May 2019 Climate Review

Presented By:

National Weather Service

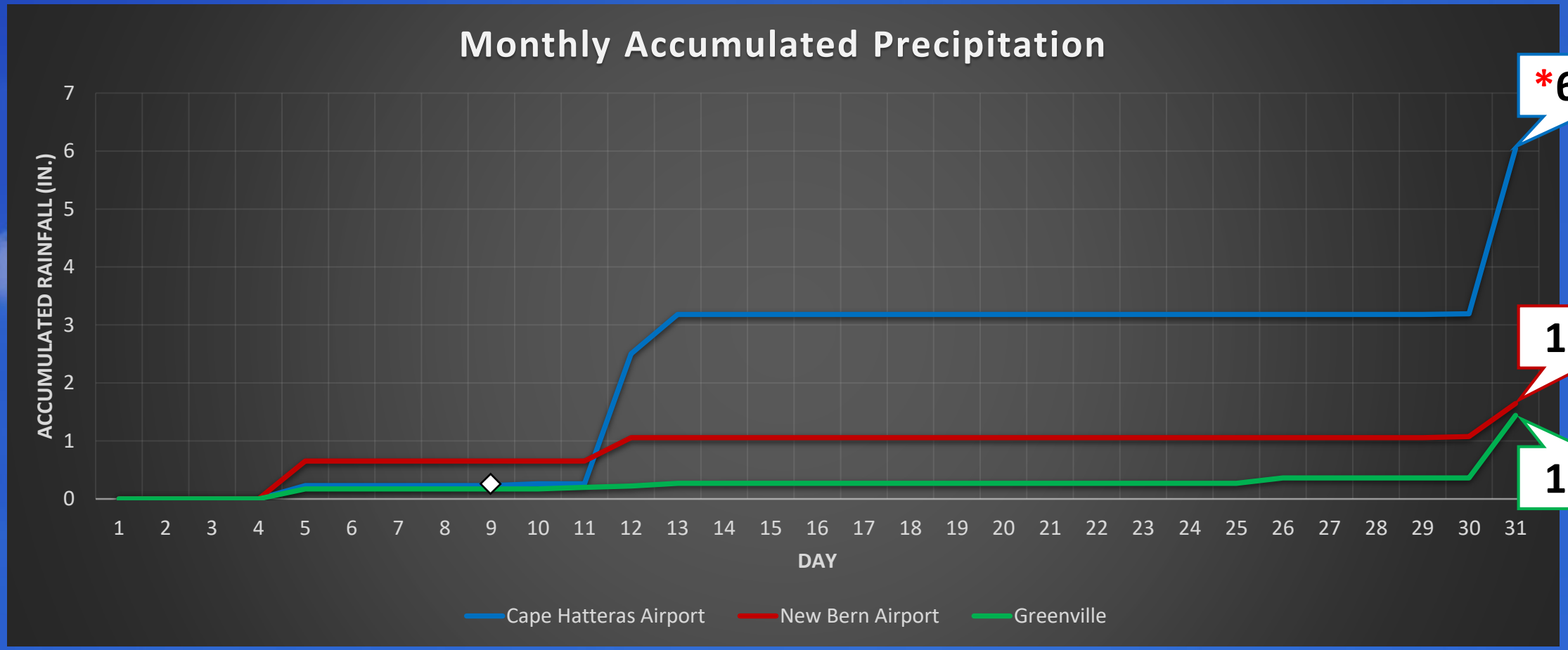
Newport/Morehead City, NC

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

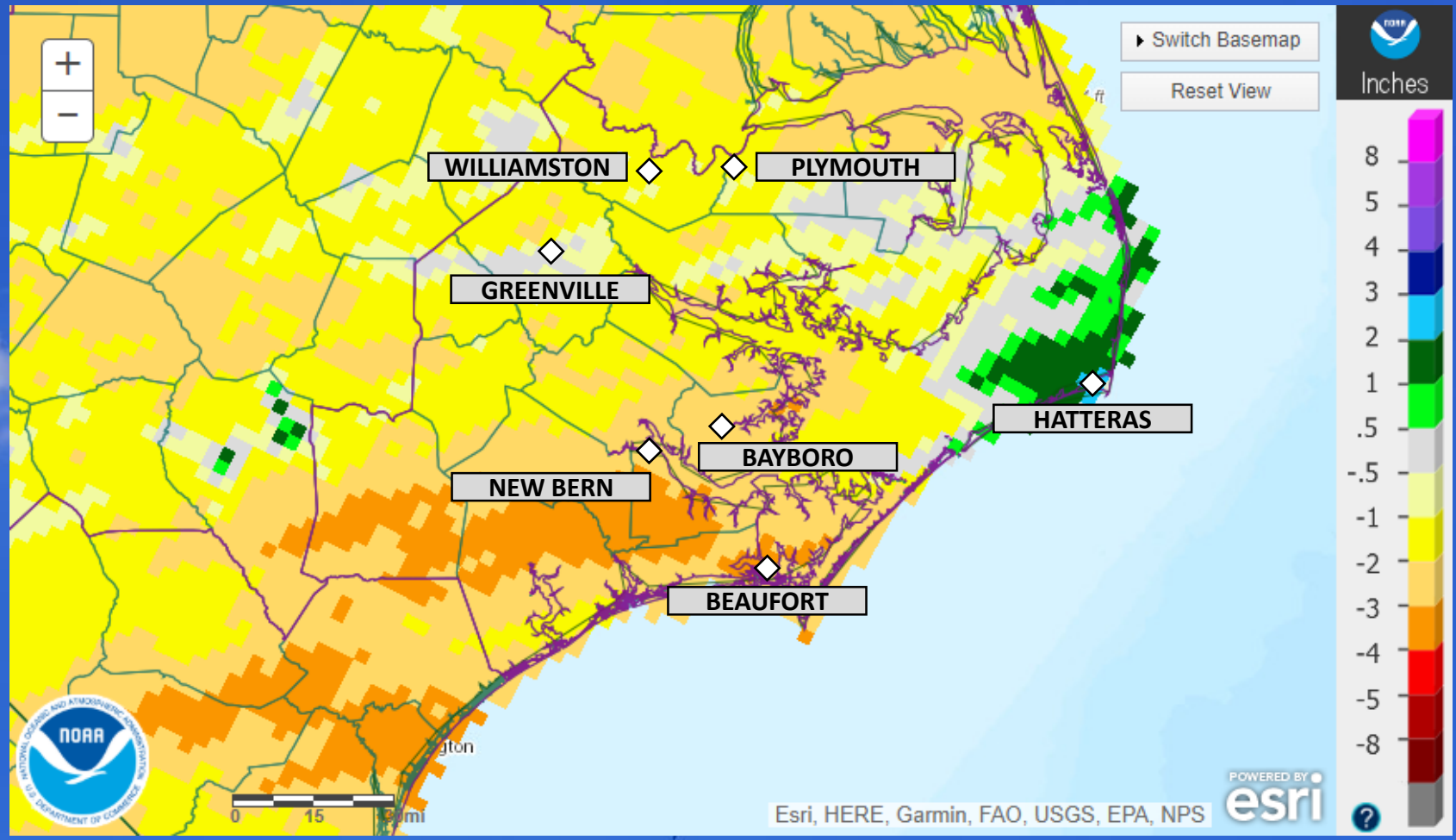


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

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

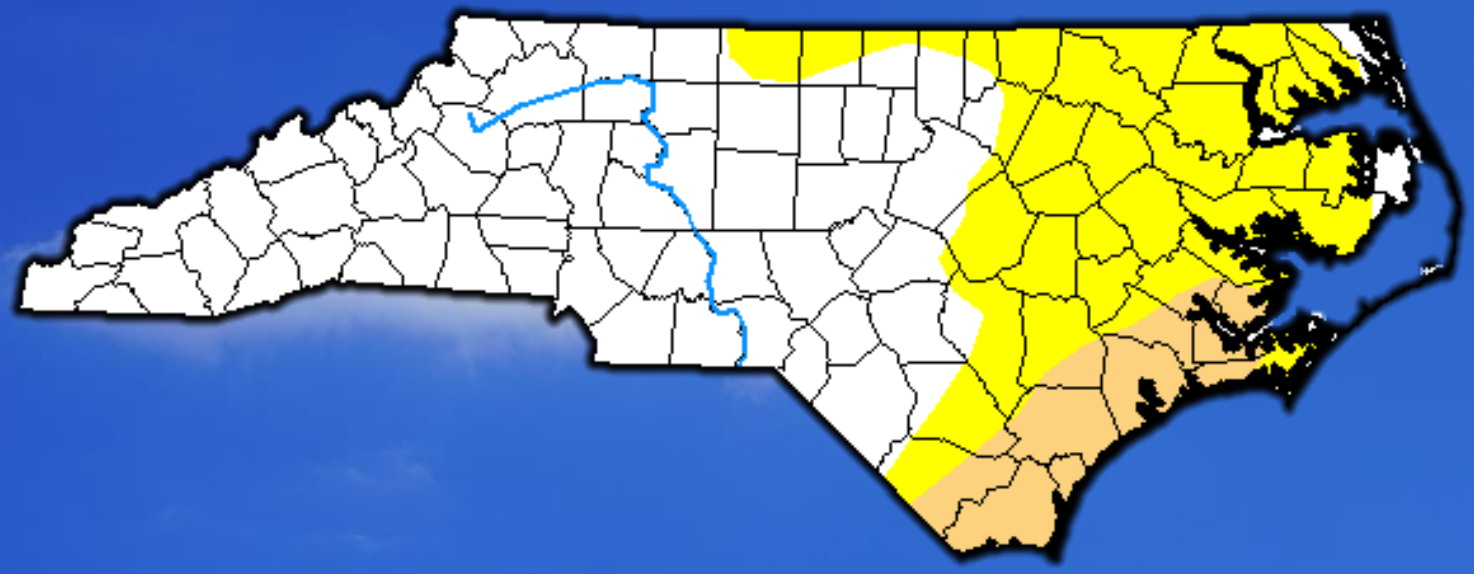
Red sites have missing data

Temperature Extremes: May 2019

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

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 *05-21-2019*	77.27	22.73	0.00	0.00	0.00	0.00
3 Months Ago *02-26-2019*	98.05	1.95	0.00	0.00	0.00	0.00
Start of Calendar Year *01-01-2019*	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year *09-25-2018*	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago *05-29-2018*	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.

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http://droughtmonitor.unl.edu/

Monthly Drought Outlook