

Climate Review for the month of April 2014

Presented by:
National Weather Service
Newport/Morehead City

Summary

April was a warm and wet month. During the month, surface high pressure dominated the region, bringing an average max temperature into the mid 60s to mid 70s while average min temperatures ranged in the upper 40s to low 50s. Overall, the average temperature was up 3 degrees above normal for the month. Not only was it a warm month, we also had shortwaves, cold fronts, and stationary fronts affect the area. This caused an increase of rainy weather bringing rainfall amount above normal across the entire CWA.

Lastly, this past month, severe weather was fairly active compared to April 2013. Eastern NC had two tornado events that caused a great deal of damage. The first event was on April 7, produced an EF-2 tornado over Pantego and Belhaven. The second event was on April 25, which produced an EF-0 over Shine, in Greene county and an EF-3 over the areas of Chicod, Chocowinity and Bath, within the border of Pitt and Beaufort county. Full event write up is located: <http://www.weather.gov/mhx/SignificantEvents>

Average Temperatures within our CWA

	Avg_Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	69.6	na	54.2	na
Cape Hatteras	65.8	67.7	52.9	51.8
New Bern	76.3	72.4	51.7	49.7
Greenville	74.0	72.4	49.7	48.3
Kinston	76.6	76.2	51.7	47.6
Williamston	72.3	71.2	49.4	47.6
Plymouth	74.2	74.2	49.7	47.6
Bayboro	73.6	74.2	49.2	48.4

Average temperatures were up to 3 degrees above normal.

Max and Min Temperature within our CWA

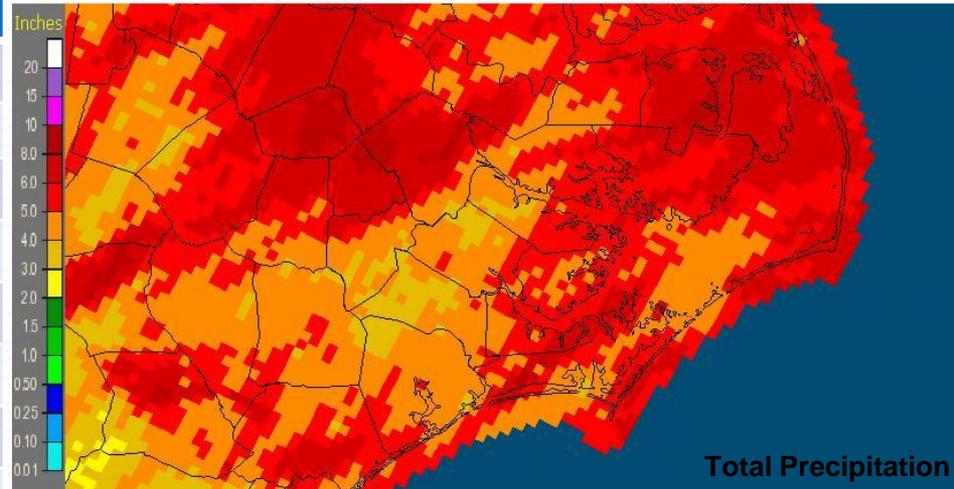
	MAX	MIN
Beaufort	81	40
Cape Hatteras	78	37
New Bern	90	37
Greenville	87	34
Kinston AG	86	36
Williamston	87	35
Plymouth	87	35
Bayboro	86	37

April's Rain versus Normal

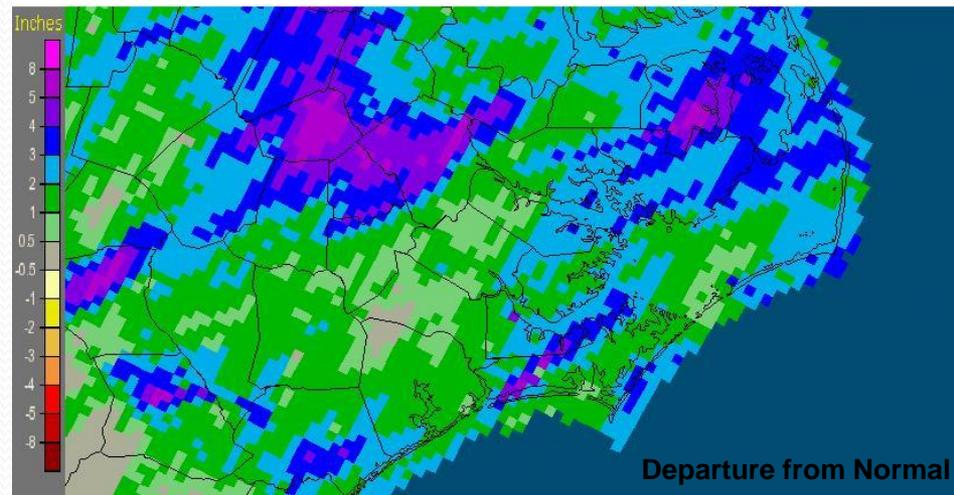
	Precipitation (inches)	Normal	Differences
Beaufort	3.36	na	na
Cape Hatteras	5.8	3.29	2.5
New Bern	4.83	3.4	1.4
Greenville	8	3.19	4.8
Kinston	4.32	3.19	1.1
Williamston	5.97	3.16	2.8
Plymouth	4.59	3.49	1.1
Bayboro	4.38	3.34	1.0

Above normal rainfall across the entire CWA. With the highest amounts over Lenoir, Greene, Pitt and parts of Martin.

Newport/Morehead City, NC (MHX): April, 2014 Monthly Observed Precipitation
Valid at 5/1/2014 1200 UTC- Created 5/3/14 23:35 UTC

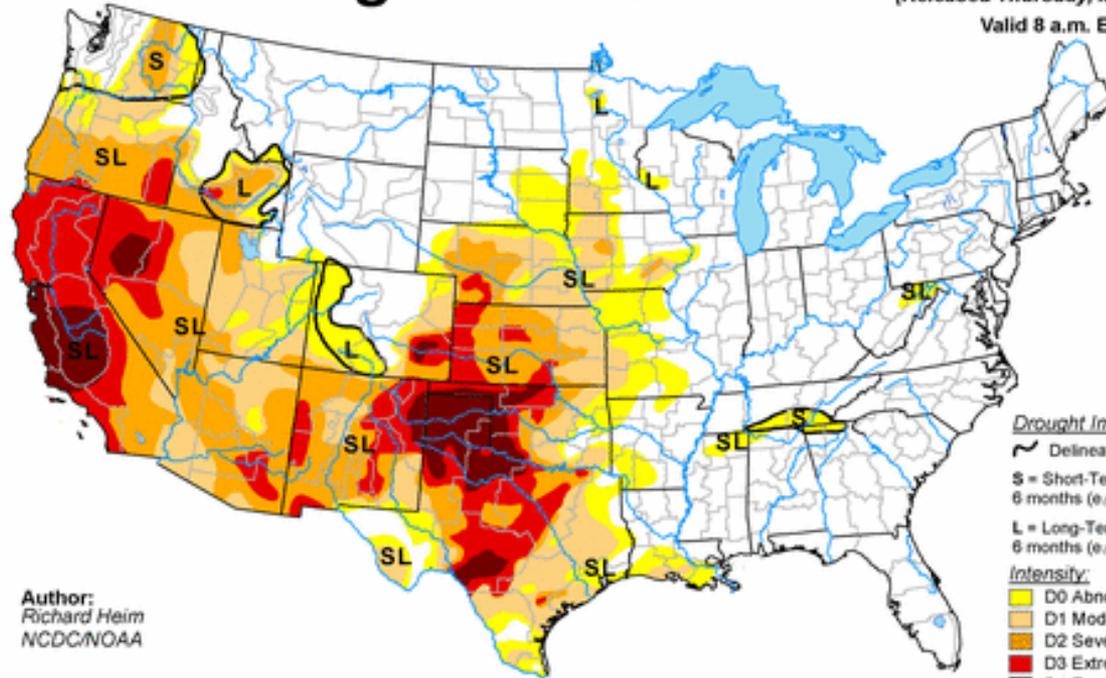


Newport/Morehead City, NC (MHX): April, 2014 Monthly Departure from Normal Precipitation
Valid at 5/1/2014 1200 UTC- Created 5/3/14 23:36 UTC



U.S. Drought Monitor

April 29, 2014
 (Released Thursday, May 1, 2014)
 Valid 8 a.m. EDT



Author:
 Richard Heim
 NCDR/NOAA

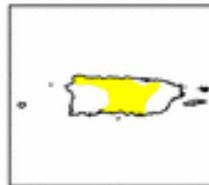
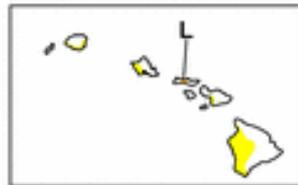
Drought Impact Types:

- Delineates dominant impacts
- S** = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L** = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- 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. See accompanying text summary for forecast statements.



<http://droughtmonitor.unl.edu/>

Before

Now



April 1, 2014
 Valid 8 a.m. EDT



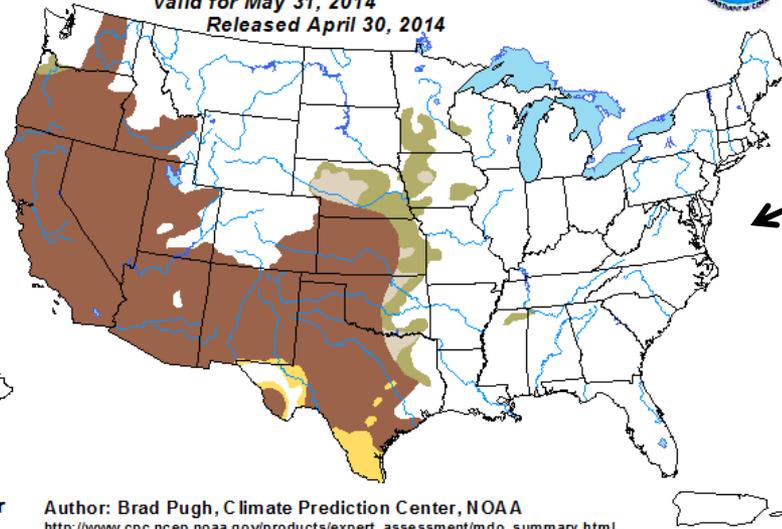
April 29, 2014
 Valid 8 a.m. EDT



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for May 31, 2014
Released April 30, 2014



Monthly Drought Outlook

KEY:

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

Author: Brad Pugh, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/mdo_summary.html

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates see the latest U.S. Drought Monitor.

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)

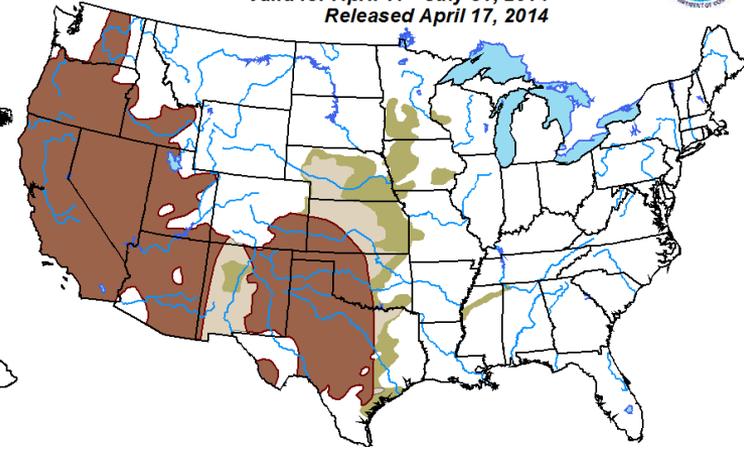
Seasonal Drought Outlook



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for April 17 - July 31, 2014
Released April 17, 2014



KEY:

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

Author: Brad Pugh, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/season_drought.html

Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Short-term events -- such as individual storms -- cannot be accurately forecast more than a few days in advance. Use caution for applications -- such as crops -- that can be affected by such events. "Ongoing" drought areas are approximated from the Drought Monitor (D1 to D4 intensity). For weekly drought updates, see the latest U.S. Drought Monitor.

NOTE: The tan area 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)