



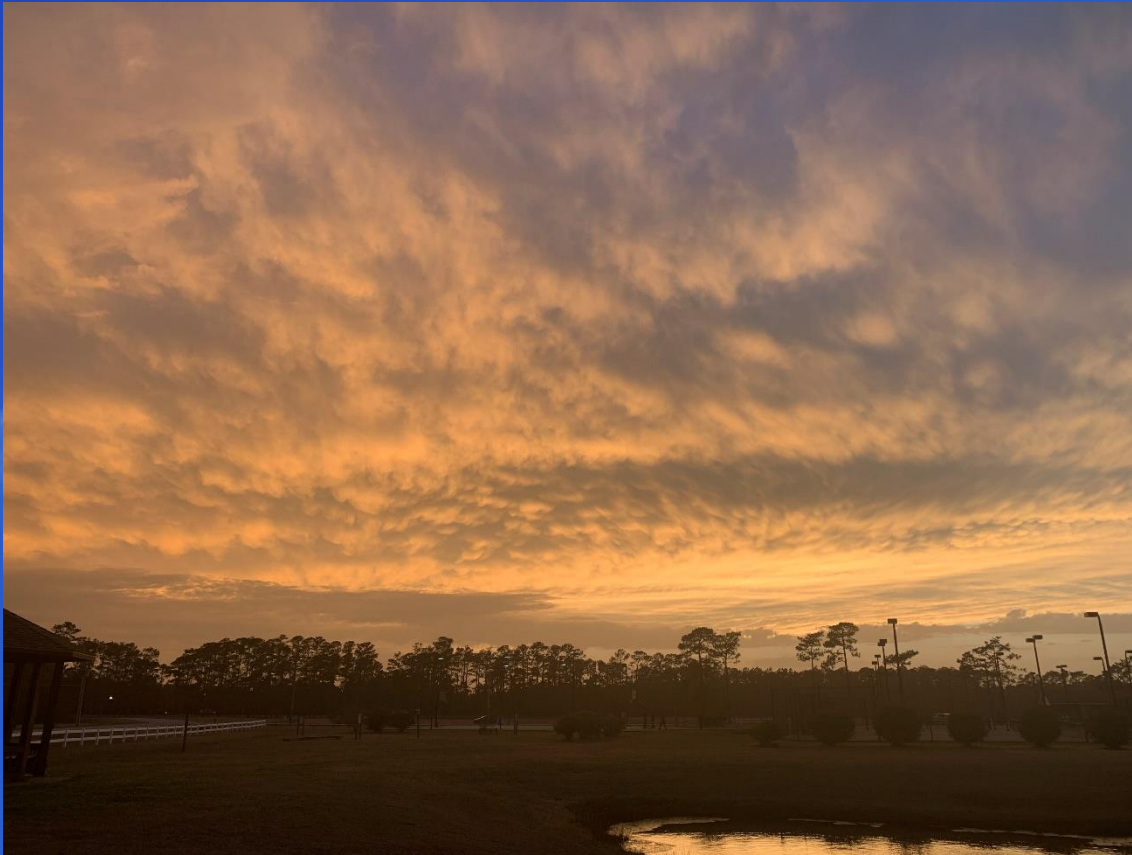
# March 2021 Climate Review

**Presented By:**

**National Weather Service**

**Newport/Morehead City, NC**

# March 2021 Highlights



Sunset over Fort Benjamin in Newport, NC on March 18 2021.

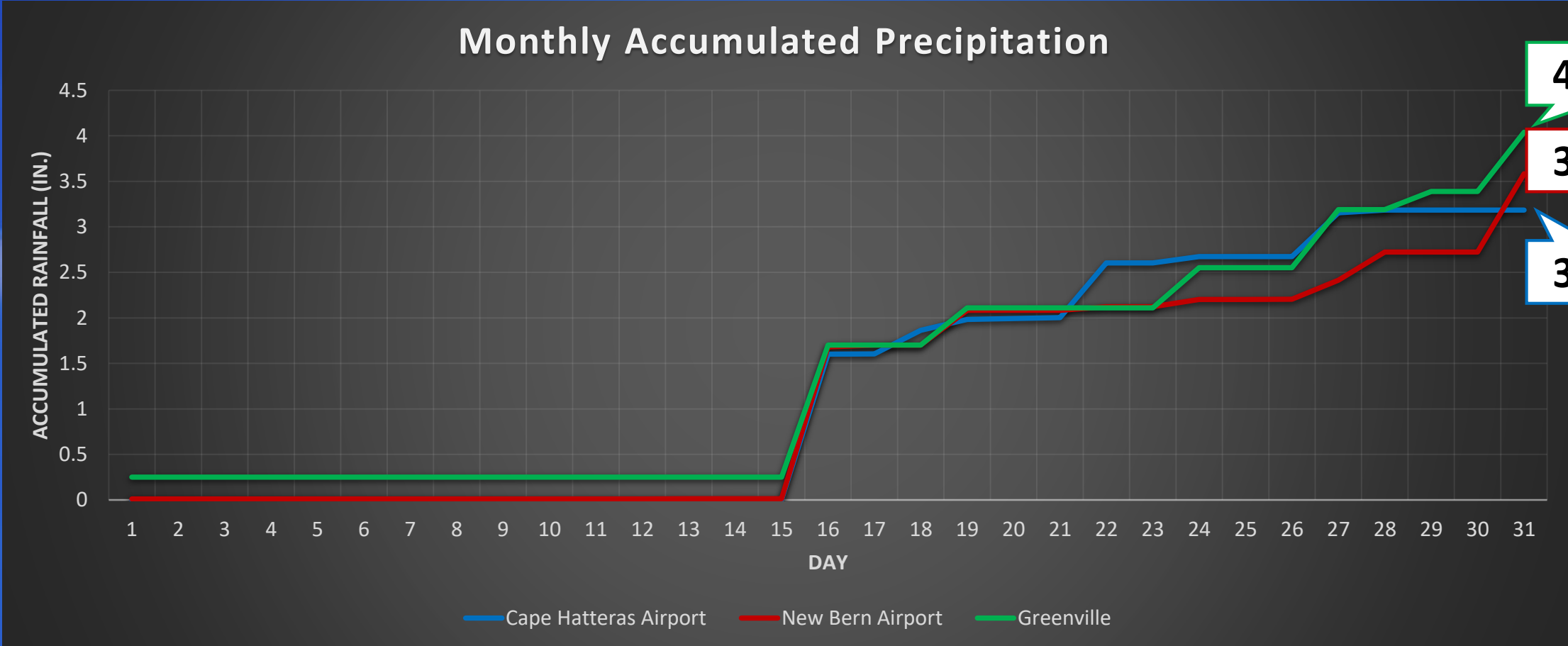
After a soaker of a February, March was much comparatively drier across eastern North Carolina. Many locations saw an average of 2-3 inches of rain, coming in a couple inches below the monthly average of 4-5 inches.

Temperatures across eastern North Carolina were about 2 to 4 degrees above average in March. The last week of the month was particularly warm, with daily average temperatures about 10-15 degrees above the norm.

## Monthly Rankings

	Average Temp	Total Rainfall
<b>Hatteras</b>	26 <sup>th</sup> Warmest	57 <sup>th</sup> Driest
<b>New Bern</b>	18 <sup>th</sup> Warmest	41 <sup>st</sup> Wettest

# March 2021 Rainfall

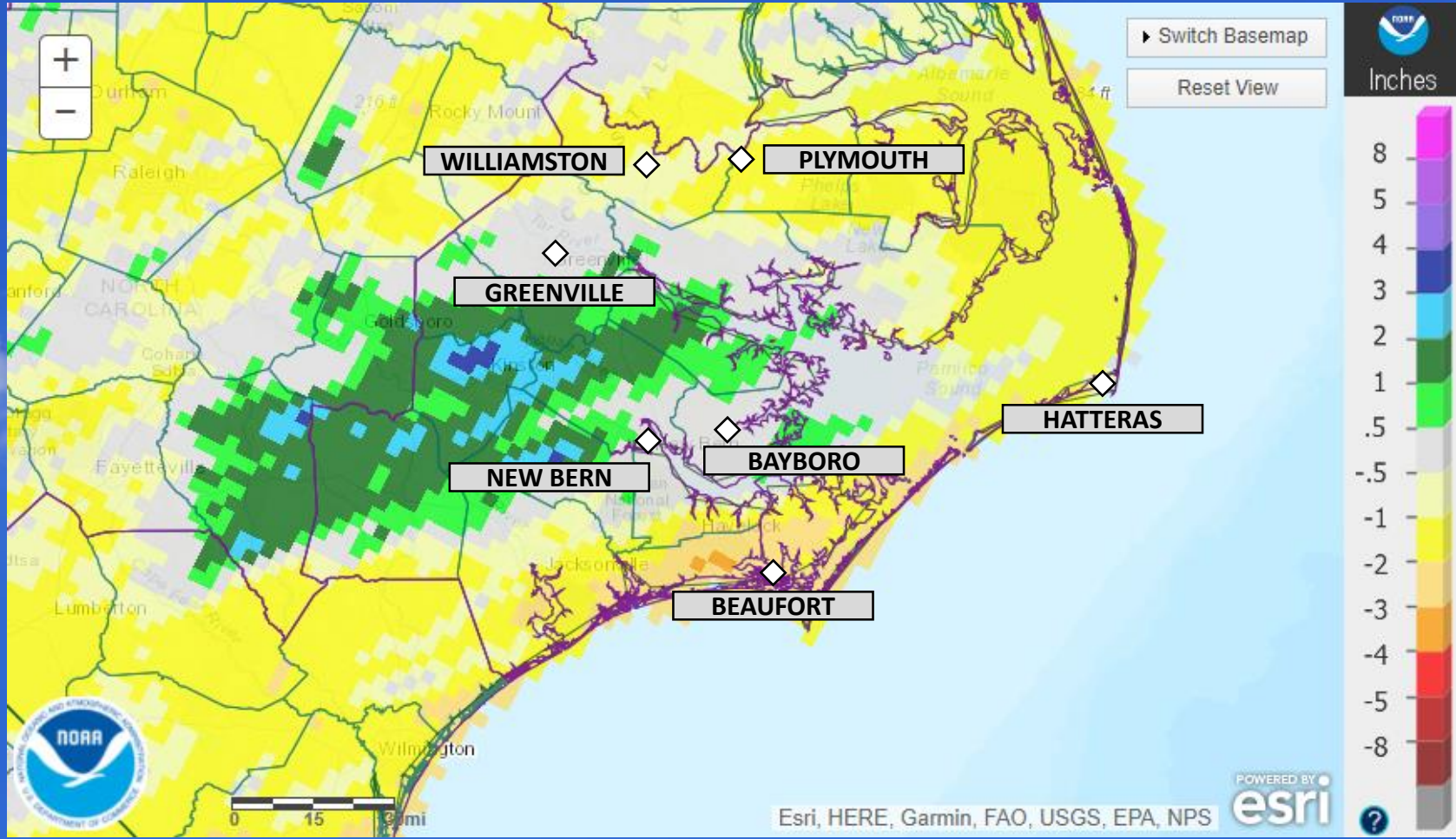


*White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.*

# March 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	1.75	4.20	▼ 2.45
Hatteras	3.18	4.77	▼ 1.59
New Bern	3.58	4.39	▼ 0.81
Greenville	4.04	4.04	0.00
Williamston	1.90	4.12	▼ 2.22
Plymouth	1.56	4.37	▼ 2.81
Bayboro	2.44	4.00	▼ 1.56

Red sites have missing data



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

# Wettest and Driest Marches

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	11.20"	1989	9.17"	1983
2 <sup>nd</sup> Wettest	9.56"	1987	8.12"	2002
3 <sup>rd</sup> Wettest	9.29"	1983	7.30"	1980
4 <sup>th</sup> Wettest	8.94"	1980	6.83"	1993
5 <sup>th</sup> Wettest	8.05"	2003	6.70"	1936

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Driest	1.34"	1918	1.90"	1964
4 <sup>th</sup> Driest	1.22"	1945, 1986	1.27"	1963
3 <sup>rd</sup> Driest	1.18"	1921	1.21"	1945
2 <sup>nd</sup> Driest	1.11"	1915, 1964	1.17"	2013
Driest	0.98"	1967	0.60"	1967

# Average Temperatures: March 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	64.4	61.9	▲ 2.5	47.6	44.4	▲ 3.2
Hatteras	63.0	58.6	▲ 4.4	47.2	44.6	▲ 2.6
New Bern	67.5	64.9	▲ 2.6	45.3	42.0	▲ 3.3
Greenville	67.2	64.1	▲ 3.1	45.7	40.8	▲ 4.9
Kinston	66.1	67.3	▼ 1.2	43.8	42.2	▲ 1.6
Williamston	65.2	62.4	▲ 2.8	44.5	39.6	▲ 4.9
Plymouth	67.8	64.5	▲ 3.3	43.5	40.6	▲ 2.9
Bayboro	66.5	64.9	▲ 1.6	44.5	40.7	▲ 3.8

Red sites have missing data

# Warmest and Coolest Marches By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	60.9°	2012	63.7°	1945
2 <sup>nd</sup> Warmest	60.5°	1921	61.1°	2012
3 <sup>rd</sup> Warmest	59.4°	2020	60.6°	1946
4 <sup>th</sup> Warmest	59.2°	2016	60.5°	1935
5 <sup>th</sup> Warmest	58.0°	1903, 1913	59.3°	2016

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 <sup>th</sup> Coolest	45.9°	1941	48.3°	1965
4 <sup>th</sup> Coolest	45.4°	1981	48.2°	1969
3 <sup>rd</sup> Coolest	45.3°	1958, 1969	48.1°	1958, 2018
2 <sup>nd</sup> Coolest	45.2°	1915	45.4°	1947
Coolest	42.4°	1960	42.8°	1960

# Temperature Extremes: March 2021

	Max High	Date Obs.	Min Low	Date Obs.
<b>Beaufort</b>	77	25 <sup>th</sup>	29	8 <sup>th</sup>
<b>Hatteras</b>	76	27 <sup>th</sup>	31	5 <sup>th</sup> , 7 <sup>th</sup>
<b>New Bern</b>	84	28 <sup>th</sup>	27	8 <sup>th</sup>
<b>Greenville</b>	85	28 <sup>th</sup>	28	8 <sup>th</sup>
<b>Kinston</b>	84	29 <sup>th</sup>	26	8 <sup>th</sup>
<b>Williamston</b>	85	29 <sup>th</sup>	28	8 <sup>th</sup>
<b>Plymouth</b>	83	28 <sup>th</sup>	25	8 <sup>th</sup>
<b>Bayboro</b>	79	13 <sup>th</sup> , 27 <sup>th</sup> , 29 <sup>th</sup>	29	8-9 <sup>th</sup>

Red sites have missing data



# Drought Monitor: North Carolina



**March 30, 2021**

*(Released Thursday, Apr. 1, 2021)*

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>03-23-2021</i>	100.00	0.00	0.00	0.00	0.00	0.00
<b>3 Months Ago</b> <i>12-29-2020</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>03-31-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00

Intensity:



*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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CPC/NOAA

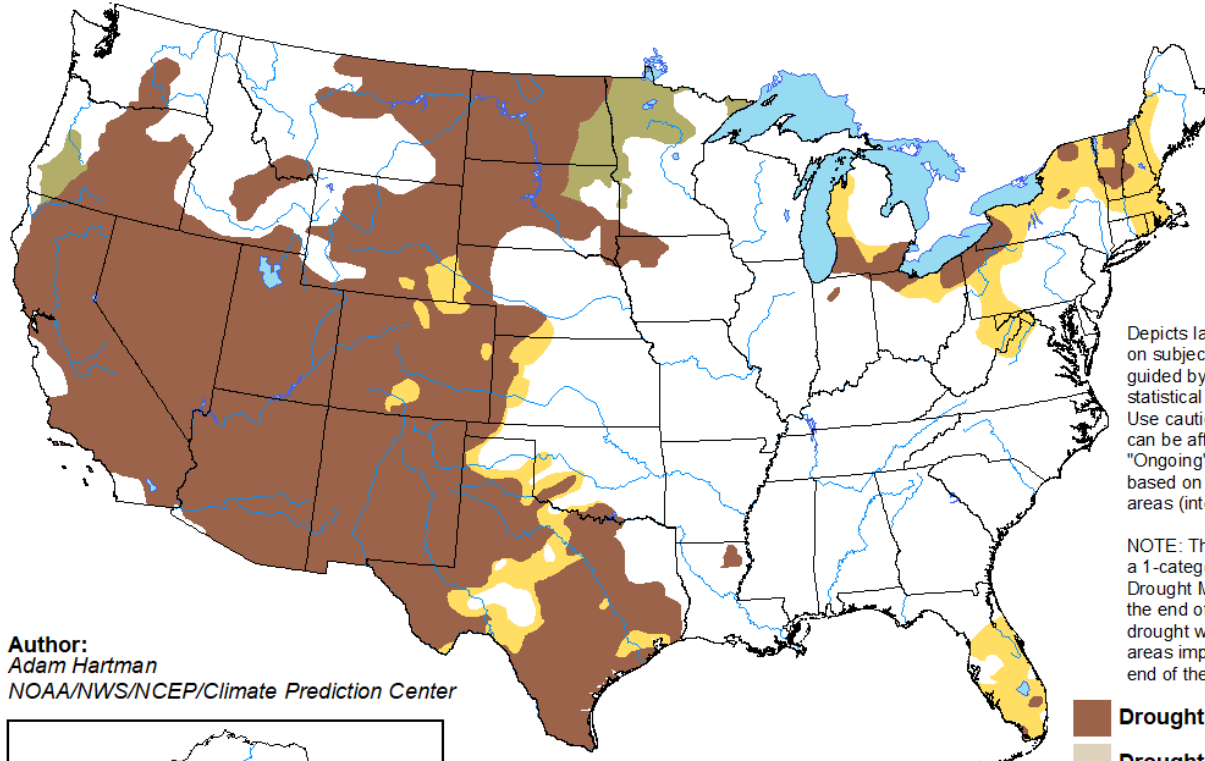


[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

# Monthly Drought Outlook

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

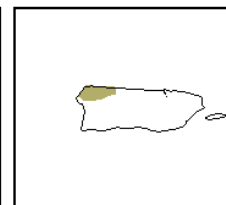
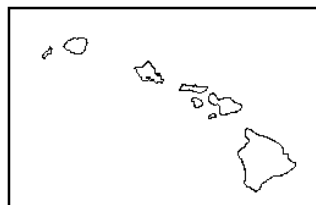
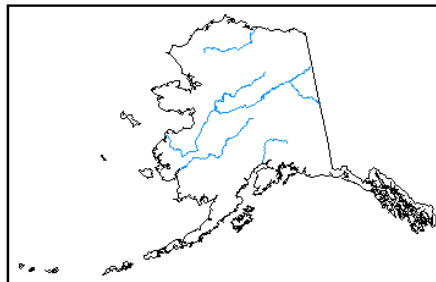
Valid for April 2021  
Released March 31, 2021







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>