



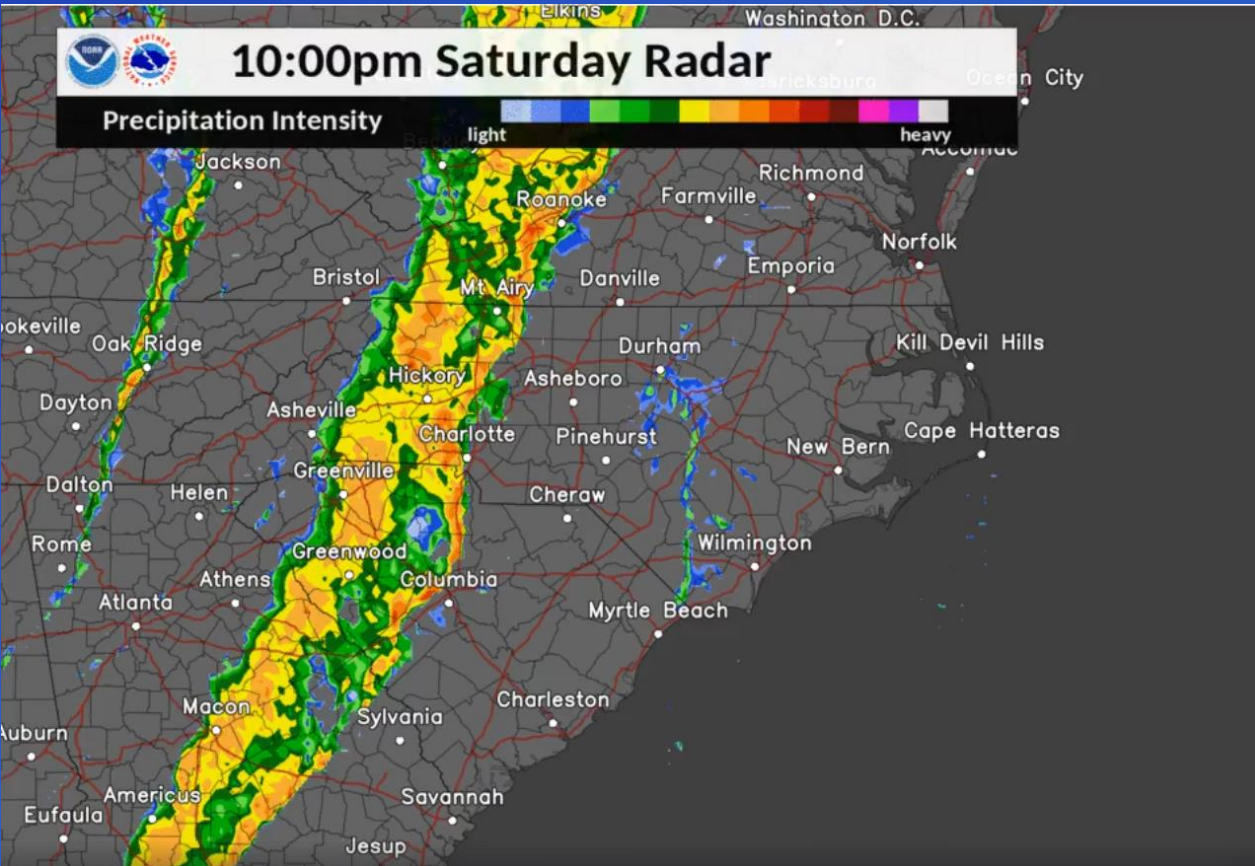
January 2020 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

January 2020 Highlights



Radar imagery at 10:00 PM EST on January 11, 2020. The line of storms downed multiple trees near La Grange, NC.

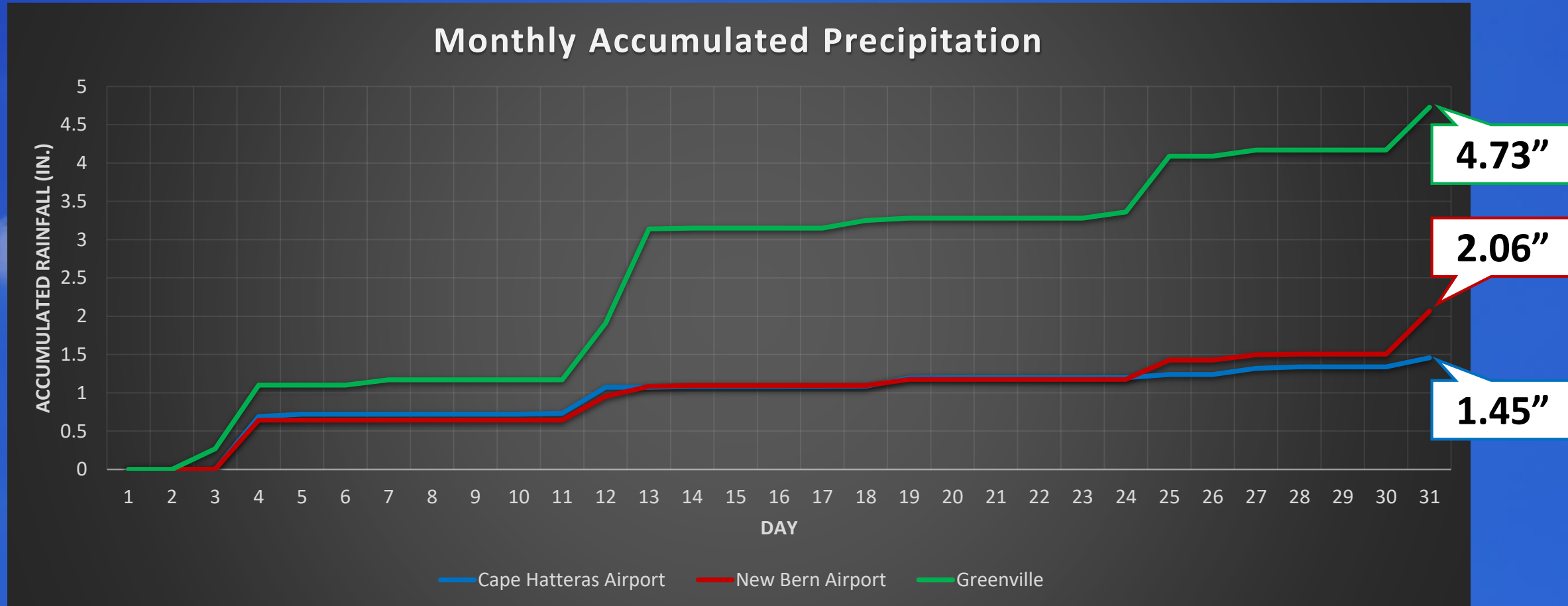
First Severe Storms of 2020: The first severe episode of the decade impacted eastern NC overnight on January 12th as a squall line made its way across the state. The storms were responsible for the downing of multiple trees in Lenoir County.

Outer Banks Flurries: Multiple reports of flurries were received on January 20th across the Outer Banks as some of the coldest air of the season intruded on NC.

Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	8 th Warmest	8 th Driest
New Bern	9 th Warmest	12 th Driest

January 2020 Rainfall

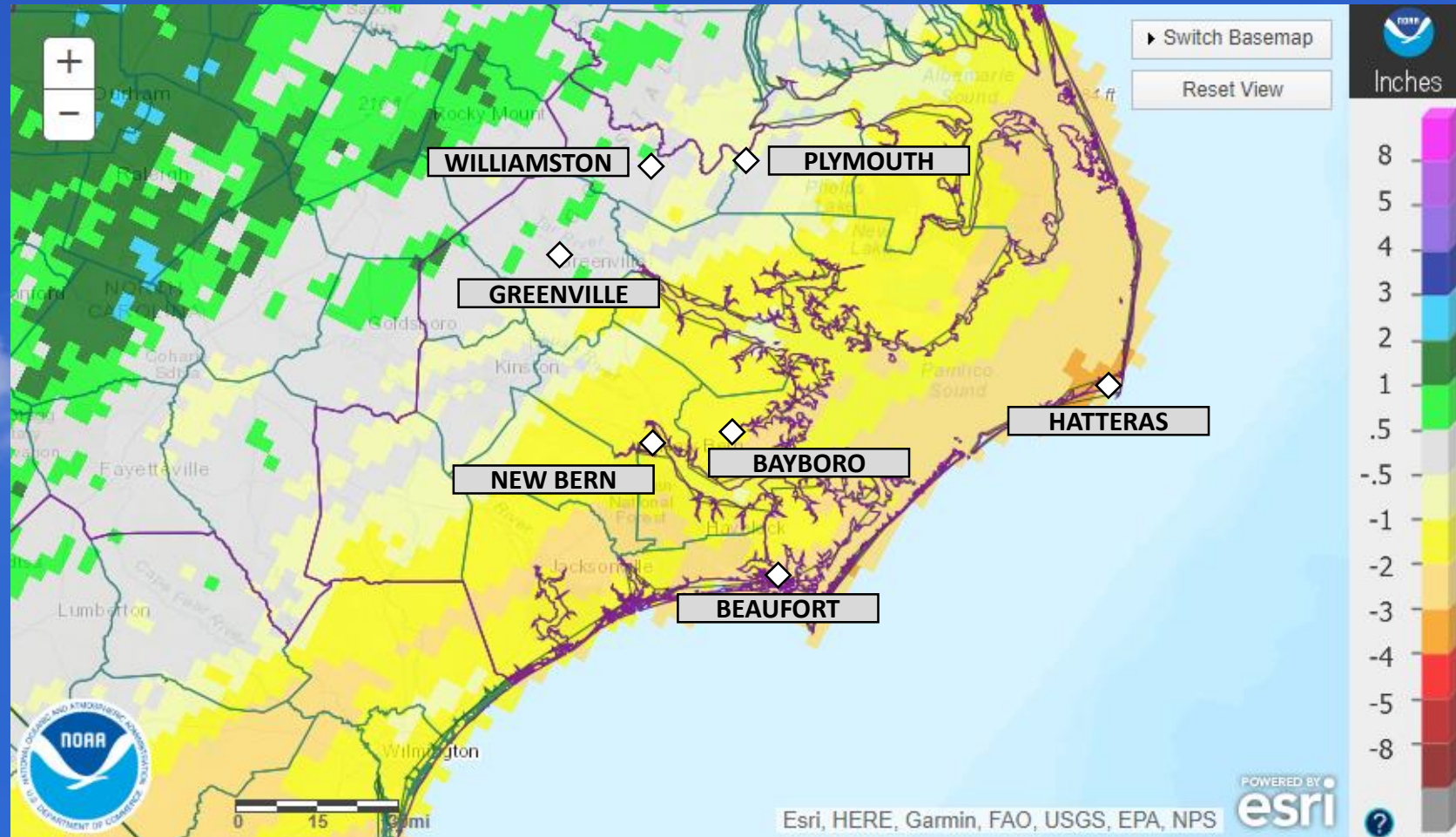


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

January 2020 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	1.65	4.08	▼ 2.43
Hatteras	1.45	5.24	▼ 3.79
New Bern	2.06	4.02	▼ 1.96
Greenville	4.73	3.86	▲ 0.87
Williamston	3.34	3.82	▼ 0.48
Plymouth	3.38	3.94	▼ 0.56
Bayboro	1.85	3.85	▼ 2.00

Red sites have missing data



January 2020 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 nd Wettest	10.56"	1987	7.60"	1991
3 rd Wettest	9.72"	1979	7.58"	1975
4 th Wettest	9.34"	1998	7.04"	1992
5 th Wettest	9.27"	1983	6.94"	1972

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

Average Temperatures: January 2020

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	60.5	53.3	▲ 7.2	43.4	36.0	▲ 7.4
Hatteras	60.1	52.2	▲ 7.9	46.5	38.7	▲ 7.8
New Bern	61.1	54.5	▲ 6.6	39.2	33.9	▲ 5.3
Greenville	59.2	52.1	▲ 7.1	38.7	32.1	▲ 6.6
Kinston	59.7	55.4	▲ 4.3	38.5	34.8	▲ 3.7
Williamston	57.9	51.3	▲ 6.6	38.6	30.3	▲ 8.3
Plymouth	61.1	53.2	▲ 7.9	39.6	33.1	▲ 6.5
Bayboro	61.3	55.3	▲ 6.0	40.8	32.9	▲ 7.9

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 nd Warmest	58.2°	1950	56.2°	1974
3 rd Warmest	56.3°	1932	53.2°	1949
4 th Warmest	56.2°	1913	51.8°	1972
5 th Warmest	55.5°	1974	51.4°	1990

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

Temperature Extremes: January 2020

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	72	11 th	29	20 th
Hatteras	73	3 rd , 4 th	33	29 th
New Bern	82	3 rd	28	21 st
Greenville	74	3 rd , 11 th	25	21 st
Kinston	79	4 th	25	21 st , 22 nd
Williamston	73	4 th , 12 th	25	21 st
Plymouth	74	3 rd	28	20 th , 21 st , 29 th
Bayboro	79	4 th	31	21 st

Red sites have missing data

Drought Monitor: North Carolina



January 28, 2020

(Released Thursday, Jan. 30, 2020)

Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	75.65	24.35	0.00	0.00	0.00	0.00
Last Week <i>01-21-2020</i>	81.69	18.31	0.00	0.00	0.00	0.00
3 Months Ago <i>10-29-2019</i>	37.99	62.01	11.80	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>01-29-2019</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:

Richard Heim
NCEI/NOAA

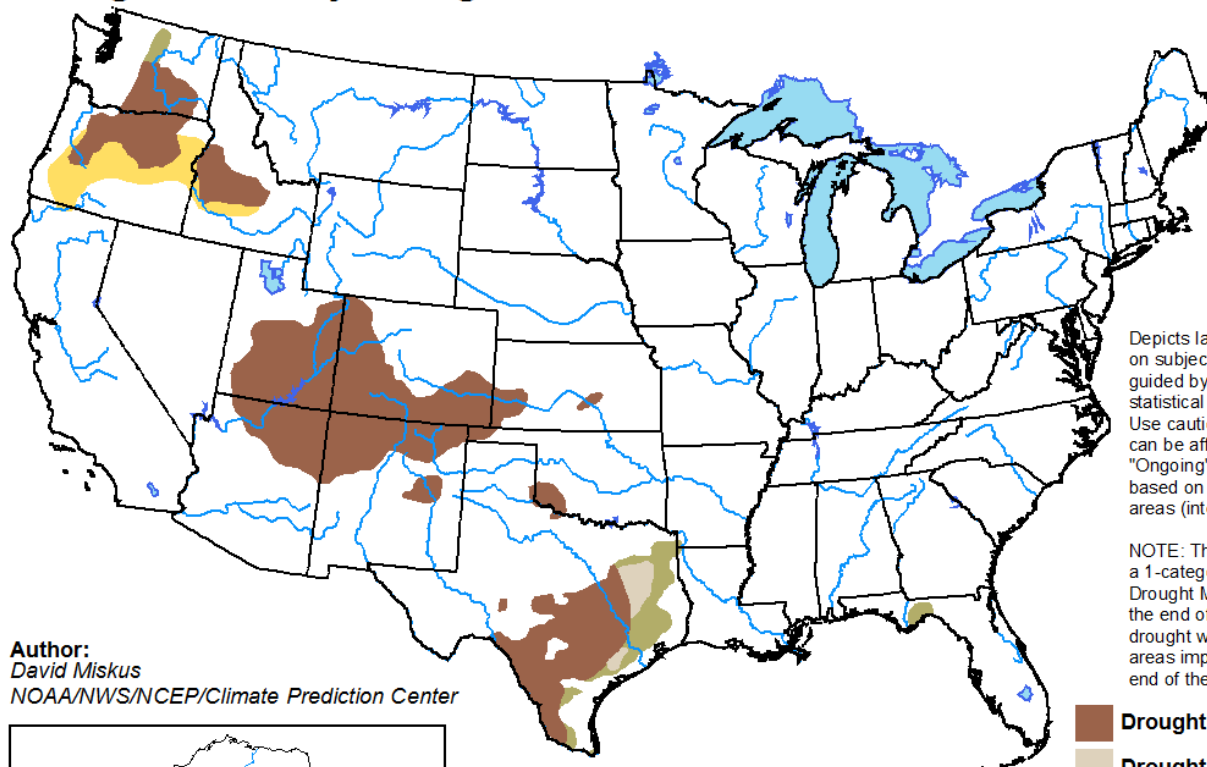


droughtmonitor.unl.edu

Monthly Drought Outlook

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

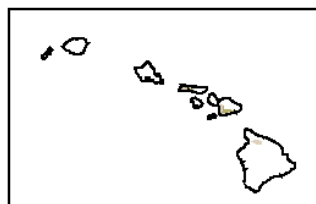
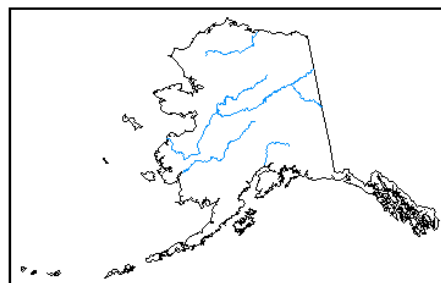
Valid for February 2020
Released January 31, 2020







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).

Author:
David Miskus
NOAA/NWS/NCEP/Climate Prediction Center



-  Drought persists
-  Drought remains but improves
-  Drought removal likely
-  Drought development likely



<http://go.usa.gov/3eZGd>