

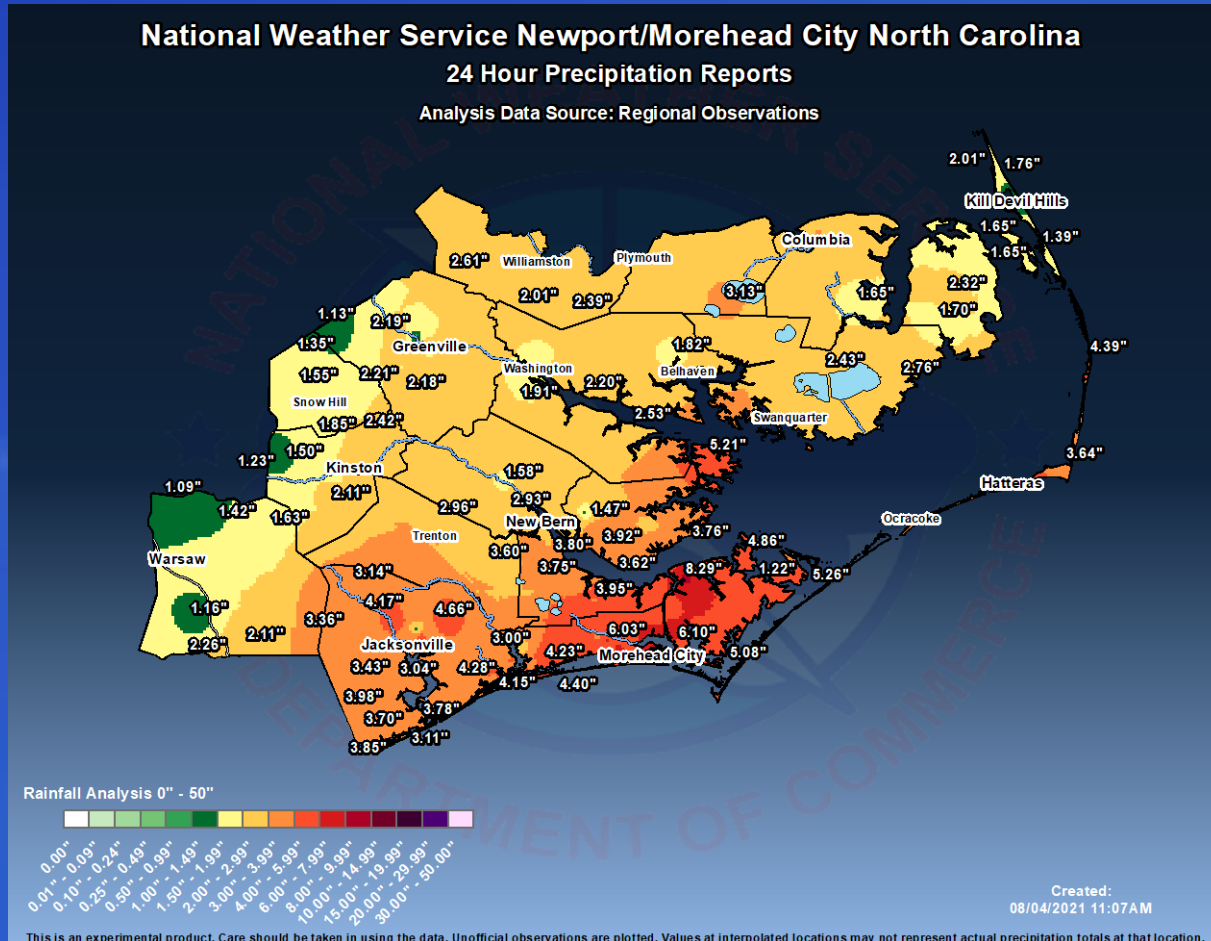
August 2021 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

August 2021 Highlights



August 2021 was a soaker for many parts of eastern North Carolina. Scattered thunderstorms meant a wide range of rainfall totals, from 4 inches to nearly 12 in the most saturated spots.

Temperatures were slightly above average for the month, aided by overnight lows running about 2-3 degrees above normal.

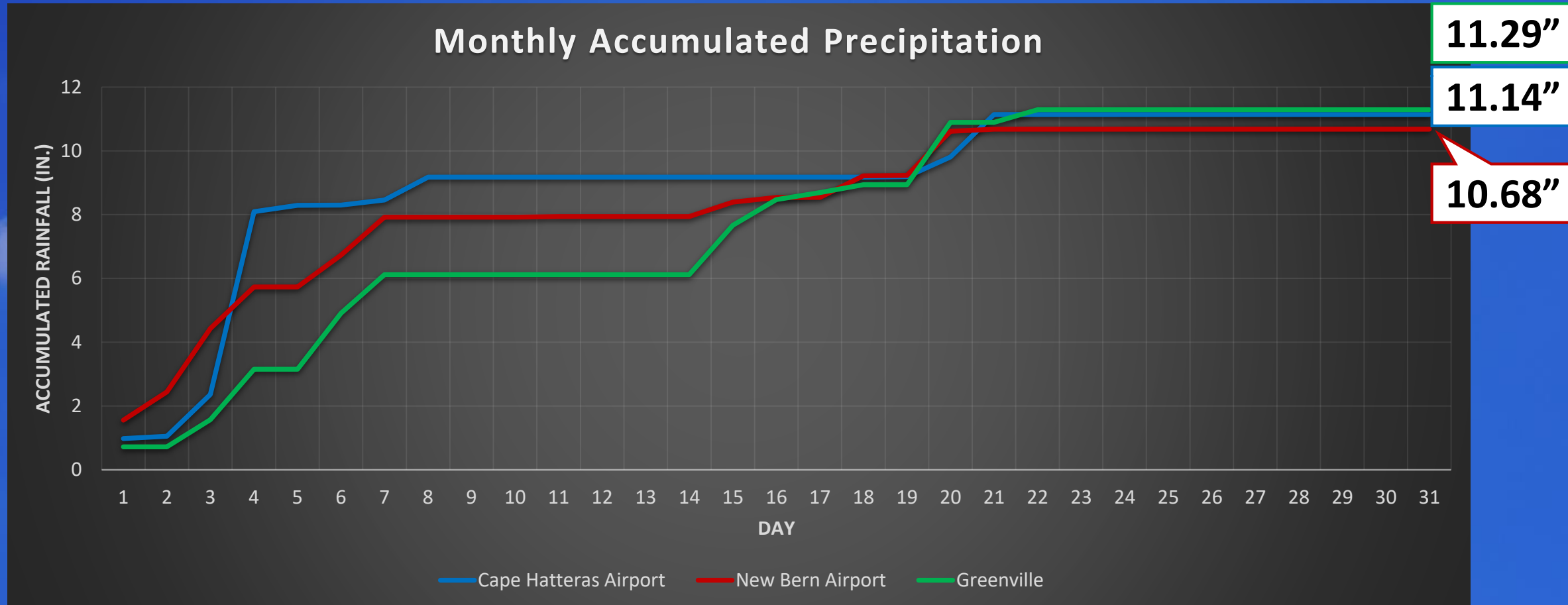
Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	6 th Warmest	12 th Wettest
New Bern	8 th Warmest	12 th Wettest

Reported 24-hour rainfall totals across eastern North Carolina on August 3, 2021.

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

August 2021 Rainfall

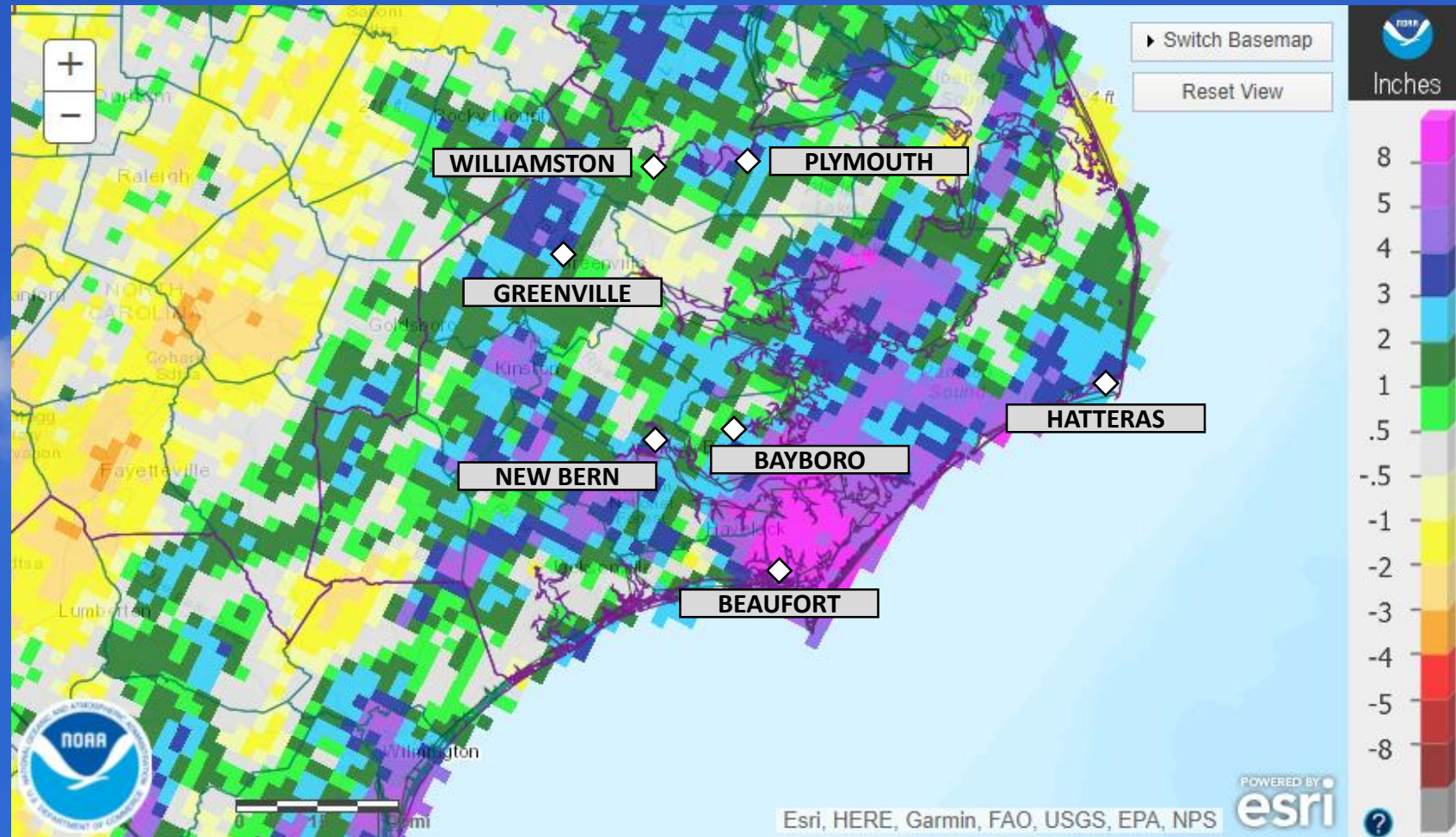


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

August 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	9.78	7.29	▲ 2.49
Hatteras	11.14	6.73	▲ 4.41
New Bern	10.68	6.81	▲ 3.87
Greenville	11.29	6.01	▲ 5.28
Williamston	4.20	5.70	▼ 1.50
Plymouth	11.01	6.60	▲ 4.41
Bayboro	8.07	7.85	▲ 0.22

Red sites have missing data



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

Wettest and Driest Augusts

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	16.10"	1986	24.23"	1955
2 nd Wettest	14.93"	1908	15.04"	2011
3 rd Wettest	14.62"	1953	13.03"	1986
4 th Wettest	14.19"	1899	12.86"	1935
5 th Wettest	13.97"	1999	12.81"	1992

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Driest	1.13"	1928	2.30"	1982
4 th Driest	1.10"	2007	1.72"	1993
3 rd Driest	1.04"	1978	1.70"	1965
2 nd Driest	0.99"	1983	1.37"	2007
Driest	0.85"	1938	1.19"	2005

Average Temperatures: August 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	86.4	85.9	▲ 0.5	76.1	73.1	▲ 3.0
Hatteras	87.2	87.0	▲ 0.2	76.2	74.4	▲ 1.8
New Bern	89.5	87.9	▲ 1.6	72.6	70.0	▲ 2.6
Greenville	89.4	88.4	▲ 1.0	72.6	69.7	▲ 2.9
Kinston	89.1	88.8	▲ 0.3	71.8	69.6	▲ 2.2
Williamston	88.9	86.9	▲ 3.0	71.8	69.9	▲ 1.9
Plymouth	87.7	87.6	▲ 0.1	71.3	69.0	▲ 2.3
Bayboro	88.4	86.9	▲ 1.5	70.4	68.9	▲ 1.5

Red sites have missing data

Warmest and Coolest Augusts By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	82.5°	2020	82.3°	1988
2 nd Warmest	82.3°	2018	81.9°	1987
3 rd Warmest	82.2°	2016	81.7°	2016
4 th Warmest	82.2°	2005	81.5°	2011
5 th Warmest	81.9°	2011	81.4°	1938

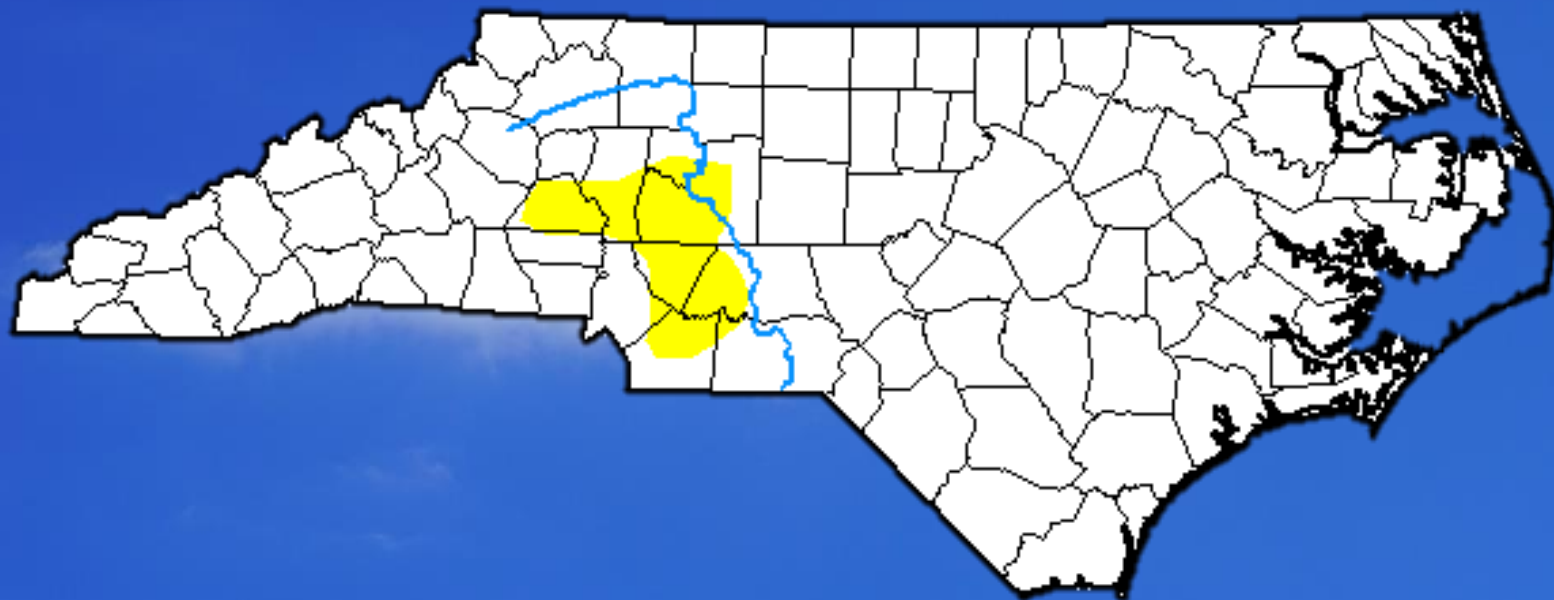
	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Coolest	76.2°	1927	76.6°	1963
4 th Coolest	76.2°	1957	76.6°	2004
3 rd Coolest	76.1°	1964	76.4°	1946
2 nd Coolest	75.9°	1976	76.2°	1966
Coolest	75.8°	1922	76.1°	1967

Temperature Extremes: August 2021

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	92	29 th	70	9 th
Hatteras	93	16-17 th	72	3 rd , 5 th
New Bern	95	12-13 th	69	3 rd , 8 th
Greenville	96	13 th	65	6 th
Kinston	94	14 th , 20 th , 31 st	66	6 th
Williamston	95	31 st	64	6 th
Plymouth	92	12-14 th , 19 th , 24 th , 29-31 st	64	6 th
Bayboro	93	12-14 th , 20 th , 31 st	67	9-10 th , 27-28 th

Red sites have missing data

Drought Monitor: North Carolina



August 31, 2021

(Released Thursday, Sep. 2, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	94.97	5.03	0.00	0.00	0.00	0.00
Last Week <i>08-24-2021</i>	94.97	5.03	0.00	0.00	0.00	0.00
3 Months Ago <i>06-01-2021</i>	17.65	82.35	54.19	7.49	0.00	0.00
Start of Calendar Year <i>12-29-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
Start of Water Year <i>09-29-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago <i>09-01-2020</i>	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>

Author:

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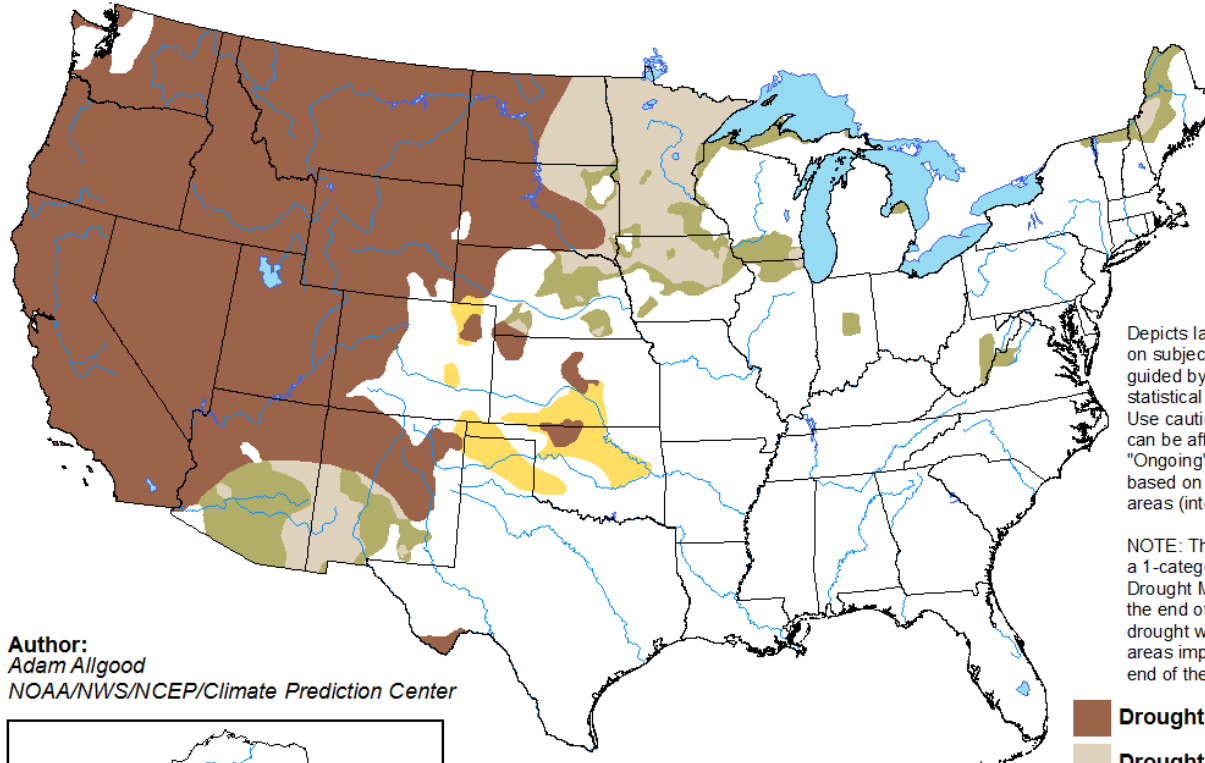


droughtmonitor.unl.edu

Monthly Drought Outlook

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

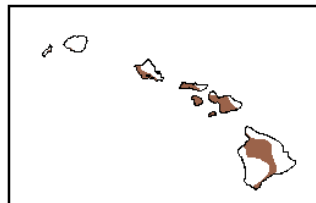
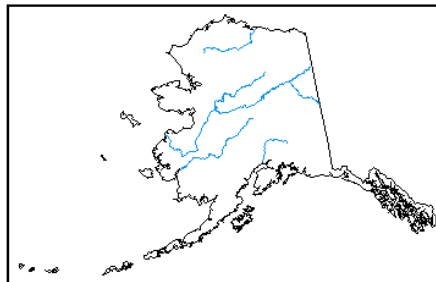
Valid for September 2021
Released August 31, 2021







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>