

Climate Review for the month of July 2013

Presented by:
National Weather Service
Newport/Morehead City

Summary

July was a typical summer in eastern North Carolina with a high pressure center dominating from the western Atlantic and the piedmont trough across central NC. Overall, July was a very warm and somewhat dry month with average temperatures slightly above normal. The average max temperature ranged in the mid to upper 80s and average low in the low to mid 70s. Most of the rain fell inland and decreased toward coastal areas with the greatest amount near 7 inches (inland) and lowest amount 2 inches (coastal). The beginning of July was quite wet due to remnants of a MJO near Central America and sea breeze driven storms. Our area continues to be drought-free for now.

DISCLAIMER : 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	85.0	na	74.6	na
Cape Hatteras	86.6	84.6	75.9	73.6
New Bern	89.6	89.5	73.3	71.6
Greenville	88.4	89.9	72.5	70.7
Kinston AG	89.4	91.0	71.9	71
Williamston	87.4	88.6	71.7	68.9
Plymouth	88.0	89.4	70.8	70

Average temperatures were up to 2 degrees above normal.

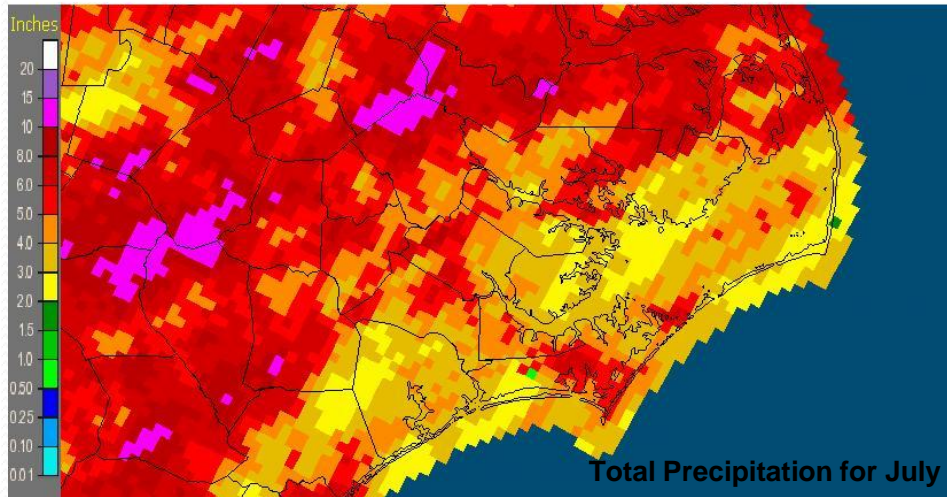
Max and Min Temperature within our CWA

	MAX	MIN
Beaufort	92	68
Cape Hatteras	90	72
New Bern	94	67
Greenville	94	69
Kinston AG	94	65
Williamston	94	66
Plymouth	94	62

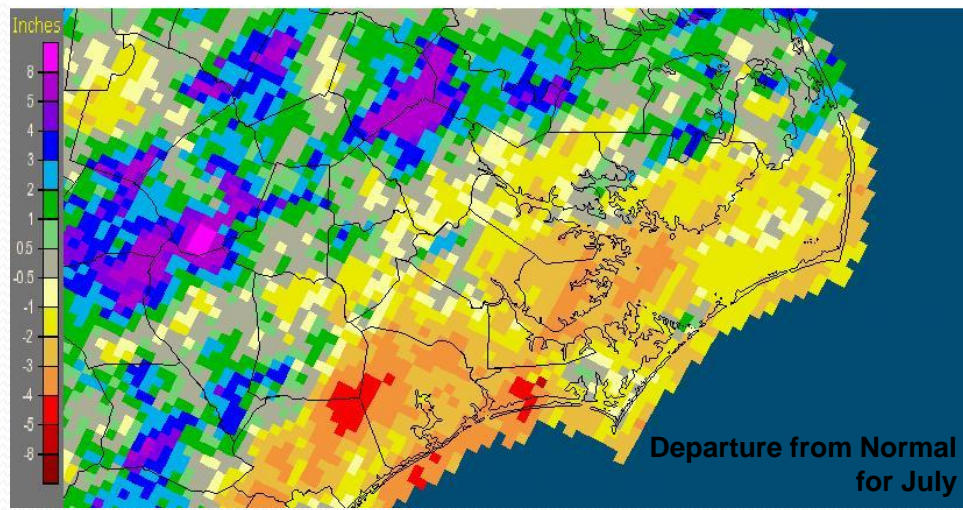
July's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	5.39	na	na
Cape Hatteras	1.88	4.99	-3.11
New Bern	3.74	6.17	-2.43
Greenville	8	5.39	2.61
Kinston AG	6.58	5.58	1
Williamston	7.28	5.29	1.99
Plymouth	5.29	5.34	-0.05
Bayboro	4.26	6.27	-2.01

Newport/Morehead City, NC (MHX): July, 2013 Monthly Observed Precipitation
Valid at 8/1/2013 1200 UTC- Created 8/2/13 17:42 UTC



Newport/Morehead City, NC (MHX): July, 2013 Monthly Departure from Normal Precipitation
Valid at 8/1/2013 1200 UTC- Created 8/2/13 17:45 UTC

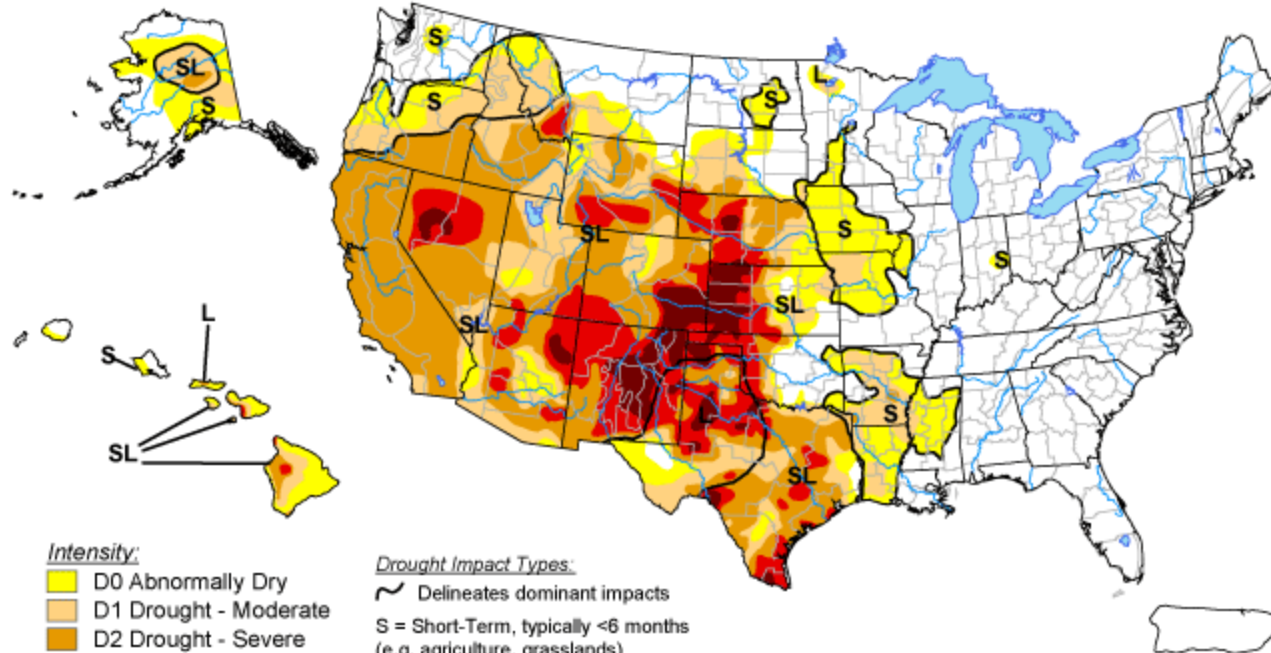


Most of the rain fell inland with the greatest amount near 7 inches .

U.S. Drought Monitor

July 30, 2013

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, August 1, 2013

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Before

Now





U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for July 18 - October 31, 2013

Released July 18, 2013



Removal

Development

Removal

Persistence

Persistence

Persistence

Development

Development

Improvement

Persistence

Persistence





Development

Removal

No Drought
Posted/Predicted



KEY:

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

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 and Brown hatched 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)