

# Climate Review for the month of August 2013

Presented by:  
National Weather Service  
Newport/Morehead City

# Summary

August usually has upper level ridging dominating the region, but this year it was quite the opposite. Overall, with a persistent trough over the region, Eastern Carolina had cooler and somewhat wet conditions. This month, average max temperature ranged in the mid to upper 80s and average low was in the upper 60s to low 70s. Precipitation varied throughout the area, with the greatest amount around Washington, Tyrrell, Mainland Dare and Hyde. Generally, the area received 3 to 7 inches of rain. Our coverage area continued to be drought-free.

*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	83.3	na	71.3	na
Cape Hatteras	85.4	84.1	74.4	72.9
New Bern	87.0	87.9	70.6	70.4
Greenville	86.4	88.3	67.9	69.2
Kinston AG	87.1	89.6	68.9	69.3
Williamston	85.0	87.3	67.7	67.5
Plymouth	86.0	87.8	68.2	68.6
Bayboro	85.3	88	67.4	70

Average temperatures were up to 2 degrees below normal.

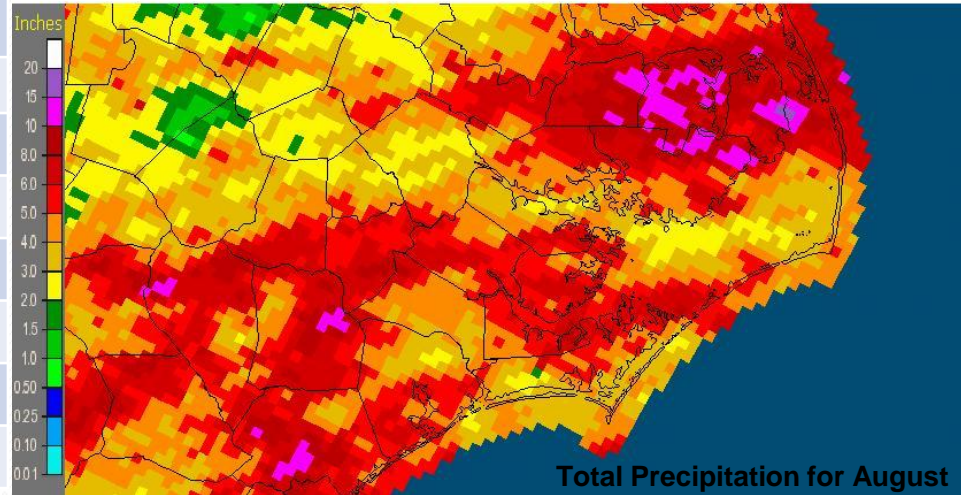
# Max and Min Temperature within our CWA

	MAX	MIN
Beaufort	88	64
Cape Hatteras	91	67
New Bern	95	62
Greenville	96	54
Kinston AG	94	56
Williamston	94	55
Plymouth	94	55
Bayboro	93	58

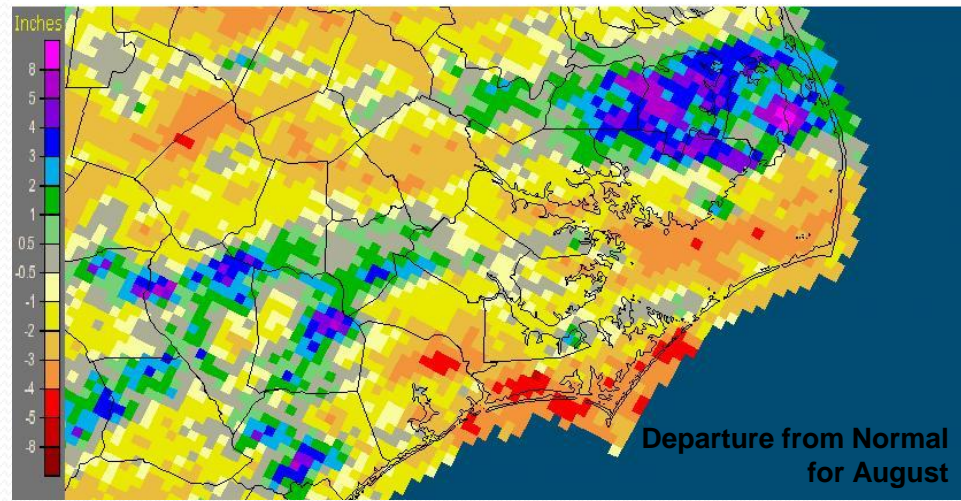
# August's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	5.19	na	na
Cape Hatteras	3.71	6.93	-3.22
New Bern	5.85	6.65	-0.8
Greenville	2.85	6.14	-3.29
Kinston AG	6.25	5.41	0.84
Williamston	7.46	5.54	1.92
Plymouth	7.34	6.28	1.06
Bayboro	8.00	7.25	0.75

Newport/Morehead City, NC (MHX): August, 2013 Monthly Observed Precipitation  
Valid at 9/1/2013 1200 UTC- Created 9/3/13 21:37 UTC



Newport/Morehead City, NC (MHX): August, 2013 Monthly Departure from Normal Precipitation  
Valid at 9/1/2013 1200 UTC- Created 9/3/13 21:39 UTC

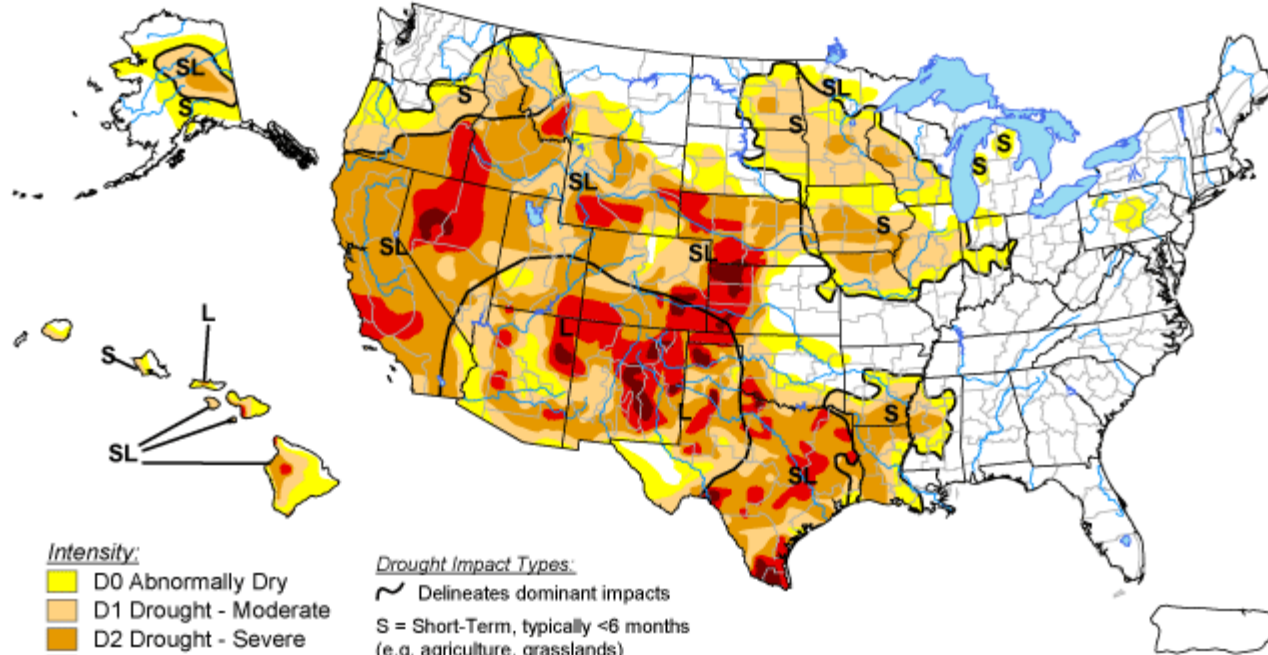


Rainfall varied throughout the eastern NC. With the greatest amount along HWY 64 with 8-10 inches based on radar estimates Overall, 3 to 7 inches has fallen across the coverage area.






# U.S. Drought Monitor

September 3, 2013


Valid 7 a.m. EDT



Intensity:

-  D0 Abnormally Dry
-  D1 Drought - Moderate
-  D2 Drought - Severe
-  D3 Drought - Extreme
-  D4 Drought - Exceptional

Drought Impact Types:

-  Delineates dominant impacts
- S = Short-Term, typically <6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically >6 months (e.g. hydrology, ecology)

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, September 5, 2013

Author: David Miskus, NOAA/NWS/NCEP/CPC

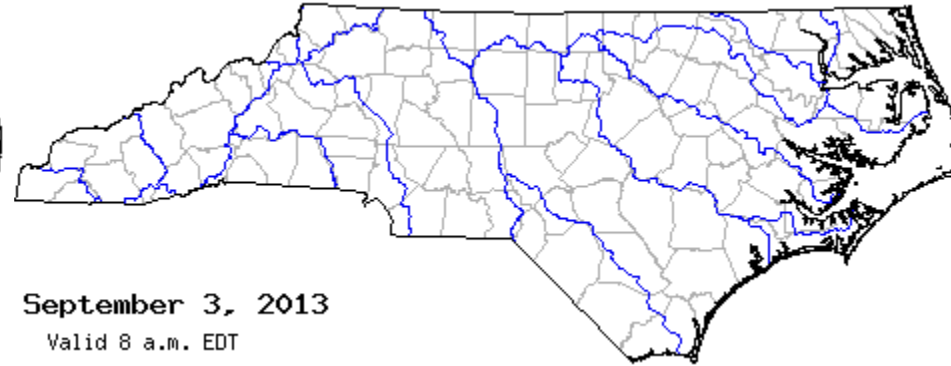
Before



July 30, 2013

Valid 8 a.m. EDT

Now



September 3, 2013

Valid 8 a.m. EDT



# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for August 15 - November 30, 2013

Released August 15, 2013



Removal

Persistence

Removal

Persistence

Removal

Development

Removal

Persistence





Improvement

No Drought  
Posted/Predicted

Development

Persistence

### 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](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 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)