

Climate Review for the month of July 2012

Presented by:
BelMel Publishing

Summary

July was a HOT and wet month with a dominating ridge over the region. This past month, our area had a typical summer high pressure offshore with a piedmont trough inland bringing hot and muggy conditions with afternoon convective storms. For two occasions, week of July 8 and weekend of 20-24, we had stationary fronts over the area bringing above normal precipitation over CWA.

Overall, July averaged temperature was 1 to 4 degrees above normal. Maximum temperatures ranged in the upper 80s to upper 90s with our inland locations reaching to 100 degrees for more than one day. While, low temperatures ranged in the upper 60s (coastal locations) to lower 80s across our CWA.

With all the afternoon convective storms and stationary fronts across our region, this month we had above normal precipitation. Receiving more than 4 to 12 inches of rain across the coverage area. With the recent rainfall amounts to the coastal locations, the US Drought Monitor continues to have Carteret and Onslow counties in an abnormally dry conditions (D0) as they are looking at a long term precipitation deficit versus short term rainfall. If we continue to have rain along Carteret and Onslow, drought conditions can improve.

DISCLAIMER from Bel: The climate data provided are preliminary and have not undergone final quality control by NCDC. Therefore...this data is subject to revision.

Average Temperatures within our CWA

	Avg_Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	88.3	na	76.9	na
Cape Hatteras	87.4	84.6	76.6	73.6
New Bern	92.4	89.5	73.3	71.6
Greenville	92.4	89.9	72.9	70.7
Kinston AG	93.0	91.0	74.2	71
Williamston	92.2	88.6	72.4	68.9
Plymouth	92.3	89.4	72.6	70
Bayboro	91.3	89.3	72.2	71.4

Average temperatures were 1 to 4 degrees above normal for the month of July.

Max and Min Temperature within our CWA

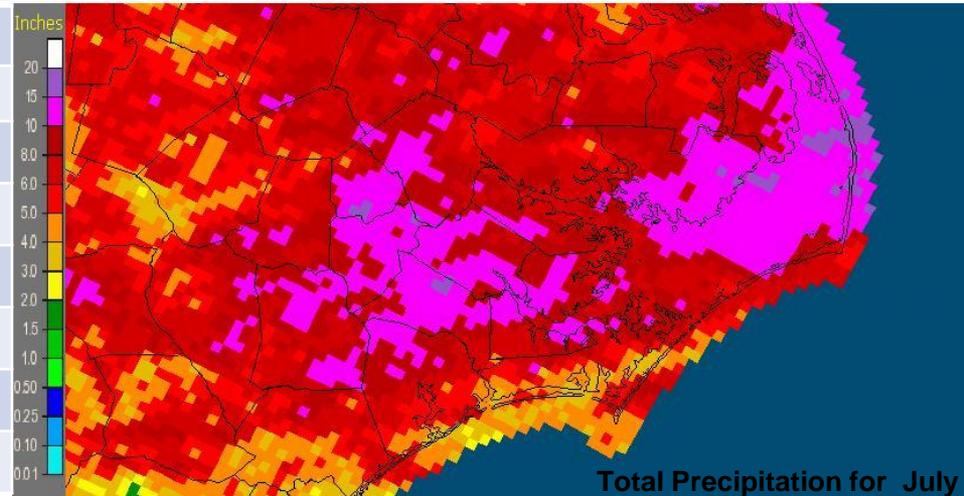
	MAX	# of Days Exceeding $\geq 90^{\circ}$	# of Days Exceeding $\geq 100^{\circ}$	MIN
Beaufort	91	9	0	69
Cape Hatteras	89	0	0	72
New Bern	99	23	0	67
Greenville	101	21	2	69
Kinston AG	100	23	1	70
Williamston	100	22	2	67
Plymouth	100	23	3	67
Bayboro	98	21	0	67

Hot July!

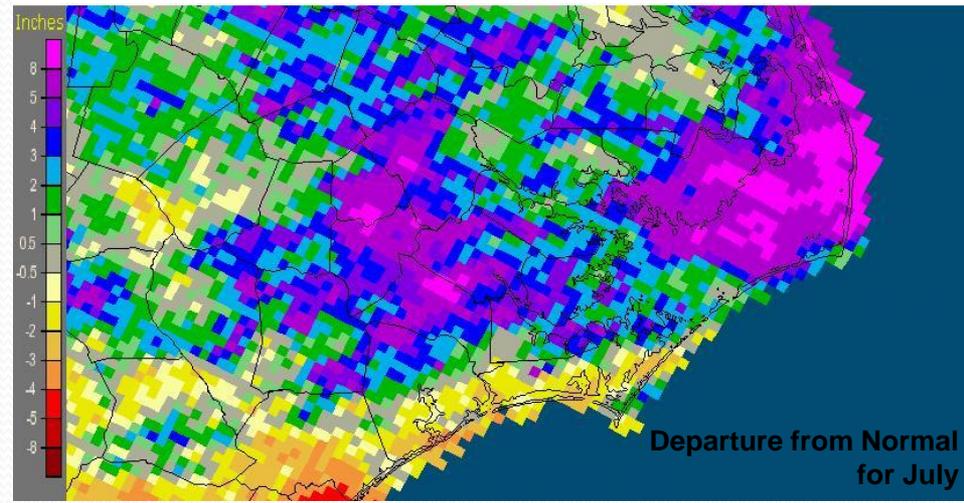
July's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	4.11	na	na
Cape Hatteras	5.37	4.99	0.38
New Bern	11.13	6.17	4.96
Greenville	7.48	5.39	2.09
Kinston AG	5.8	5.58	0.22
Williamston	7.87	5.29	2.58
Plymouth	7.59	5.34	2.25
Bayboro	11.94	6.27	5.67

Newport/Morehead City, NC (MHX): July, 2012 Monthly Observed Precipitation
Valid at 8/1/2012 1200 UTC- Created 8/1/12 15:42 UTC



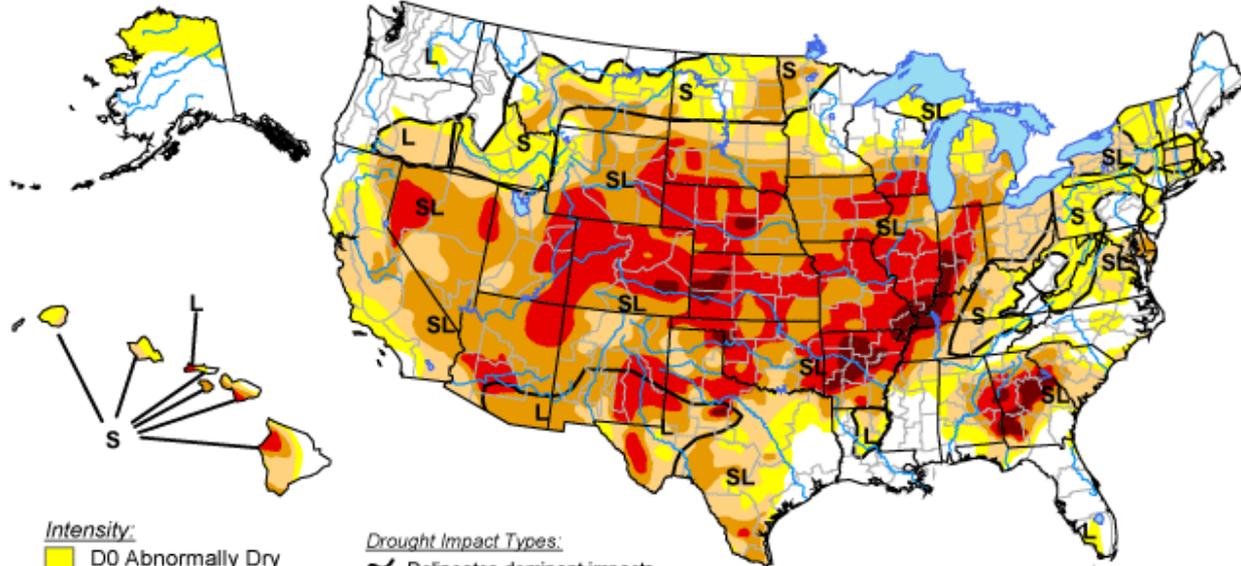
Newport/Morehead City, NC (MHX): July, 2012 Monthly Departure from Normal Precipitation
Valid at 8/1/2012 1200 UTC- Created 8/1/12 15:44 UTC



Above normal rainfall has fallen across the CWA. The drought conditions within our CWA continues to improve as many counties are not in a drought.

U.S. Drought Monitor

July 24, 2012
Valid 7 a.m. EDT



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

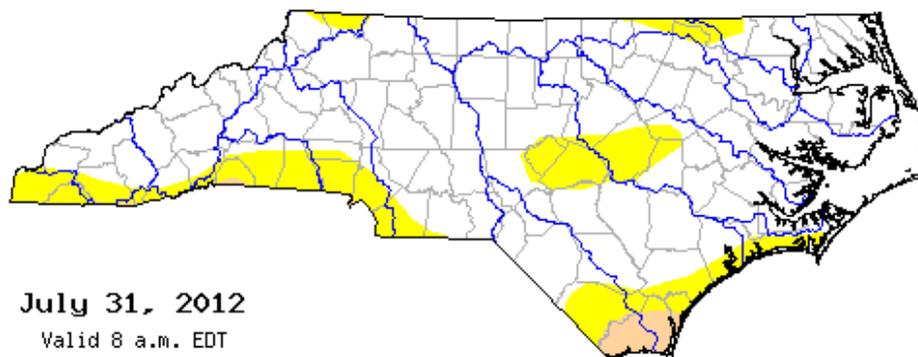
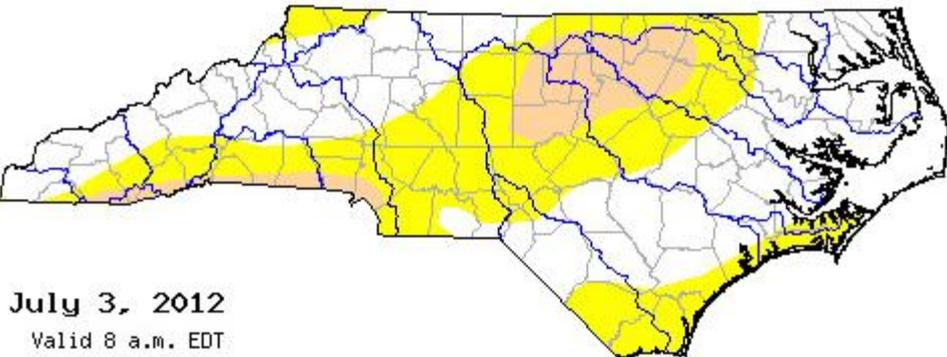
<http://droughtmonitor.unl.edu/>



Released Thursday, July 26, 2012
Author: Richard Heim, NOAA/NESDIS/NCDC

Before

Now



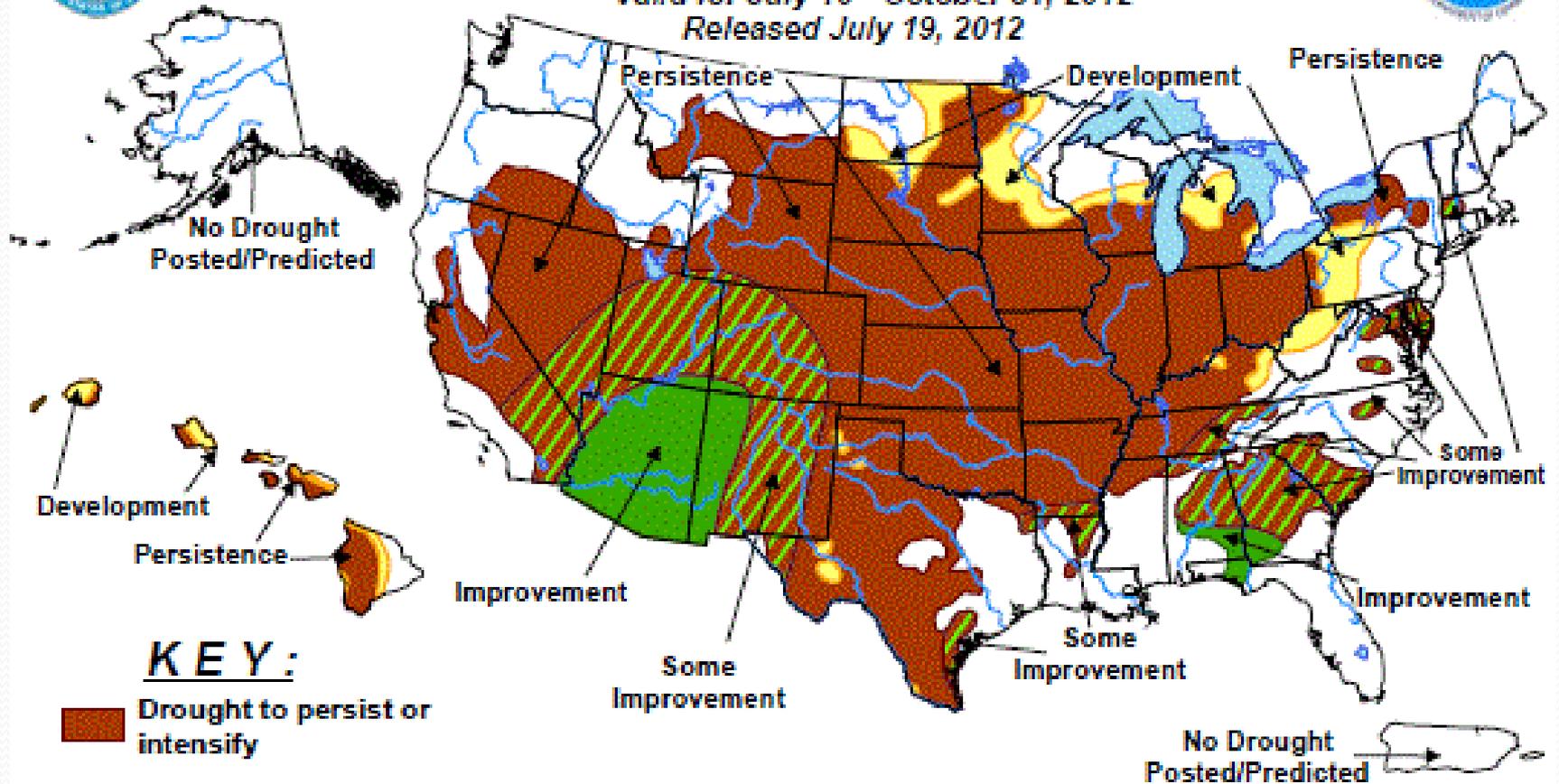


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for July 19 - October 31, 2012

Released July 19, 2012



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 green Improvement areas imply at least a 1-category improvement in the Drought Monitor intensity levels, but do not necessarily imply drought elimination.