

# May 2020 Climate Review

**Presented By:**

**National Weather Service**

**Newport/Morehead City, NC**

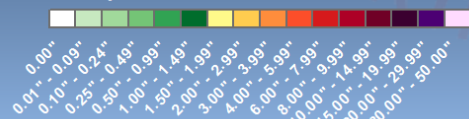
# May 2020 Highlights

## National Weather Service Newport/Morehead City North Carolina Storm Total Rainfall May 19-22, 2020 (Post TS Arthur)

Analysis Data Source: Regional Observations



Rainfall Analysis 0" - 50"



Created: 05/22/2020 10:59 AM

This is an experimental product. Care should be taken in using the data. Unofficial observations are plotted. Values at interpolated locations may not represent actual precipitation totals at that location.

Storm total rainfall from May 19-22, 2020. This excludes the approximate 3-5 inches that fell during TS Arthur's passage.

**Tropical Storm Arthur:** Tropical season got an early start in 2020 with the formation of TS Arthur, which neared the Outer Banks on May 18<sup>th</sup> but never quite made landfall. Arthur brought gusty winds to OBX and a swath of 3-5 inches of rain.

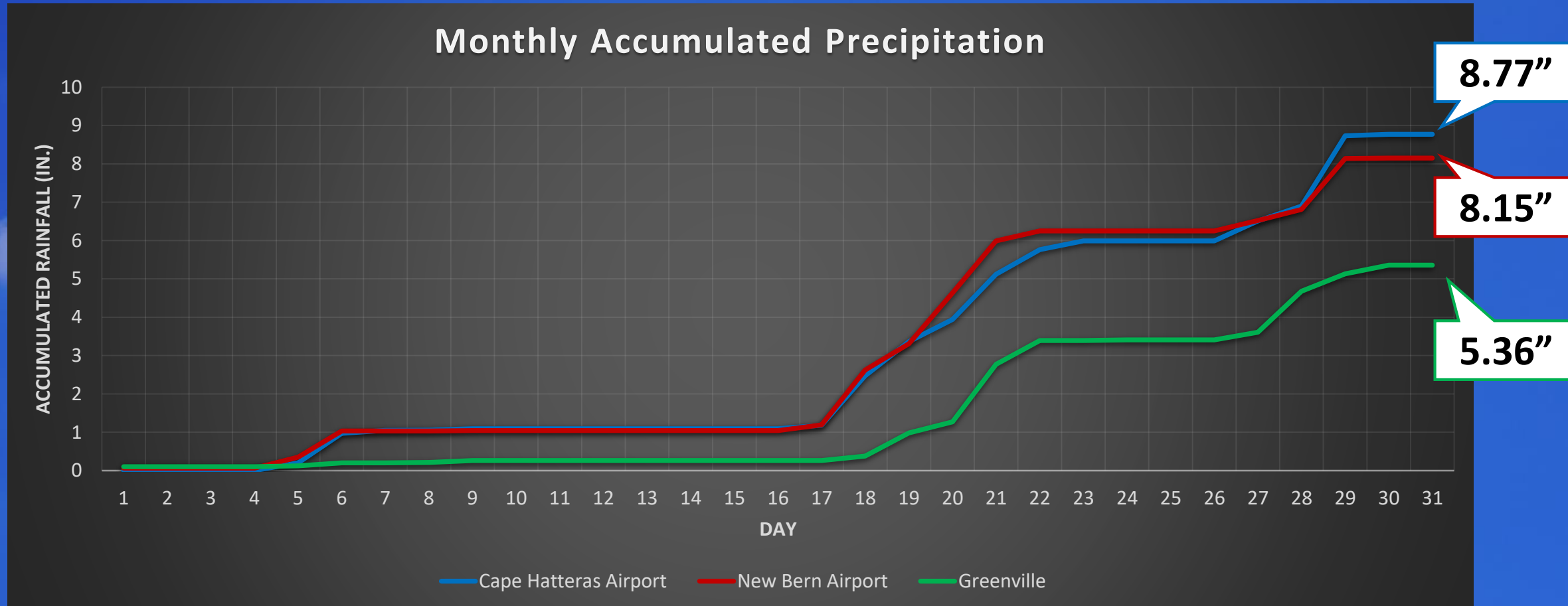
**Very Wet May:** Plenty of rain continued to fall in the days after Arthur's passage resulting in an abnormally wet May. The Newport office saw its second wettest May on record; the New Bern airport saw its 4<sup>th</sup> wettest.

### Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	14 <sup>th</sup> Warmest	8 <sup>th</sup> Wettest
New Bern	23 <sup>rd</sup> Coolest	4 <sup>th</sup> Wettest

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

# May 2020 Rainfall

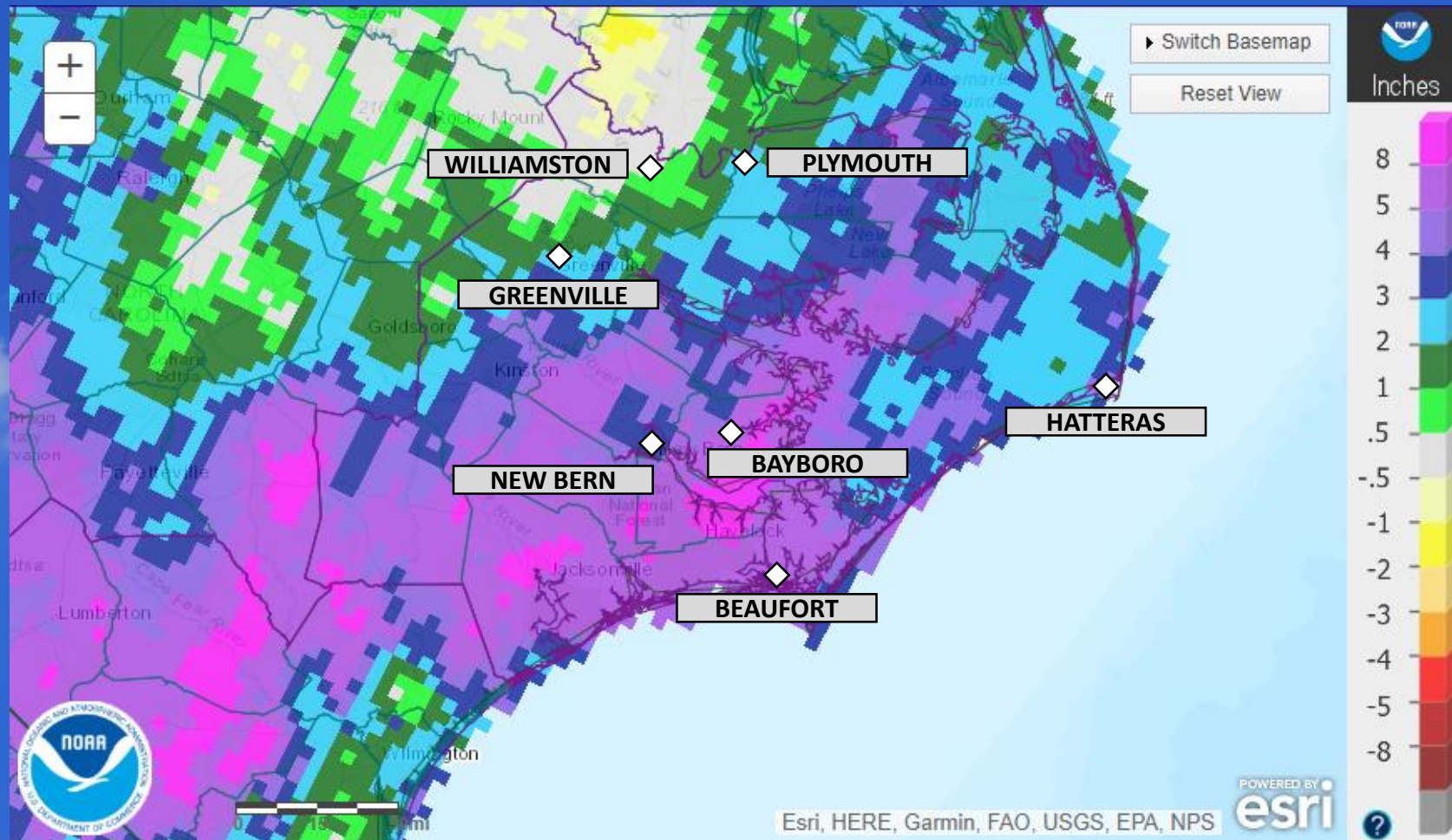


*White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.*

# May 2020 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	11.34	3.93	▲ 7.41
Hatteras	8.77	3.57	▲ 5.20
New Bern	8.15	4.15	▲ 4.00
Greenville	5.36	3.85	▲ 1.51
Williamston	5.01	3.74	▲ 1.27
Plymouth	5.57	4.19	▲ 1.38
Bayboro	10.37	4.12	▲ 6.25

Red sites have missing data



May 2020 Precipitation: Departure from Normal  
 Analysis from the Advanced Hydrologic Prediction Service

# Wettest and Driest Mays

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	12.67"	2016	10.10"	2003
2 <sup>nd</sup> Wettest	12.14"	2018	8.61"	2018
3 <sup>rd</sup> Wettest	11.70"	2003	8.32"	2009
4 <sup>th</sup> Wettest	11.69"	1940	<b>8.15"</b>	<b>2020</b>
5 <sup>th</sup> Wettest	11.44"	1972	8.00"	1990

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Driest	0.58"	1920	1.61"	1983
4 <sup>th</sup> Driest	0.55"	1906	1.43"	2010
3 <sup>rd</sup> Driest	0.53"	2011	1.18"	1962
2 <sup>nd</sup> Driest	0.49"	1991	0.99"	1982
Driest	0.35"	1987	0.47"	2011

# Average Temperatures: May 2020

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	75.1	76.0	▼ 0.9	60.3	61.5	▼ 1.2
Hatteras	75.0	73.7	▲ 1.3	62.5	60.5	▲ 2.0
New Bern	76.4	80.3	▼ 3.9	56.7	58.7	▼ 2.0
Greenville	76.0	80.2	▼ 4.2	57.3	57.6	▼ 0.3
Kinston	76.5	82.7	▼ 6.2	56.6	58.4	▼ 1.8
Williamston	73.8	78.5	▼ 4.7	57.0	55.9	▲ 1.1
Plymouth	76.6	80.7	▼ 4.1	56.4	57.2	▼ 0.8
Bayboro	75.9	79.7	▼ 3.8	57.2	58.3	▼ 1.1

Red sites have missing data

# Warmest and Coolest Mays By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	74.1°	2019	75.1°	1953
2 <sup>nd</sup> Warmest	73.4°	1991	74.9°	2019
3 <sup>rd</sup> Warmest	73.1°	2012	74.4°	1991
4 <sup>th</sup> Warmest	73.0°	2018	73.9°	1982
5 <sup>th</sup> Warmest	72.4°	2017	73.8°	1962

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Coolest	63.9°	1966	65.9°	1968
4 <sup>th</sup> Coolest	63.3°	1963	65.6°	1963
3 <sup>rd</sup> Coolest	63.0°	1961, 2005	65.5°	1992
2 <sup>nd</sup> Coolest	62.8°	1967	65.2°	2005
Coolest	61.0°	1920	62.6°	1967

# Temperature Extremes: May 2020

	Max High	Date Obs.	Min Low	Date Obs.
<b>Beaufort</b>	84	4 <sup>th</sup>	44	10 <sup>th</sup>
<b>Hatteras</b>	84	17 <sup>th</sup>	48	13 <sup>th</sup>
<b>New Bern</b>	87	3 <sup>rd</sup>	39	10 <sup>th</sup>
<b>Greenville</b>	88	16 <sup>th</sup>	36	10 <sup>th</sup>
<b>Kinston</b>	87	17 <sup>th</sup> , 25 <sup>th</sup>	39	10 <sup>th</sup>
<b>Williamston</b>	87	17 <sup>th</sup>	42	9 <sup>th</sup> , 12 <sup>th</sup>
<b>Plymouth</b>	89	16 <sup>th</sup>	40	10 <sup>th</sup> , 12 <sup>th</sup>
<b>Bayboro</b>	86	4 <sup>th</sup> , 17 <sup>th</sup> , 18 <sup>th</sup>	41	10 <sup>th</sup>

Red sites have missing data



# Drought Monitor: North Carolina



**June 2, 2020**

(Released Thursday, Jun. 4, 2020)

Valid 8 a.m. EDT

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>05-26-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>03-03-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>12-31-2019</i>	93.61	6.39	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>06-04-2019</i>	51.43	48.57	11.23	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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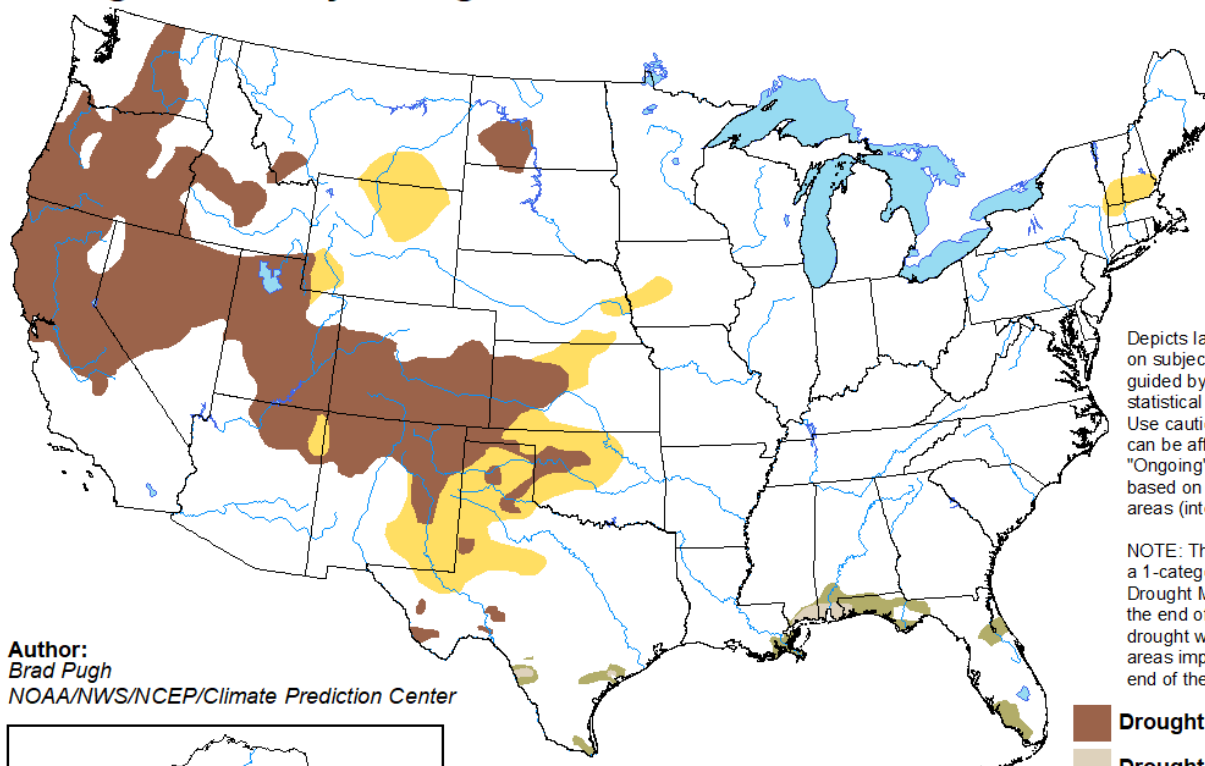


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# Monthly Drought Outlook

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

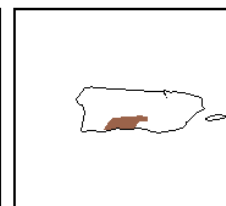
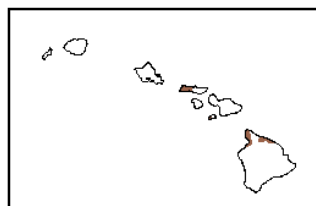
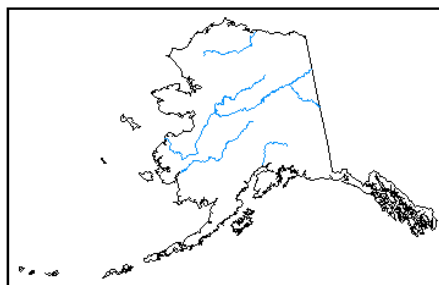
Valid for June 2020  
Released May 31, 2020







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>