



# January 2021 Climate Review

**Presented By:**

**National Weather Service**

**Newport/Morehead City, NC**

# January 2021 Highlights



Snow coats a deck and table in Farm Life, NC in the early morning of January 28<sup>th</sup>. Photo credit: Megan Williams Simpson

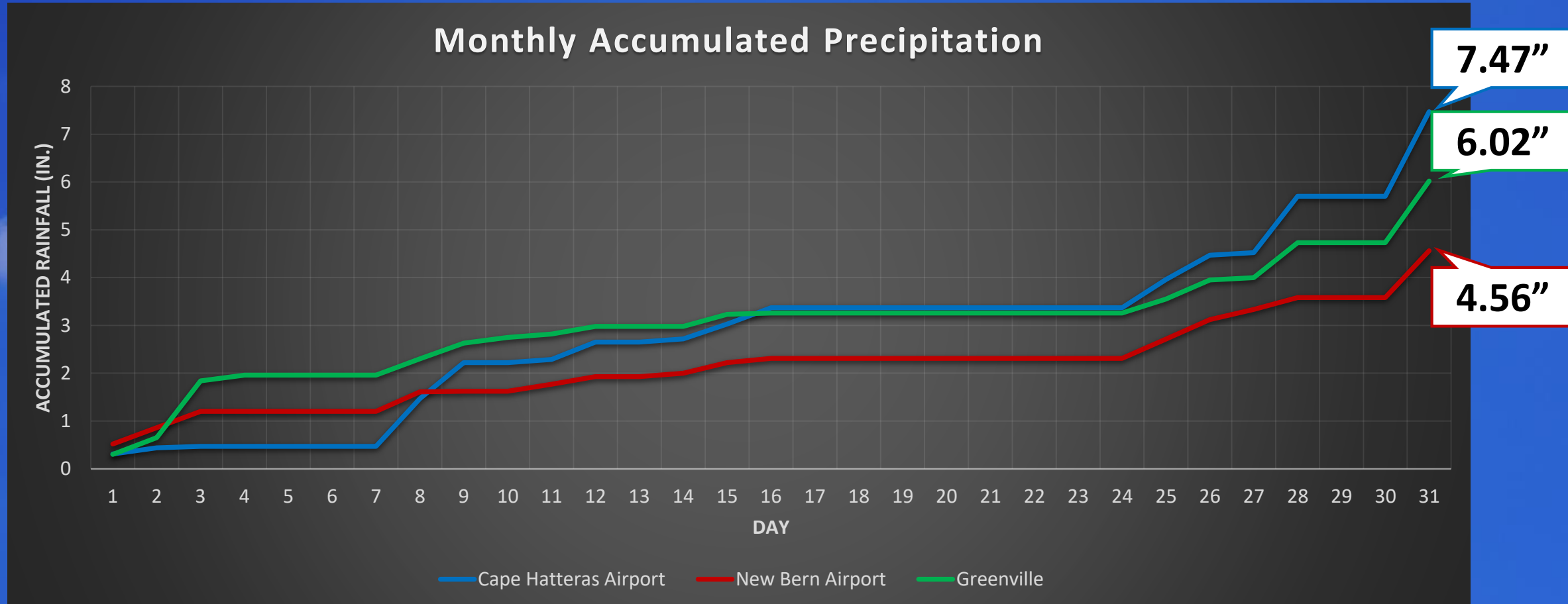
**Say It Ain't Snow:** Snow blanketed portions of eastern North Carolina late last month as low pressure moved off the coast and pulled cooler air into the region. The highest snowfall totals of 4-5" were confined along and north of Highway 264.

**Coldest Nights of Winter:** With the aid of the fresh snowpack, temperatures fell to some of their lowest levels of the season. Areas with the deepest snow saw lows fall into the 10s.

## Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	63 <sup>rd</sup> Warmest	32 <sup>nd</sup> Wettest
New Bern	38 <sup>th</sup> Coolest	40 <sup>th</sup> Wettest

# January 2021 Rainfall

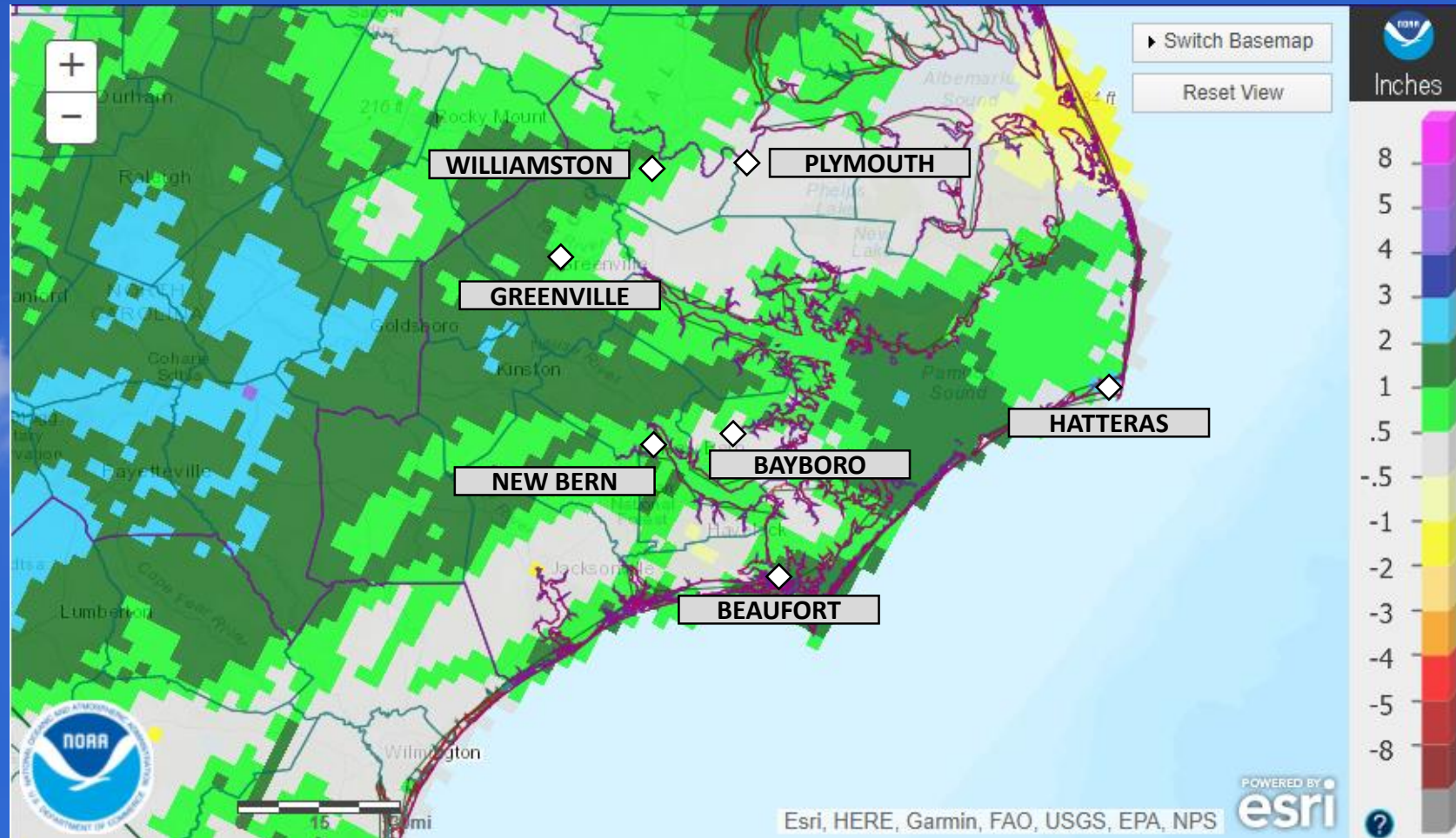


*White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.*

# January 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	5.69	4.08	▲ 1.61
Hatteras	7.47	5.24	▲ 2.23
New Bern	4.56	4.02	▲ 0.54
Greenville	6.02	3.86	▲ 2.16
Williamston	5.95	3.82	▲ 2.13
Plymouth	4.72	3.94	▲ 0.78
Bayboro	5.64	3.85	▲ 1.79

Red sites have missing data



January 2021 Precipitation: Departure from Normal  
 Analysis from the Advanced Hydrologic Prediction Service

# Wettest and Driest Januarys

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	12.45"	1991	8.08"	1966
2 <sup>nd</sup> Wettest	10.56"	1987	7.60"	1991
3 <sup>rd</sup> Wettest	9.72"	1979	7.58"	1975
4 <sup>th</sup> Wettest	9.34"	1998	7.04"	1992
5 <sup>th</sup> Wettest	9.27"	1983	6.94"	1972

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Driest	1.26"	1916	1.77"	1976
4 <sup>th</sup> Driest	1.08"	1911	1.50"	1981
3 <sup>rd</sup> Driest	1.04"	1951	1.28"	1949
2 <sup>nd</sup> Driest	0.80"	1928	1.20"	2004
Driest	0.53"	1920	0.77"	1951

# Average Temperatures: January 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	53.7	53.3	▲ 0.4	36.8	36.0	▲ 0.8
Hatteras	52.8	52.2	▲ 0.6	39.4	38.7	▲ 0.7
New Bern	53.4	54.5	▼ 1.1	34.1	33.9	▲ 0.2
Greenville	51.0	52.1	▼ 1.1	33.7	32.1	▲ 1.6
Kinston	52.3	55.4	▼ 3.1	33.0	34.8	▼ 1.8
Williamston	50.5	51.3	▼ 0.8	33.5	30.3	▲ 3.2
Plymouth	50.4	53.2	▼ 2.8	33.6	33.1	▲ 0.5
Bayboro	54.6	55.3	▼ 0.7	35.4	32.9	▲ 2.5

Red sites have missing data

# Warmest and Coolest Januarys By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	59.5°	1937	56.6°	1950
2 <sup>nd</sup> Warmest	58.2°	1950	56.2°	1974
3 <sup>rd</sup> Warmest	56.3°	1932	53.2°	1949
4 <sup>th</sup> Warmest	56.2°	1913	51.8°	1972
5 <sup>th</sup> Warmest	55.5°	1974	51.4°	1990

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Coolest	37.6°	1970	38.9°	1977
4 <sup>th</sup> Coolest	37.3°	1940	38.6°	2018
3 <sup>rd</sup> Coolest	36.4°	1893	37.9°	1970
2 <sup>nd</sup> Coolest	36.2°	1981	37.8°	1981
Coolest	35.8°	1977	33.8°	1977

# Temperature Extremes: January 2021

	Max High	Date Obs.	Min Low	Date Obs.
<b>Beaufort</b>	68	3 <sup>rd</sup>	26	24 <sup>th</sup> , 30 <sup>th</sup>
<b>Hatteras</b>	68	2 <sup>nd</sup> , 3 <sup>rd</sup>	28	30 <sup>th</sup>
<b>New Bern</b>	70	1 <sup>st</sup> , 2 <sup>nd</sup>	22	30 <sup>th</sup>
<b>Greenville</b>	62	2 <sup>nd</sup> , 15 <sup>th</sup>	22	30 <sup>th</sup>
<b>Kinston</b>	69	1 <sup>st</sup>	21	30 <sup>th</sup>
<b>Williamston</b>	61	1 <sup>st</sup> , 16 <sup>th</sup>	25	30 <sup>th</sup> , 31 <sup>st</sup>
<b>Plymouth</b>	68	2 <sup>nd</sup>	21	30 <sup>th</sup>
<b>Bayboro</b>	72	1 <sup>st</sup>	26	30 <sup>th</sup> , 31 <sup>st</sup>

Red sites have missing data



# Drought Monitor: North Carolina



**January 26, 2021**

*(Released Thursday, Jan. 28, 2021)*

Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	98.06	1.94	0.00	0.00	0.00	0.00
<b>Last Week</b> <i>01-19-2021</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>10-27-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>12-29-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-29-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>One Year Ago</b> <i>01-28-2020</i>	75.65	24.35	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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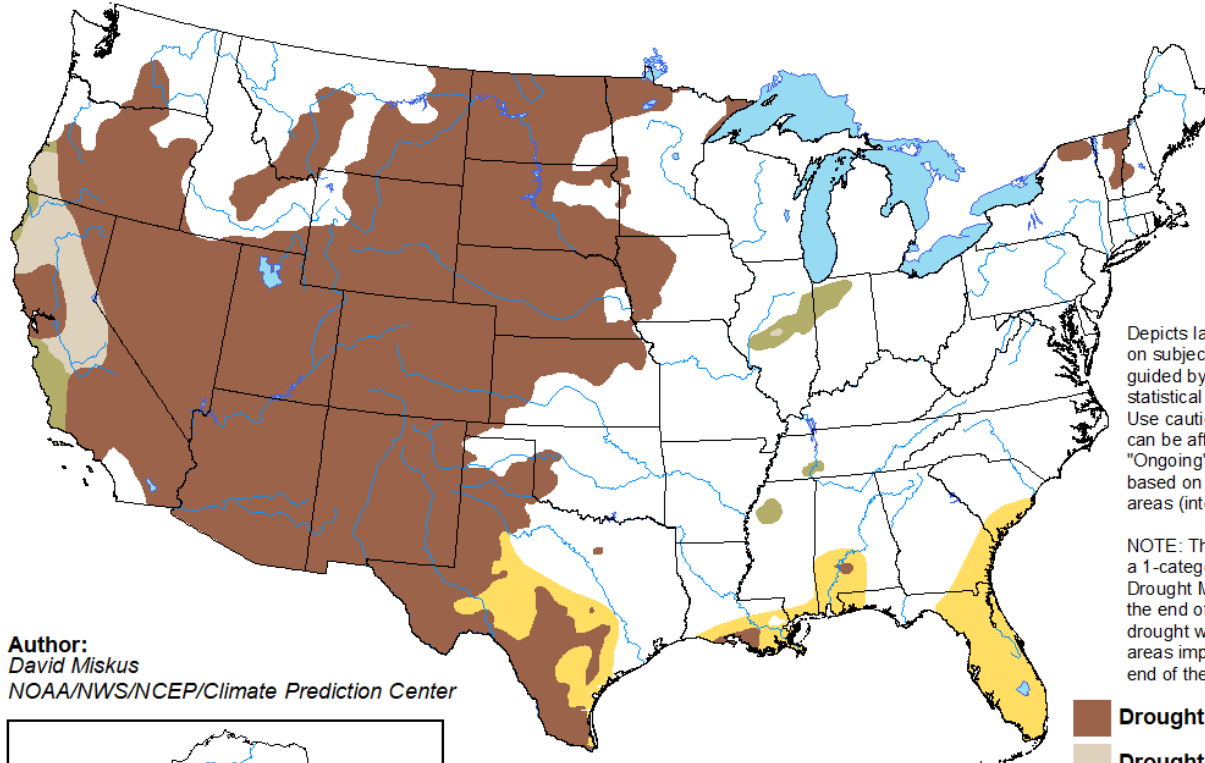


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# Monthly Drought Outlook

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





Valid for February 2021  
Released January 31, 2021



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>