

A dramatic, high-contrast photograph of a stormy sky. The clouds are dark and heavy, with bright, jagged lightning bolts striking down from the bottom right. The overall color palette is dominated by deep blues, purples, and greys, with the white of the lightning providing a stark contrast.

April 2021 Climate Review

Presented By:

**National Weather Service
Newport/Morehead City, NC**

April 2021 Highlights



The sun rises over the Weather Forecast Office in Newport, NC on April 29, 2021.

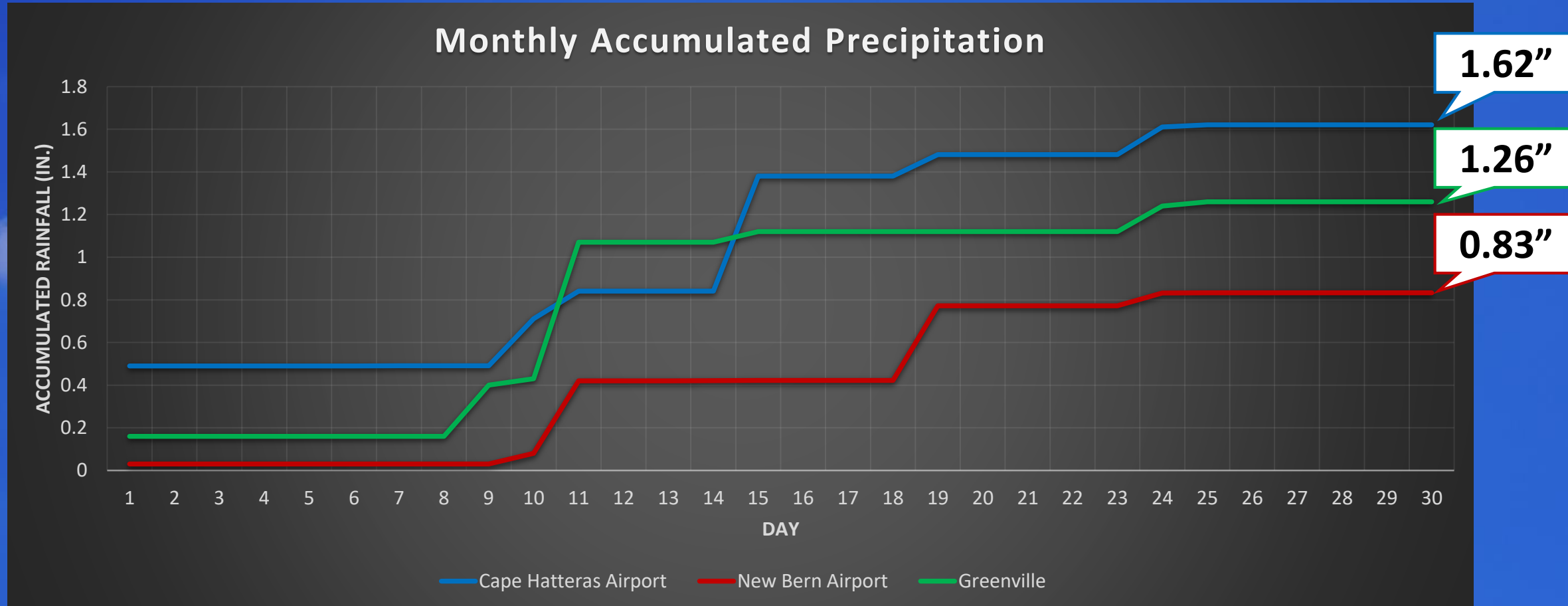
April continued last month's dry streak in eastern North Carolina. Many locations saw only about 1-2 inches of rain, or roughly half of the normal average. Consequently, almost the entire region is now under a D0 drought – abnormally dry.

Temperatures for the month were unremarkable - generally ending up within a degree of normal.

Monthly Rankings

	Average Temp	Total Rainfall
Hatteras	34 th Warmest	19 th Driest
New Bern	42 nd Coolest	6 th Driest

April 2021 Rainfall

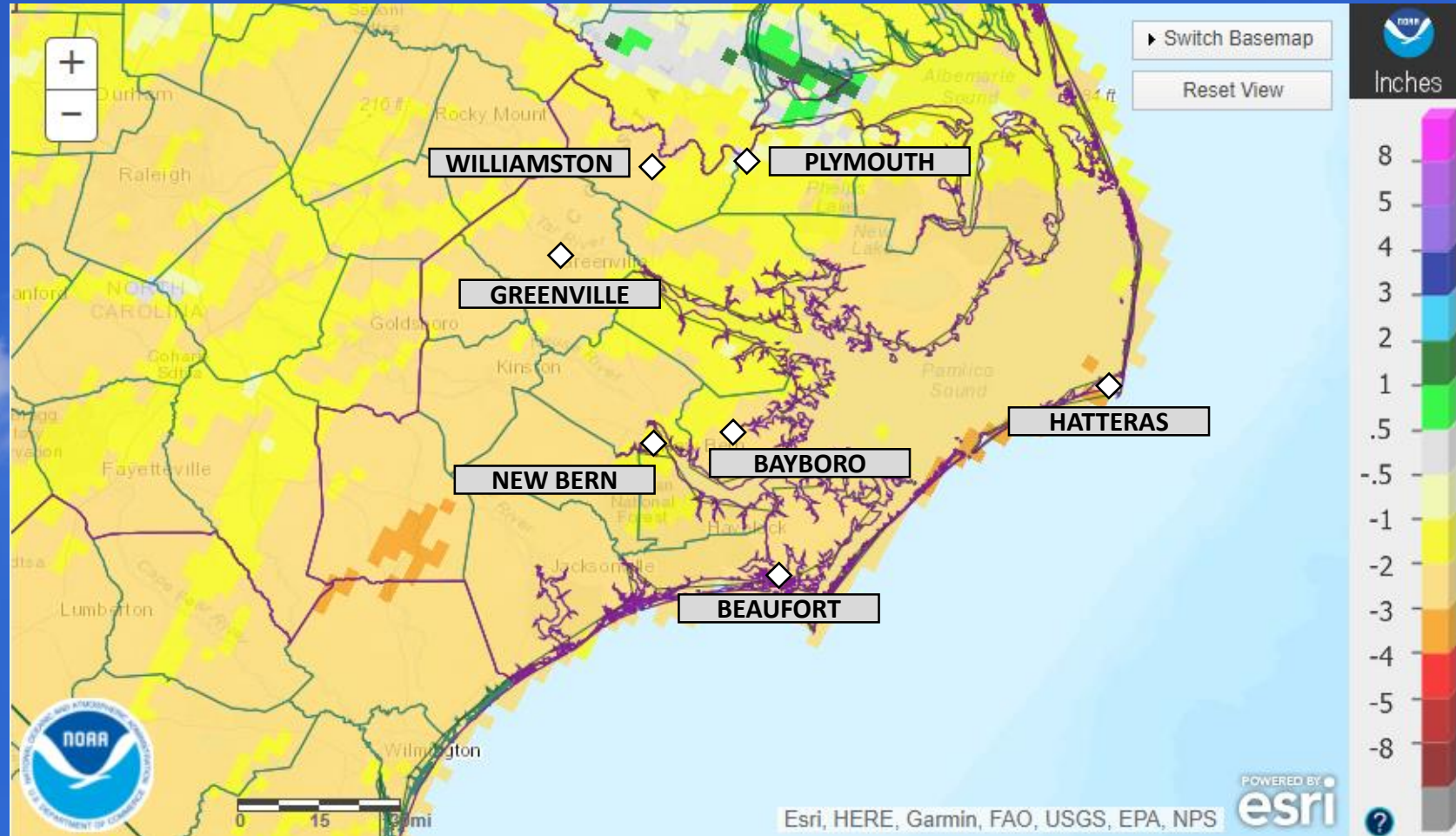


White diamonds denote missing 24-hour precipitation report. Asterisk denotes total with missing data.

April 2021 Rainfall vs. Climate Normal

	Observed (In.)	Normal	Difference
Beaufort	0.97	3.39	▼ 2.42
Hatteras	1.62	3.92	▼ 2.30
New Bern	0.83	3.18	▼ 2.35
Greenville	1.26	3.81	▼ 2.55
Williamston	2.23	3.72	▼ 1.49
Plymouth	2.68	3.74	▼ 1.06
Bayboro	2.19	3.76	▼ 1.57

Red sites have missing data



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

Wettest and Driest Aprils

	Cape Hatteras	Year Observed	New Bern	Year Observed
Wettest	9.94"	2003	8.36"	2000
2 nd Wettest	9.57"	1989	7.90"	1937
3 rd Wettest	9.25"	1928	7.39"	1938
4 th Wettest	8.96"	2008	7.16"	2003
5 th Wettest	8.61"	2019	6.66"	1961

	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Driest	0.67"	1985	0.80"	2021
4 th Driest	0.59"	1976	0.72"	1986, 1994
3 rd Driest	0.51"	1942	0.60"	1957
2 nd Driest	0.44"	1995	0.52"	2010
Driest	0.36"	1957	0.30"	1942

Average Temperatures: April 2021

	Average High	Normal High	Difference	Average Low	Normal Low	Difference
Beaufort	70.4	70.4	0.0	52.0	53.9	▼ 1.9
Hatteras	69.0	69.4	▼ 0.4	53.1	54.1	▼ 1.0
New Bern	74.5	73.6	▲ 0.9	49.0	49.9	▼ 0.9
Greenville	74.5	73.5	▲ 1.0	49.7	50.0	▼ 0.3
Kinston	74.1	75.4	▼ 1.3	48.8	51.3	▼ 2.5
Williamston	72.6	71.4	▲ 1.2	48.8	50.1	▼ 1.3
Plymouth	73.5	73.8	▼ 0.3	48.5	49.4	▼ 0.9
Bayboro	73.3	71.9	▲ 1.4	47.9	48.5	▼ 0.6

Red sites have missing data

Warmest and Coolest Aprils By Avg. Temp

	Cape Hatteras	Year Observed	New Bern	Year Observed
Warmest	68.3°	2017	67.2°	2017
2 nd Warmest	66.6°	2011	67.1°	1945
3 rd Warmest	66.0°	2019	65.7°	1985
4 th Warmest	65.7°	1994	65.6°	1955
5 th Warmest	64.1°	1991	65.4°	1960

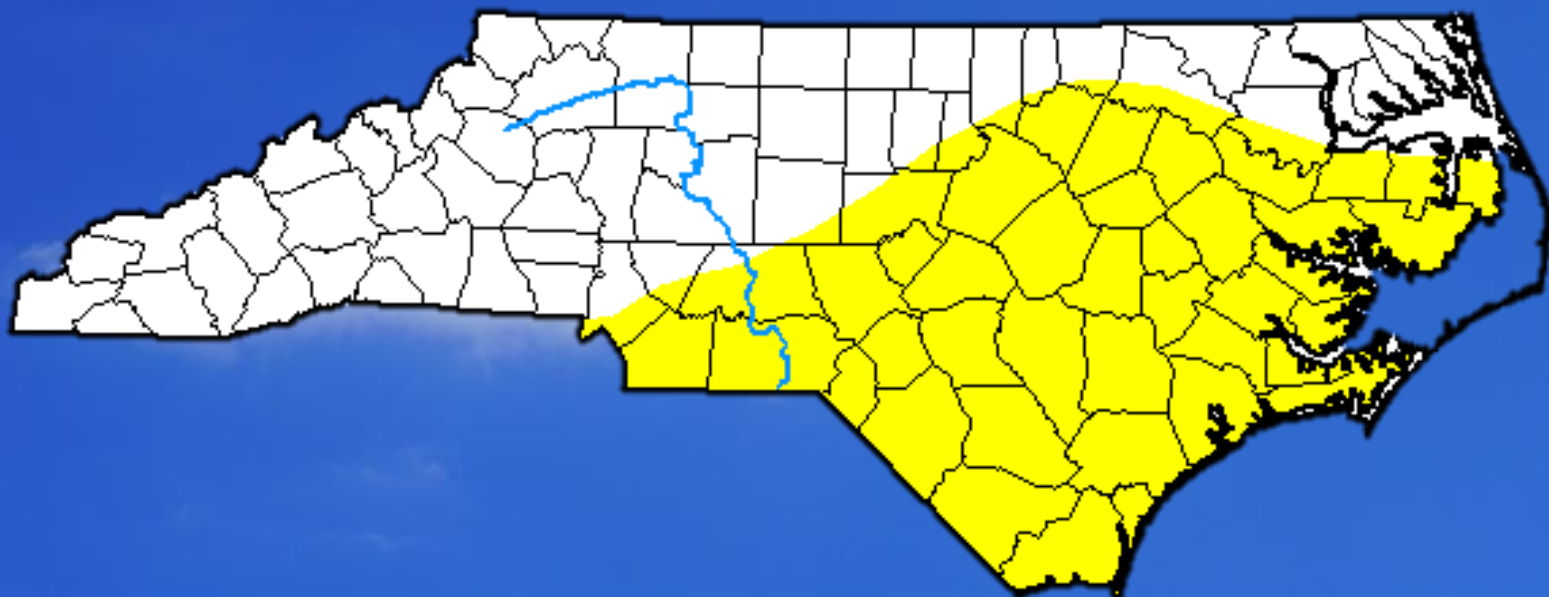
	Cape Hatteras	Year Observed	New Bern	Year Observed
5 th Coolest	55.4°	1899	58.9°	1993
4 th Coolest	55.0°	1965	58.6°	1966
3 rd Coolest	54.7°	1971	58.5°	1983
2 nd Coolest	52.9°	1907	58.2°	2018
Coolest	52.4°	1901	57.1°	1961

Temperature Extremes: April 2021

	Max High	Date Obs.	Min Low	Date Obs.
Beaufort	83	30 th	31	2 nd
Hatteras	81	30 th	39	3 rd
New Bern	87	7 th	29	3 rd
Greenville	87	28 th , 29 th	32	3 rd
Kinston	87	30 th	29	3 rd
Williamston	86	29 th , 30 th	35	2 nd , 3 rd , 4 th
Plymouth	85	28 th , 29 th	29	4 th
Bayboro	86	8 th	33	3 rd

Red sites have missing data

Drought Monitor: North Carolina



April 27, 2021

(Released Thursday, Apr. 29, 2021)

Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	49.22	50.78	0.00	0.00	0.00	0.00
Last Week <i>04-20-2021</i>	88.01	11.99	0.00	0.00	0.00	0.00
3 Months Ago <i>01-26-2021</i>	98.06	1.94	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>09-29-2020</i>	100.00	0.00	0.00	0.00	0.00	0.00
One Year Ago <i>04-28-2020</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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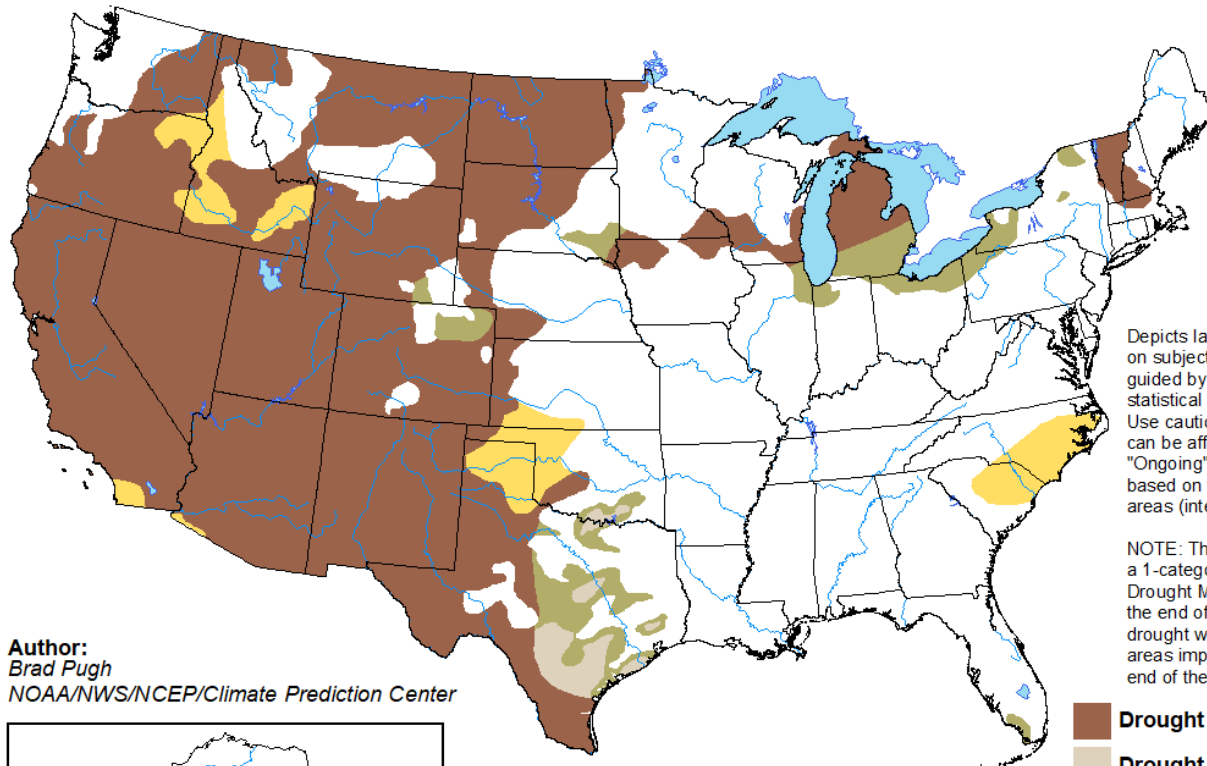


droughtmonitor.unl.edu

Monthly Drought Outlook

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

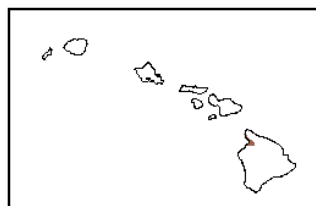
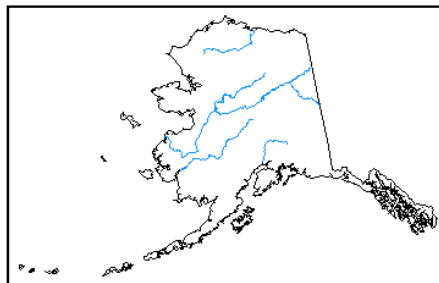
Valid for May 2021
Released April 30, 2021







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>