June 2020 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

June 2020 Highlights

Strong thunderstorms approaching the Emerald Isle area on June 20, 2020

More Wet Weather: Parts of eastern North Carolina, especially coastal areas, had another wet month in June. An upper level low produced 3 to 4 inches of rain from Sneads Ferry to Manteo on June 16th and 17th.

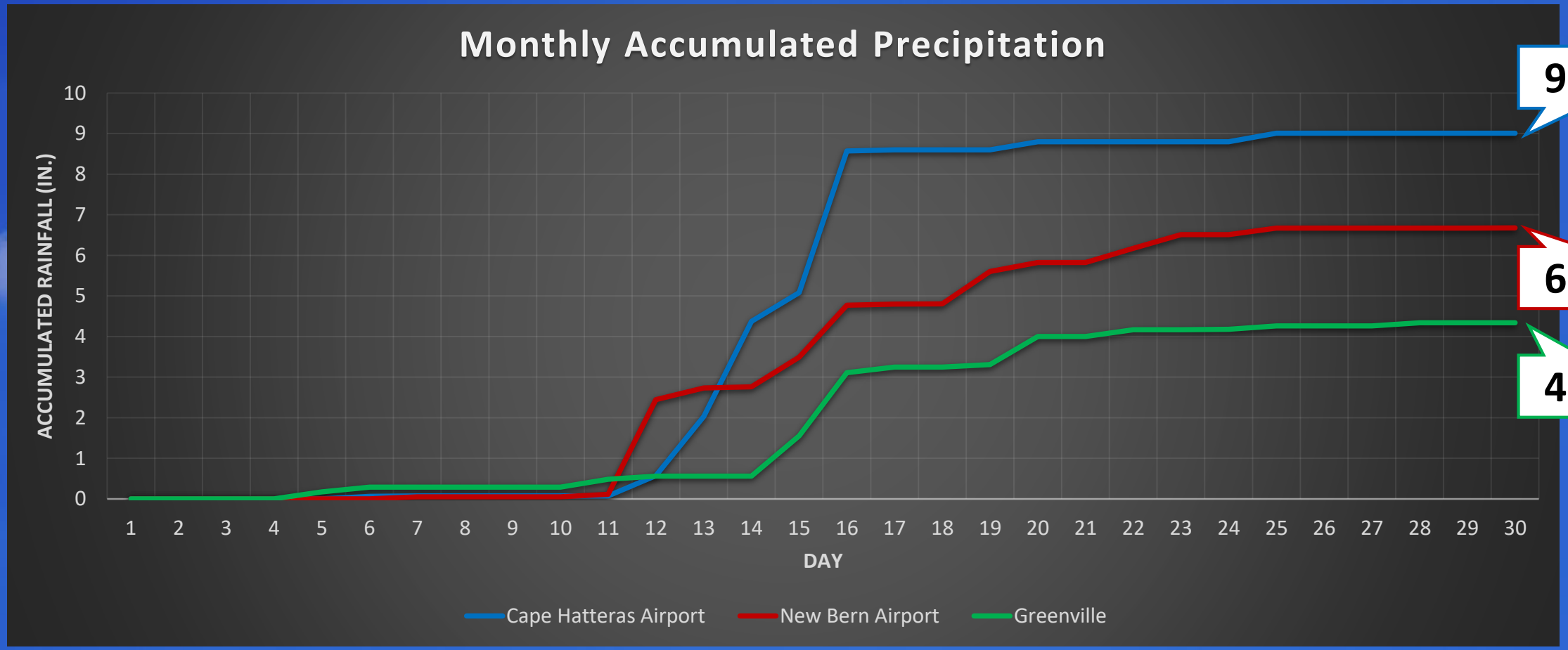
Saharan Dust: **A large plume of Saharan Dust moved into eastern North Carolina in late June around high pressure over the Gulf of Mexico. This made for some spectacular sunsets. The dust also inhibits the formation of tropical systems.**

Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	9th Warmest	6th Wettest
New Bern	23rd Coolest	20th Wettest

DISCLAIMER: The climate data provided are preliminary and have not undergone final quality control by NCDC. Therefore…this data is subject to revision.

June 2020 Rainfall

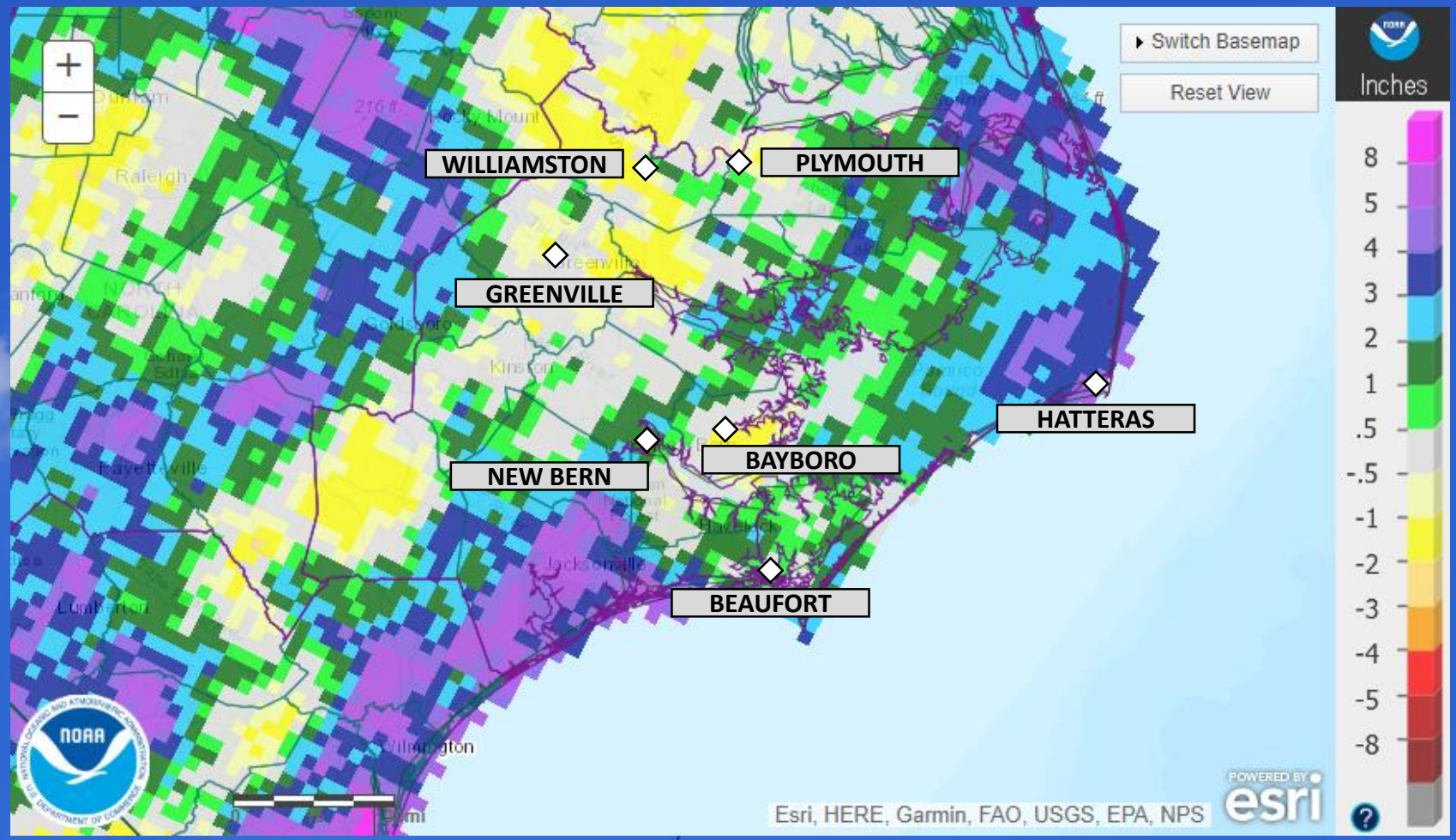


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

June 2020 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	4.74	4.64	▲ 0.10
Hatteras	9.01	4.03	▲ 4.98
New Bern	6.67	4.59	▲ 2.08
Greenville	4.34	4.31	▲ 0.03
Williamston	5.96	4.71	▲ 1.25
Plymouth	2.85	5.19	▼ 2.34
Bayboro	3.97	5.18	▼ 1.21

Red sites have missing data



June 2020 Precipitation: Departure from Normal

Analysis from the Advanced Hydrologic Prediction Service

Wettest and Driest Junes

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	20.95”	1949	16.69”	1962
2nd Wettest	10.80”	1962	10.70”	1945
3rd Wettest	10.51”	2016	8.87”	2010
4th Wettest	9.76”	1919	8.65”	1976
5th Wettest	9.14”	1995	8.30”	1989

	Cape Hatteras	Year Observed	New Bern	Year Observed
5th Driest	0.74”	1948	1.32”	1934
4th Driest	0.59”	2008	1.28”	1994
3rd Driest	0.50”	1952	1.27”	1959
2nd Driest	0.44”	1944	0.94”	2008
Driest	0.38”	1978	0.26”	1944

Average Temperatures: June 2020

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	81.7	81.5	▲ 0.2	71.4	70.0	▲ 1.4
Hatteras	83.6	81.0	▲ 2.6	72.3	69.3	▲ 3.0
New Bern	83.5	86.8	▼ 3.3	67.2	67.5	▼ 0.3
Greenville	84.5	87.2	▼ 2.7	68.0	66.7	▲ 1.3
Kinston	83.8	88.7	▼ 4.9	67.3	67.3	0.0
Williamston	82.4	85.8	▼ 3.4	68.0	65.0	▲ 3.0
Plymouth	84.5	87.1	▼ 2.6	66.2	66.2	0.0
Bayboro	82.4	86.2	▼ 3.8	65.8	67.5	▼ 1.7

Red sites have missing data

Warmest and Coolest Junes By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	80.3°	2011	85.1°	2010
2nd Warmest	79.5°	1952	81.3°	1943
3rd Warmest	79.4°	2018	80.8°	1952
4th Warmest	79.2°	1943	80.7°	1944
5th Warmest	79.1°	2015	80.6°	2015

	Cape Hatteras	Year Observed	New Bern	Year Observed
5th Coolest	71.6°	1979, 1958, 1927, 1915	73.2°	1972
4th Coolest	71.5°	1972, 1907	73.0°	1965
3rd Coolest	70.9°	1966	72.7°	1966
2nd Coolest	70.5°	1967	72.2°	1979
Coolest	70.2°	1997	71.0°	1967

Temperature Extremes: June 2020

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	88	26th, 30th	58	2nd
Hatteras	91	29th	57	1st
New Bern	92	22nd, 28th	55	1st
Greenville	93	22nd	57	1st
Kinston	92	23rd	56	1st, 2nd
Williamston	91	23rd	57	2nd
Plymouth	90	22nd, 28th, 29th, 30th	54	1st, 2nd
Bayboro	90	23rd, 29th, 30th	54	2nd

Red sites have missing data

Drought Monitor: North Carolina

June 30, 2020

(Released Thursday, Jul. 2, 2020)

Valid 8 a.m. EDT

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 *06-23-2020*	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago *03-31-2020*	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year *12-31-2019*	93.61	6.39	0.00	0.00	0.00	0.00
Start of Water Year *10-01-2019*	37.68	62.32	41.69	4.40	0.00	0.00
One Year Ago *07-02-2019*	68.19	31.81	11.87	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. For more information on the Drought Monitor, go to https://droughtmonitor.unl.edu/About.aspx

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droughtmonitor.unl.edu

Monthly Drought Outlook