

February 2020 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

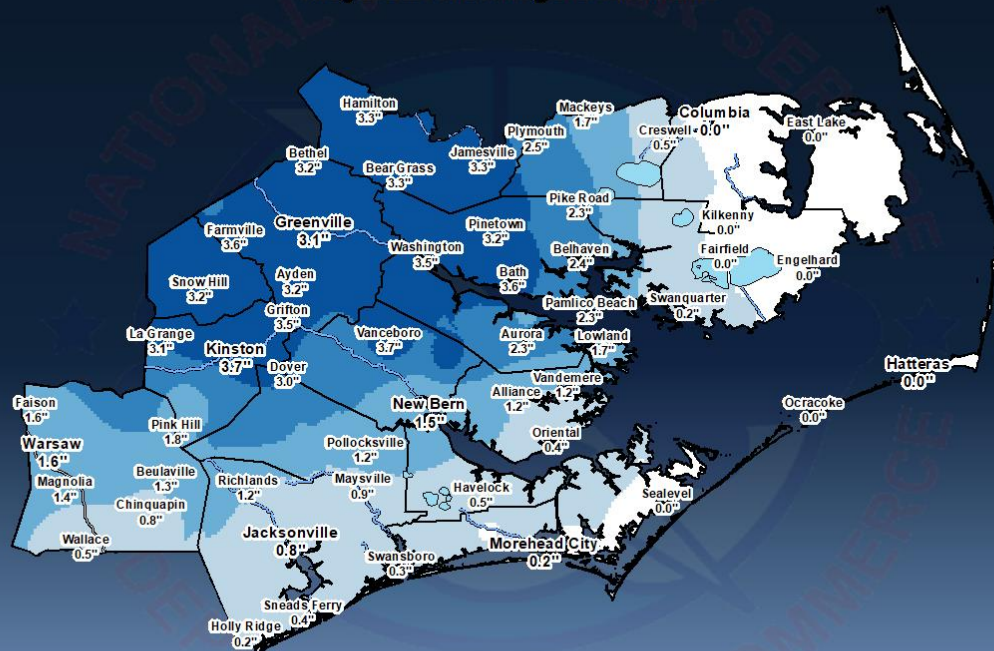
February 2020 Highlights

Late Season Snow: Winter visited Eastern North Carolina in February as colder air surged in behind a developing coastal low, allowing for snow to quickly accumulate late on the 20th into the 21st. 2 to 4 inches were observed to the northwest with less than an inch towards the coast.

Round of Severe Weather: A strong cold front crossed the Carolinas on February 6, spawning a few strong storms and plenty of heavy rain. Our local office recorded 2.31 inches of rain in 24 hours.

National Weather Service Newport/Morehead City North Carolina Preliminary Snowfall Map Feb 20-21, 2020

Analysis Data Source: Regional Observations



Snowfall Analysis 0" - 100"



Created: 02/21/2020 12:15PM

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.

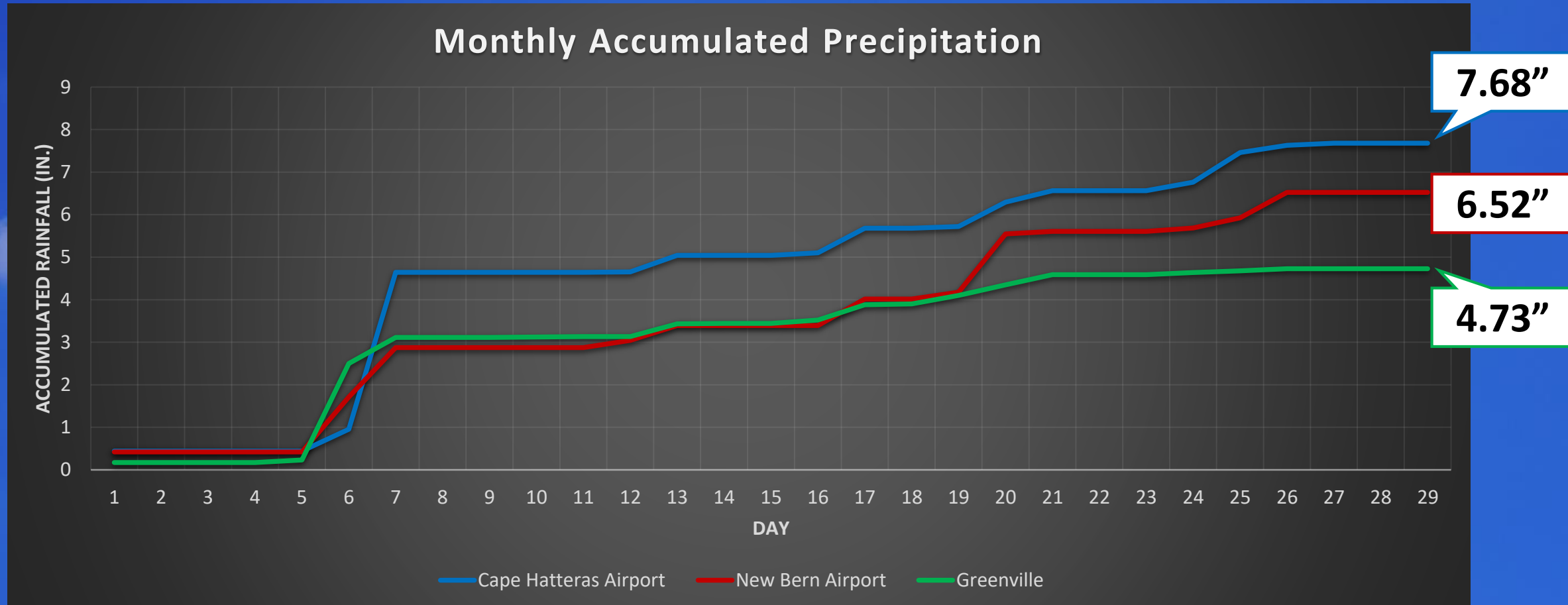
Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	7 th Warmest	7 th Wettest
New Bern	9 th Warmest	7 th Wettest

Preliminary Snowfall Map based on Local Reports: February 20-21, 2020

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

February 2020 Rainfall

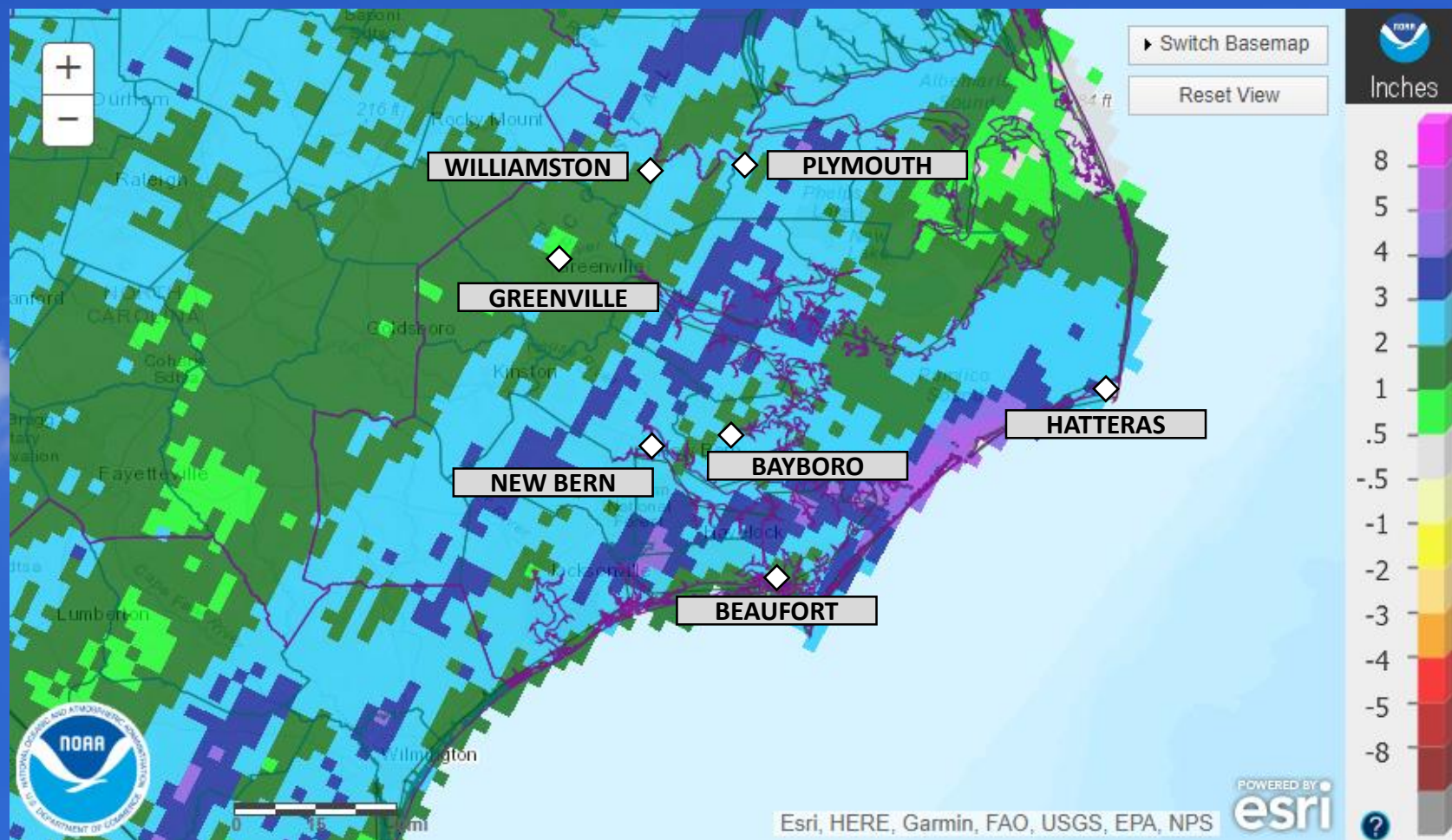


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

February 2020 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	5.00	3.20	▲ 1.80
Hatteras	7.68	4.02	▲ 3.66
New Bern	6.52	3.66	▲ 2.86
Greenville	4.73	3.35	▲ 1.38
Williamston	5.99	3.15	▲ 2.84
Plymouth	6.85	3.30	▲ 3.55
Bayboro	6.76	3.21	▲ 3.55

Red sites have missing data



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

Wettest and Driest February

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	8.66"	1944	9.39"	1983
2 nd Wettest	8.45"	1983	9.06"	1982
3 rd Wettest	8.24"	2016	7.45"	1964
4 th Wettest	8.13"	1998	7.31"	2016
5 th Wettest	8.07"	1899	6.96"	1972

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Driest	1.23"	1950	1.68"	1986
4 th Driest	1.06"	1991	1.66"	1950
3 rd Driest	1.01"	1955	1.54"	2006
2 nd Driest	0.88"	1911	1.35"	2018
Driest	0.73"	1930	1.28"	1977

Average Temperatures: February 2020

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	59.9	55.4	▲ 4.5	44.1	38.7	▲ 5.4
Hatteras	60.3	53.5	▲ 6.8	47.1	40.0	▲ 7.1
New Bern	61.4	57.9	▲ 3.5	40.4	36.1	▲ 4.3
Greenville	60.0	56.3	▲ 3.7	41.3	34.3	▲ 7.0
Kinston	59.9	60.1	▼ 0.2	39.8	36.7	▲ 3.1
Williamston	58.2	54.8	▲ 3.4	40.2	32.9	▲ 7.3
Plymouth	61.0	57.2	▲ 3.8	40.4	35.0	▲ 5.4
Bayboro	61.4	58.0	▲ 3.4	41.6	34.6	▲ 7.0

Red sites have missing data

Warmest and Coolest February By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	57.2°	2019	55.6°	2018
2 nd Warmest	55.6°	2018	54.0°	1990
3 rd Warmest	55.6°	2017	53.6°	2017
4 th Warmest	54.4°	1990	53.1°	1976
5 th Warmest	54.3°	1927	52.5°	1949

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Coolest	38.6°	1968	39.5°	1958
4 th Coolest	38.4°	1905	39.2°	1963
3 rd Coolest	38.4°	2015	38.9°	2015
2 nd Coolest	36.5°	1895	37.5°	1968
Coolest	35.7°	1978	37.3°	1978

Temperature Extremes: February 2020

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	72	3 rd	26	22 nd
Hatteras	72	13 th	28	23 rd
New Bern	83	13 th	22	22 nd
Greenville	79	13 th	22	22 nd
Kinston	81	14 th	21	22 nd
Williamston	76	4 th , 7 th , 14 th	26	22 nd
Plymouth	80	13 th	22	23 rd
Bayboro	82	14 th	28	22 nd

Red sites have missing data

Drought Monitor: North Carolina



March 3, 2020

(Released Thursday, Mar. 5, 2020)

Valid 7 a.m. EST

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 <i>02-25-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
3 Months Ago <i>12-03-2019</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Calendar Year <i>12-31-2019</i>	93.61	6.39	0.00	0.00	0.00	0.00
Start of Water Year <i>10-01-2019</i>	37.68	62.32	41.69	4.40	0.00	0.00
One Year Ago <i>03-05-2019</i>	98.05	1.95	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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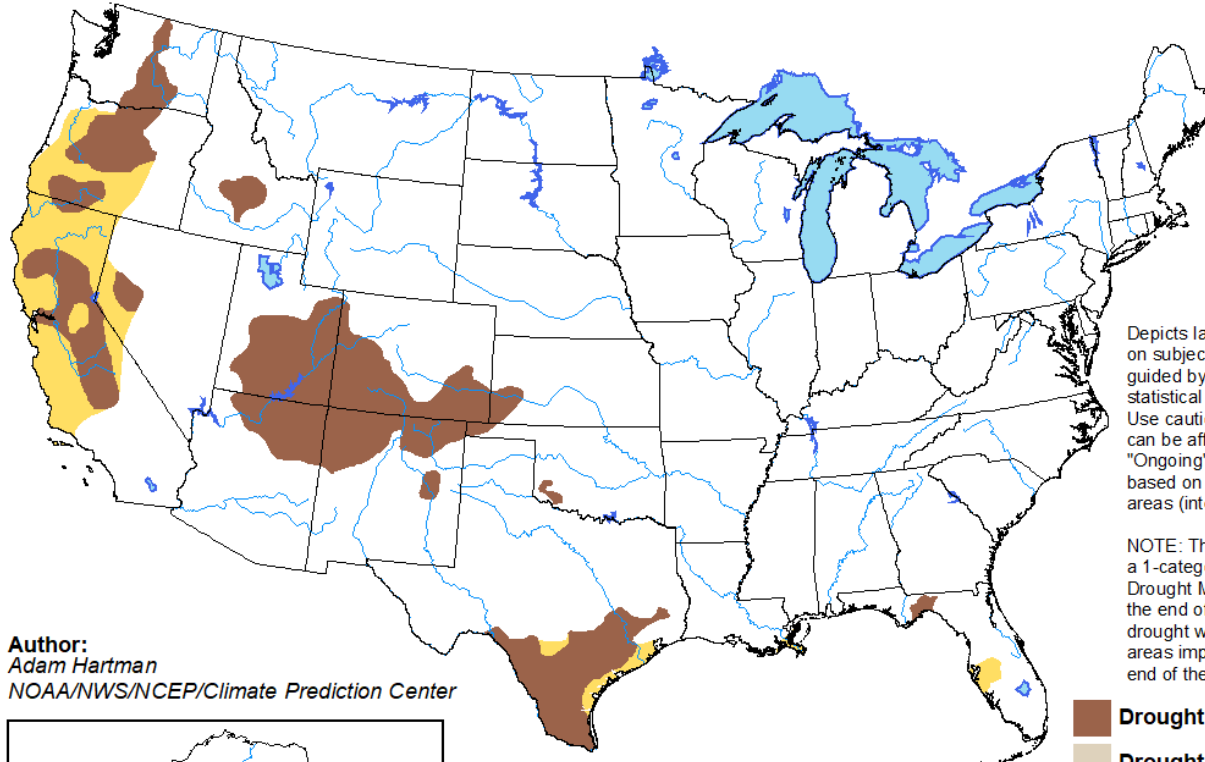


droughtmonitor.unl.edu

Monthly Drought Outlook

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

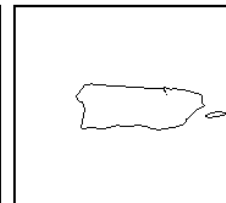
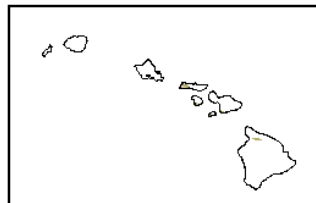
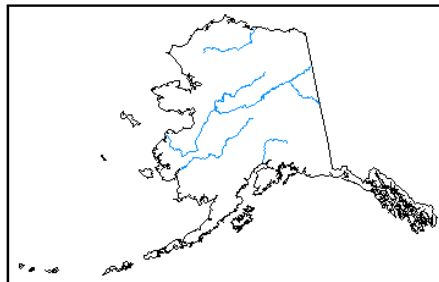
Valid for March 2020
Released February 29, 2020







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>