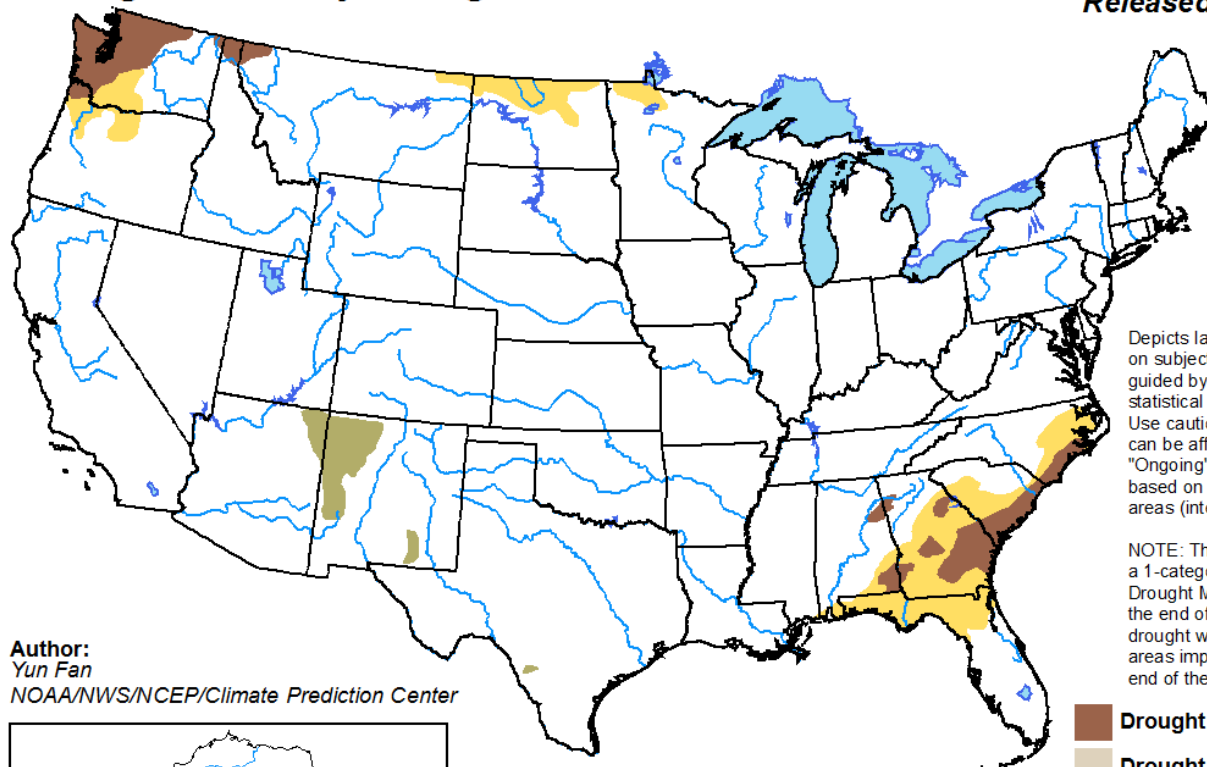


<http://droughtmonitor.unl.edu/>

Monthly Drought Outlook

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

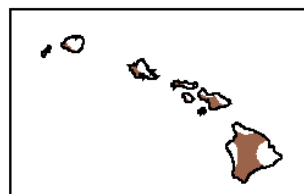
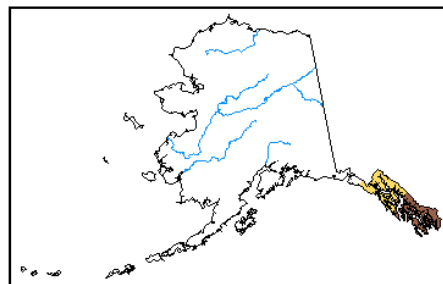
Valid for June 2019
Released May 31, 2019







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>