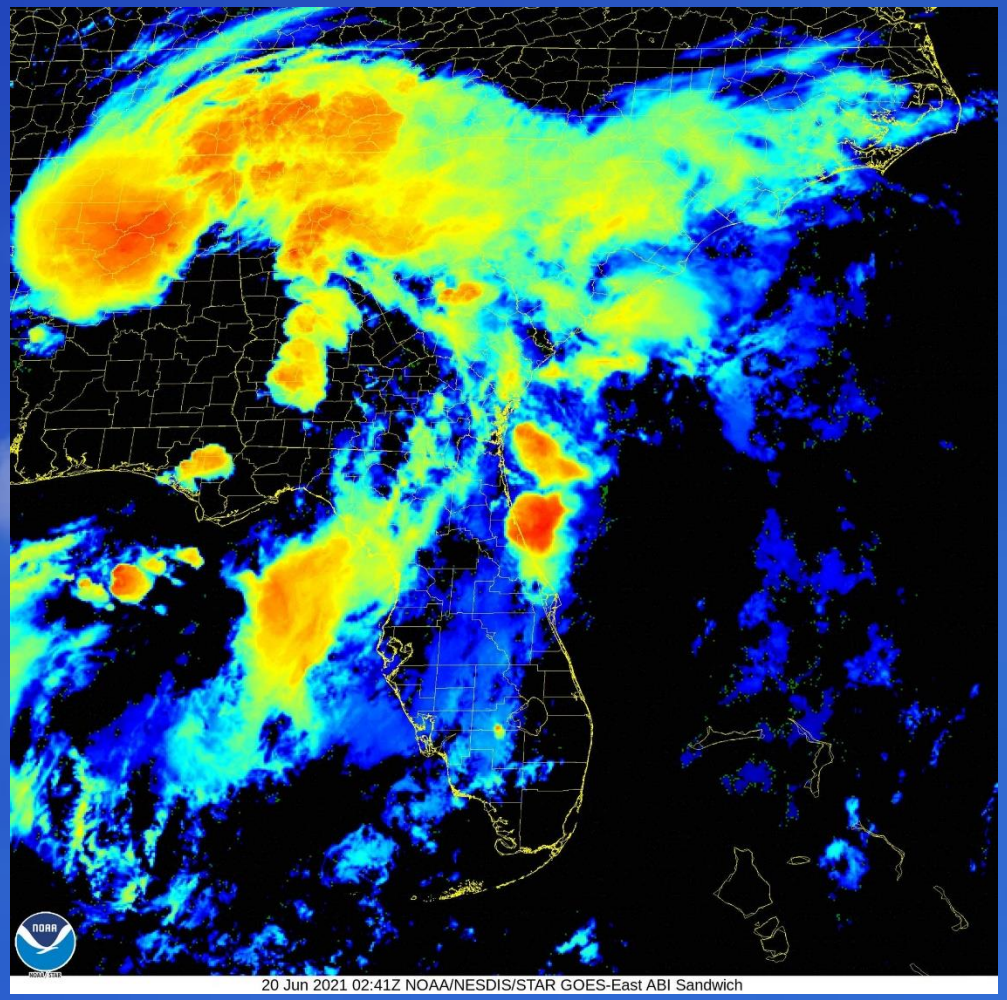
June 2021 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

June 2021 Highlights



Then-Tropical Depression Claudette treks across the southeastern CONUS on the evening of June 19th, 2021.

June 2021 in eastern NC featured a rapid reversal of drought conditions. The local office in Newport picked up 11.43” of rain, its wettest June since record keeping began in 1996. Inland climate sites saw rainfall nearly a half foot above average or more.

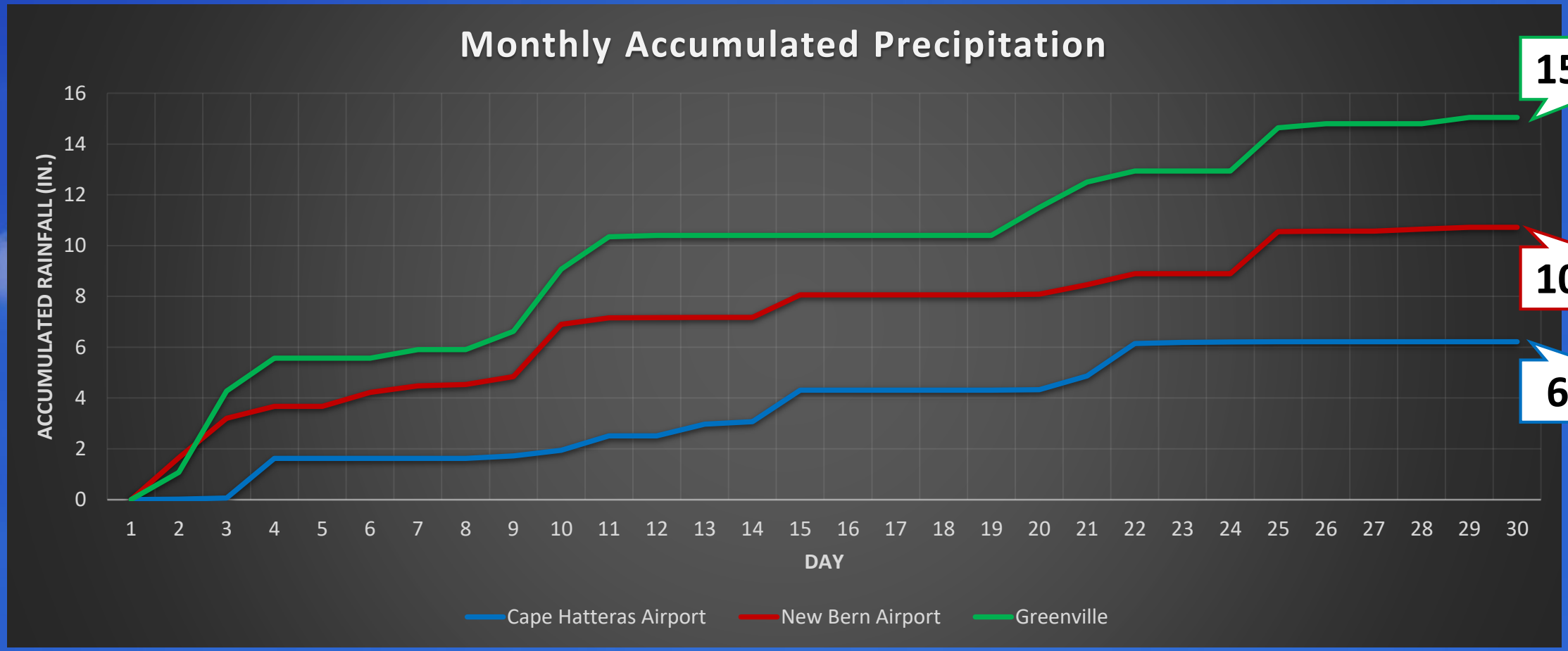
Temperatures remained around average for the month, with departures generally a degree or less across the board.

Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	9th Warmest	27th Wettest
New Bern	39th Coolest	2nd 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 2021 Rainfall

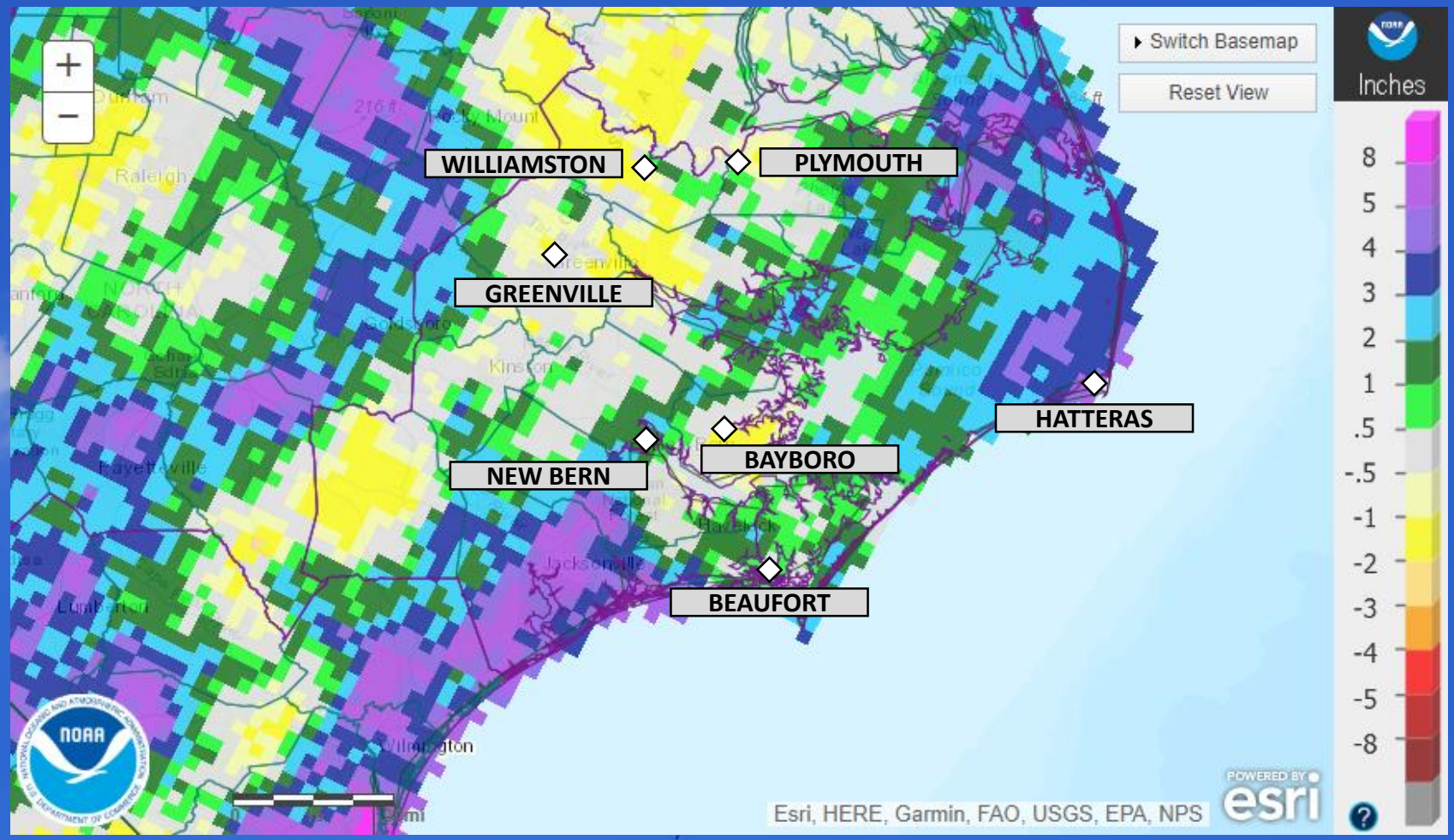


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

June 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	8.32	4.06	▲ 4.26
Hatteras	6.21	4.41	▲ 1.80
New Bern	10.72	4.60	▲ 6.12
Greenville	15.05	4.36	▲ 10.69
Williamston	13.28	5.13	▲ 8.15
Plymouth	10.80	5.42	▲ 5.38
Bayboro	11.20	5.40	▲ 5.80

Red sites have missing data



June 2021 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	**10.72”**	**2021**
3rd Wettest	10.51”	2016	10.70”	1945
4th Wettest	9.76”	1919	8.87”	2010
5th Wettest	9.14”	1995	8.65”	1976

	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 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	82.6	83.6	▼ 1.0	71.6	71.1	▲ 0.5
Hatteras	84.0	84.0	0.0	72.0	70.9	▲ 1.1
New Bern	85.5	86.7	▼ 1.2	68.5	67.2	▲ 1.3
Greenville	85.3	87.4	▼ 2.1	68.2	67.2	▲ 1.0
Kinston	85.0	87.9	▼ 2.9	67.8	67.6	▲ 0.2
Williamston	84.2	85.3	▼ 1.1	67.1	67.3	▼ 0.2
Plymouth	84.8	86.5	▼ 1.7	67.2	66.4	▲ 0.8
Bayboro	83.4	85.0	▼ 0.6	66.3	66.3	0.0

Red sites have missing data

Warmest and Coolest Junes By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	80.3°	2011	81.5°	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

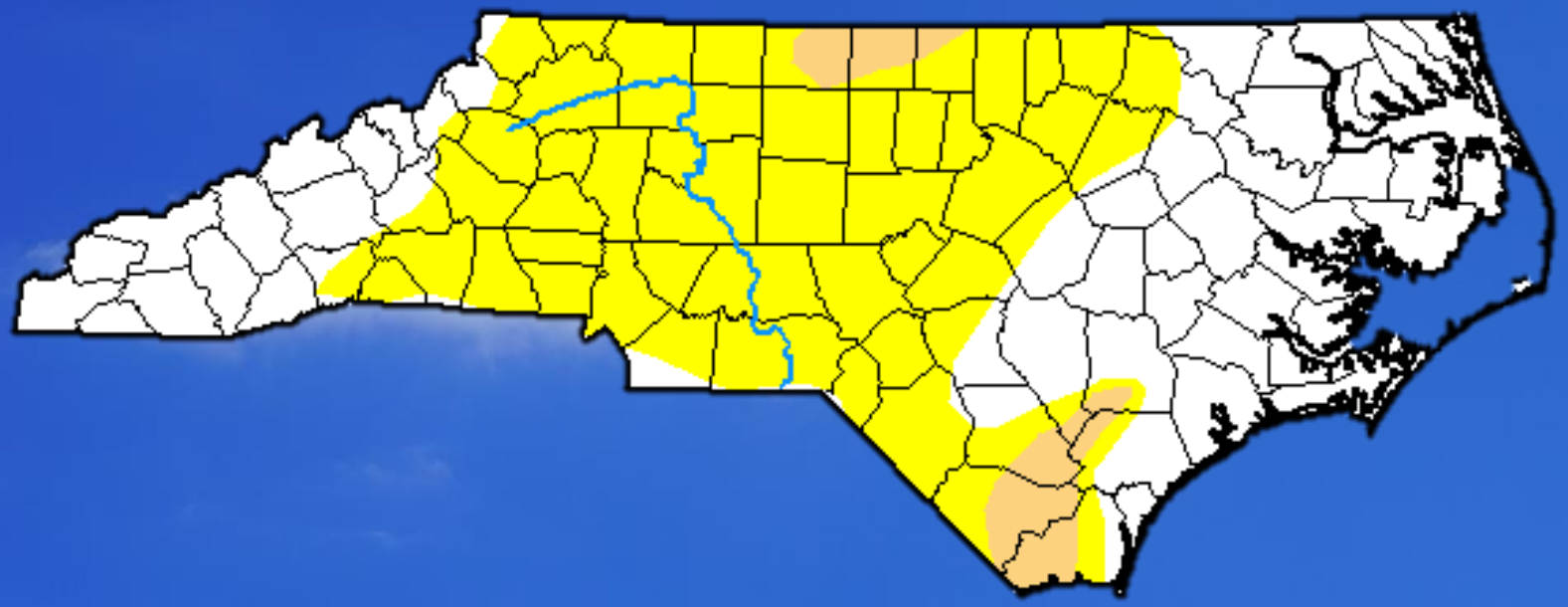
	Cape Hatteras	Year Observed	New Bern	Year Observed
5th Coolest	71.5°	1907	73.2°	1972
4th Coolest	71.5°	1972	73.0°	1965
3rd Coolest	70.9°	1966	72.7°	1966
2nd Coolest	70.5°	1967	72.2°	1979
Coolest	70.2°	1997	71.0°	1967

Temperature Extremes: June 2021

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	86	28th	57	1st
Hatteras	92	29th	60	1st
New Bern	91	19th, 21st, 30th	51	1st
Greenville	93	19th	55	1st
Kinston	93	20th	53	1st
Williamston	91	20th	49	1st
Plymouth	91	20th	49	1st
Bayboro	90	22nd	51	1st

Red sites have missing data

Drought Monitor: North Carolina



June 29, 2021

(Released Thursday, Jul. 1, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	45.20	54.80	4.54	0.00	0.00	0.00
Last Week *06-22-2021*	53.10	46.90	3.89	0.00	0.00	0.00
3 Months Ago *03-30-2021*	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year *12-29-2020*	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year *09-29-2020*	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago *06-30-2020*	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. 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