



October 2021 Climate Review

Presented By:

National Weather Service

Newport/Morehead City, NC

October 2021 Highlights



Tranquil weather prevails over Kill Devil Hills during the Outer Banks Seafood Festival on October 15.

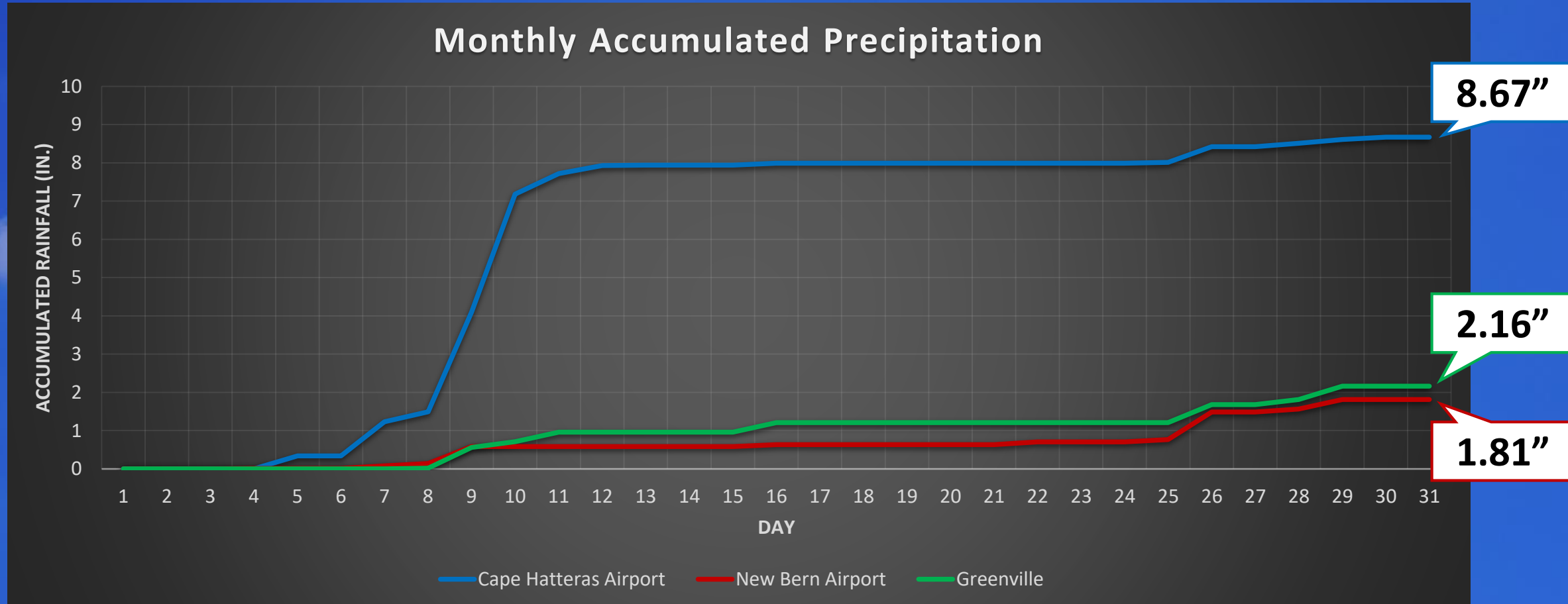
October 2021 continued the trend of well-below normal precipitation for much of eastern North Carolina, with notable exceptions along the Outer Banks which contended with multiple coastal systems. Deviations of 1-3 inches below average were normal inland, with 1-3 inches above average over the coast.

Temperatures were above average across the board by about 2-4 degrees, despite a few spots seeing their first 30s of the cool season.

Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	8 th Warmest	18 th Wettest
New Bern	12 th Warmest	29 th Driest

October 2021 Rainfall

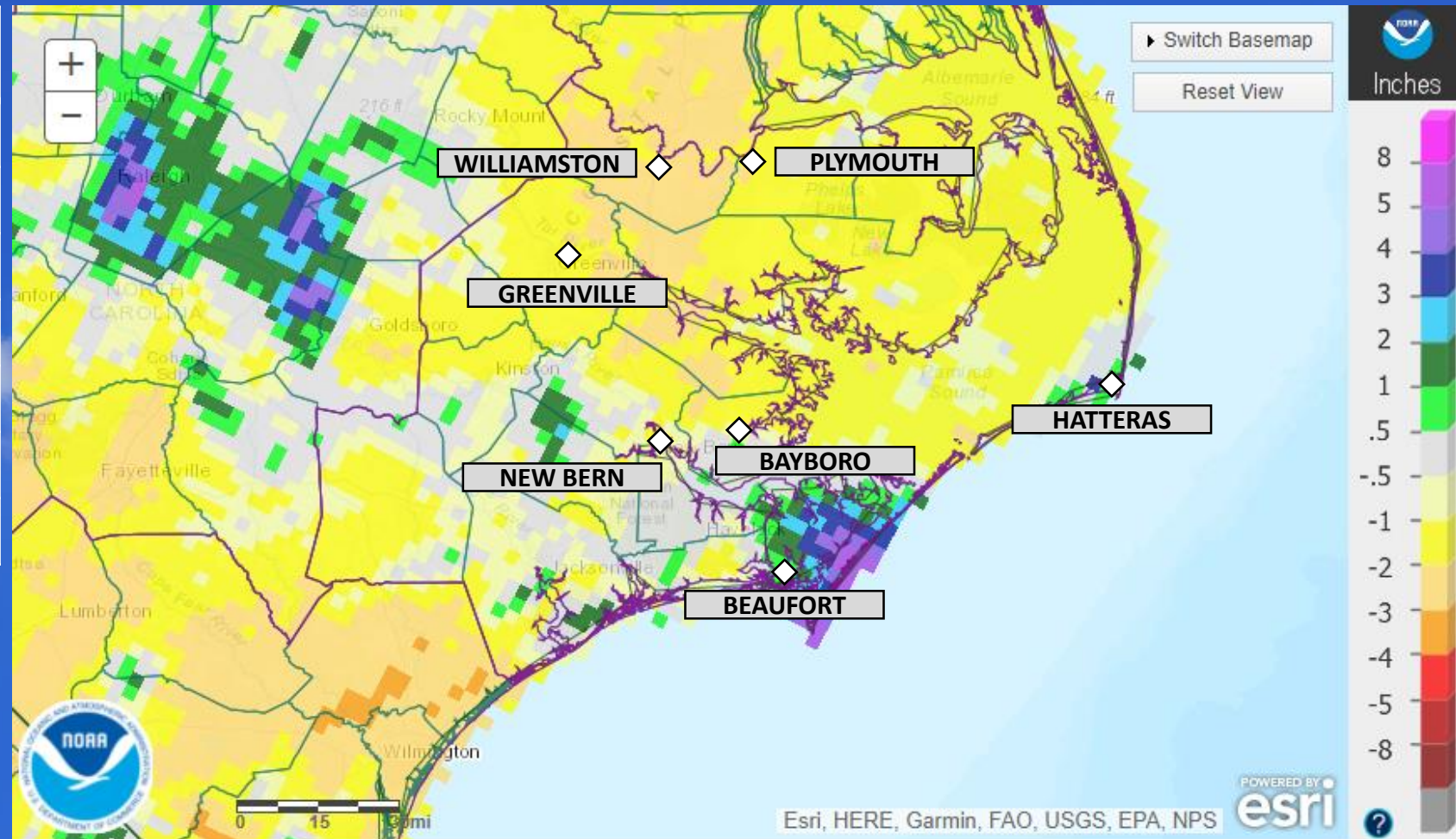


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

October 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	3.82	4.14	▼ 0.32
Hatteras	8.67	5.59	▲ 3.08
New Bern	1.81	3.56	▼ 1.75
Greenville	2.16	3.57	▼ 1.41
Williamston	1.22	4.29	▼ 3.07
Plymouth	1.83	4.14	▼ 2.31
Bayboro	3.09	4.19	▼ 1.10

Red sites have missing data



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

Wettest and Driest Octobers

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	19.18"	1942	13.64"	1956
2 nd Wettest	15.05"	1985	13.41"	2005
3 rd Wettest	13.11"	2005	9.93"	1936
4 th Wettest	12.45"	1898	9.81"	1971
5 th Wettest	11.54"	1993	8.38"	1942

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Driest	0.53"	1984	0.51"	1984
4 th Driest	0.41"	1909	0.44"	1953
3 rd Driest	0.40"	1907	0.20"	1998
2 nd Driest	0.32"	1920	0.19"	1934
Driest	0.31"	1935	0.13"	2000

Average Temperatures: October 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	76.1	74.5	▲ 1.6	61.7	57.4	▲ 4.3
Hatteras	76.0	75.0	▲ 1.0	64.6	61.3	▲ 3.3
New Bern	77.6	74.9	▲ 2.7	57.4	53.5	▲ 3.9
Greenville	78.1	74.1	▲ 4.0	57.5	51.9	▲ 5.6
Kinston	78.5	76.0	▲ 2.5	55.3	53.1	▲ 2.2
Williamston	78.1	73.0	▲ 5.1	55.1	52.1	▲ 3.0
Plymouth	77.9	74.5	▲ 3.4	57.4	52.6	▲ 4.8
Bayboro	77.1	74.2	▲ 2.9	54.5	52.0	▲ 2.5

Red sites have missing data

Warmest and Coolest Octobers By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	72.9°	2007	69.9°	1985
2 nd Warmest	72.9°	1919	69.7°	2007
3 rd Warmest	71.4°	1985	69.7°	1971
4 th Warmest	70.8°	1971	69.6°	1984
5 th Warmest	70.5°	2019	69.6°	1941

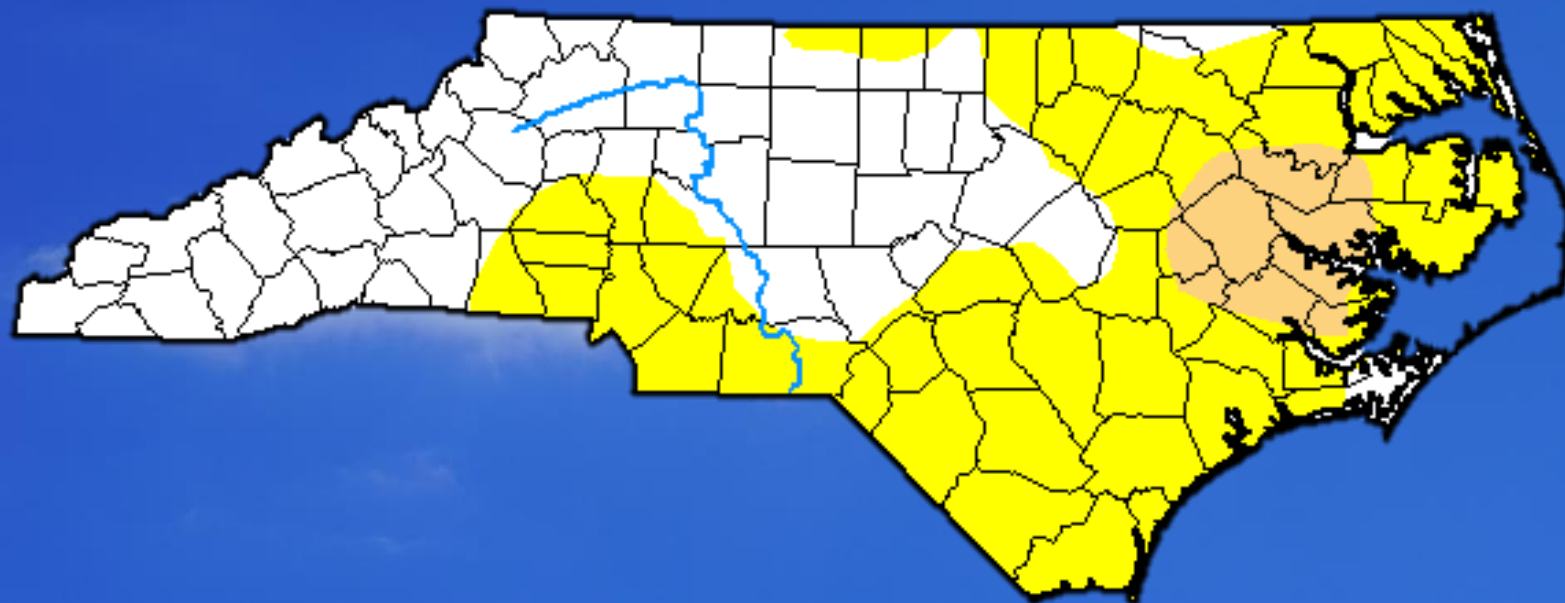
	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Coolest	62.0°	1907	59.7°	1988
4 th Coolest	61.9°	1895	59.6°	1964
3 rd Coolest	61.6°	1987	59.4°	1952
2 nd Coolest	61.5°	1974	59.3°	1976
Coolest	61.5°	1988	58.7°	1948

Temperature Extremes: October 2021

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	84	5 th	49	27 th
Hatteras	85	4-5 th	54	27 th
New Bern	86	5 th , 16 th	43	18 th
Greenville	89	5 th	43	19 th
Kinston	88	6 th	42	27 th
Williamston	88	6 th	42	19 th
Plymouth	87	5 th	42	19 th
Bayboro	86	6 th	42	18-20 th

Red sites have missing data

Drought Monitor: North Carolina



October 26, 2021

(Released Thursday, Oct. 28, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	43.25	56.75	6.39	0.00	0.00	0.00
Last Week <i>10-19-2021</i>	56.40	43.60	0.00	0.00	0.00	0.00
3 Months Ago <i>07-27-2021</i>	82.23	17.77	0.00	0.00	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>09-28-2021</i>	91.27	8.73	0.00	0.00	0.00	0.00
One Year Ago <i>10-27-2020</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>

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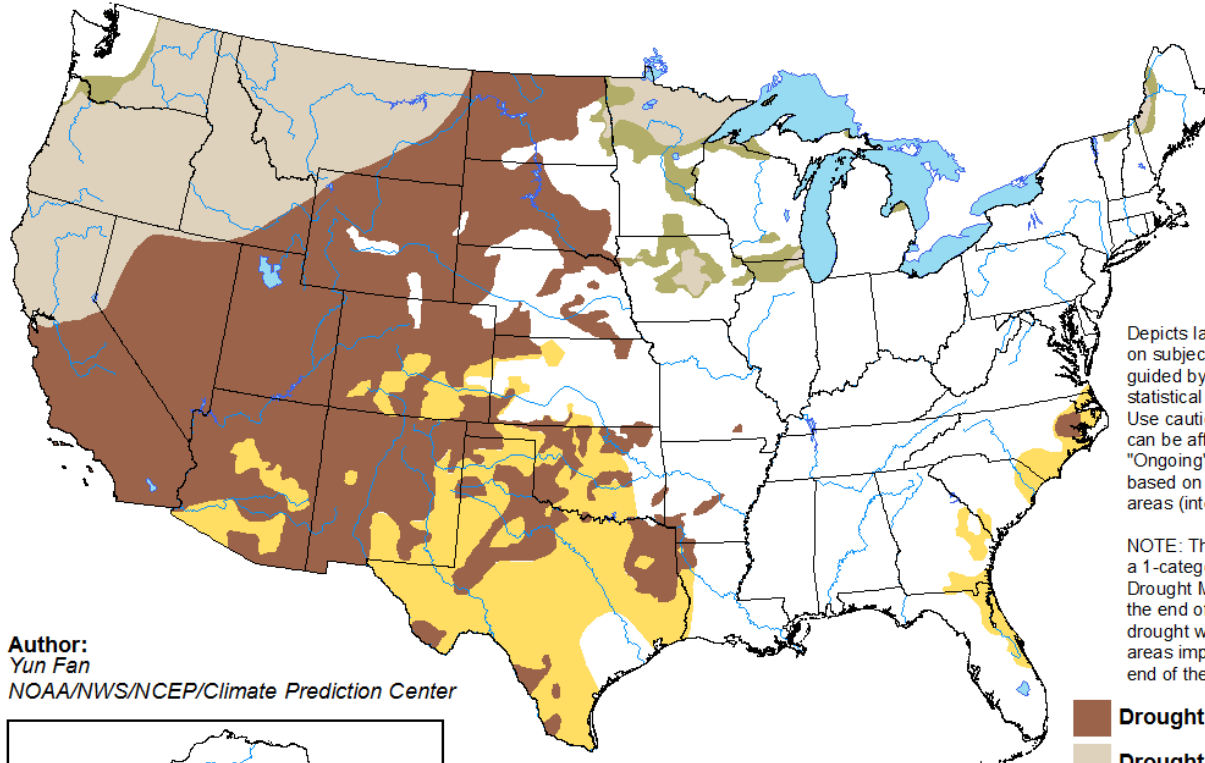


droughtmonitor.unl.edu

Monthly Drought Outlook

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

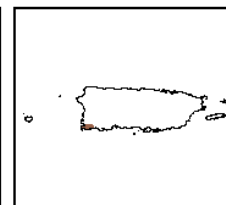
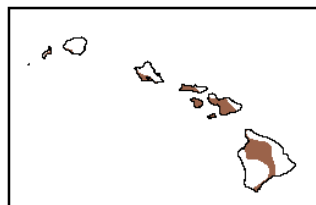
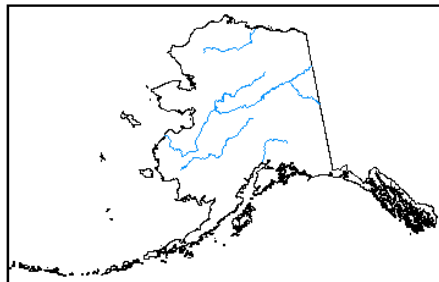
Valid for November 2021
Released October 31, 2021







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>