

# Climate Review for the month of May 2013

Presented by:  
National Weather Service  
Newport/Morehead City

# Summary

The month of May started out with a slow moving upper level low that moved across the southeast region. This system was the synoptic transition for the southeast to start having the subtropical high to dominate the second half of the month.

Overall, May 2013 was a fairly normal month for temperature, but not for precipitation. Max temperatures were on the cooler side for the month as max highs ranged in the mid 70s to lower 80s and low temperatures averaged in the upper 50s to low 60s across the area. Most of the precipitation fell in the northwestern part of the coverage area and around the Hatteras area. Precipitation amounts for the month of May were below normal with deficiencies between 0.50 inches to 4 inches for our area. As a result with the continuous trends of variable amount of rainfall across the area, the D0 (Abnormally Dry) has been expanded to all counties under our CWA.

*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	75.9	na	61.9	na
Cape Hatteras	75.5	74.9	62.2	60.2
New Bern	80.6	79.0	58.9	58.7
Greenville	78.7	79.3	57.6	57.3
Kinston AG	79.8	83.4	58.2	56.8
Williamston	76.9	78.2	57.3	56.4
Plymouth	78.0	80.8	57.4	56.8
Bayboro	78.5	80.5	56.7	57.4

Average temperatures were slightly cooler than normal.

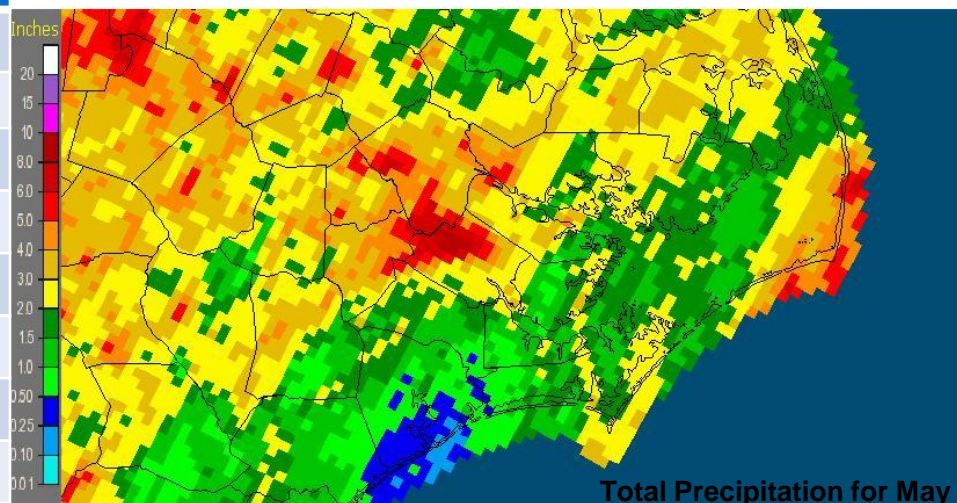
# Max and Min Temperature within our CWA

	MAX	MIN
Beaufort	82	50
Cape Hatteras	84	51
New Bern	91	45
Greenville	90	40
Kinston AG	90	42
Williamston	88	42
Plymouth	90	41
Bayboro	89	42

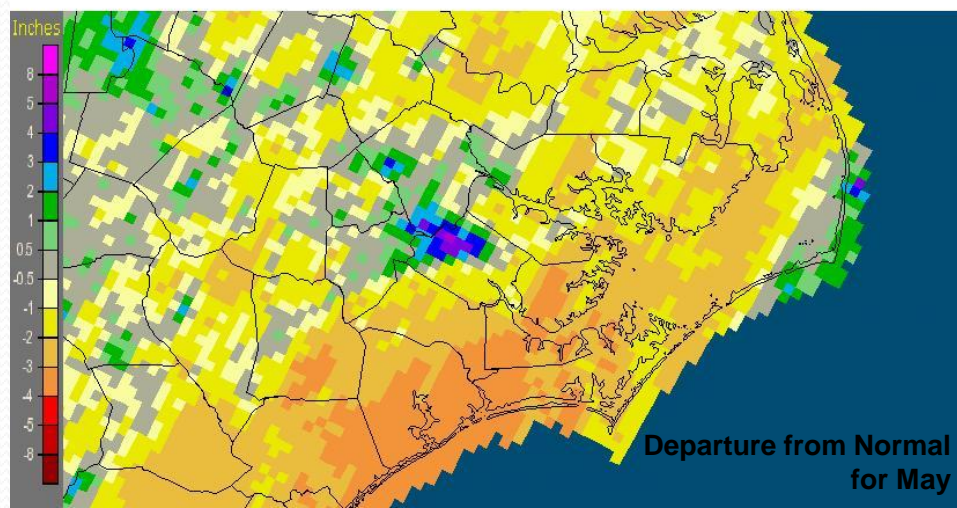
# May's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	2.43	na	na
Cape Hatteras	3.37	3.92	-0.55
New Bern	1.78	4.19	-2.41
Greenville	3.57	4.05	-0.48
Kinston AG	3.47	3.87	-0.4
Williamston	1.85	4.09	-2.24
Plymouth	1.59	4.5	-2.91
Bayboro	1.13	4.71	-3.58

Newport/Morehead City, NC (MHX): May, 2013 Monthly Observed Precipitation  
Valid at 6/1/2013 1200 UTC- Created 6/4/13 0:02 UTC



Newport/Morehead City, NC (MHX): May, 2013 Monthly Departure from Normal Precipitation  
Valid at 6/1/2013 1200 UTC- Created 6/3/13 22:35 UTC

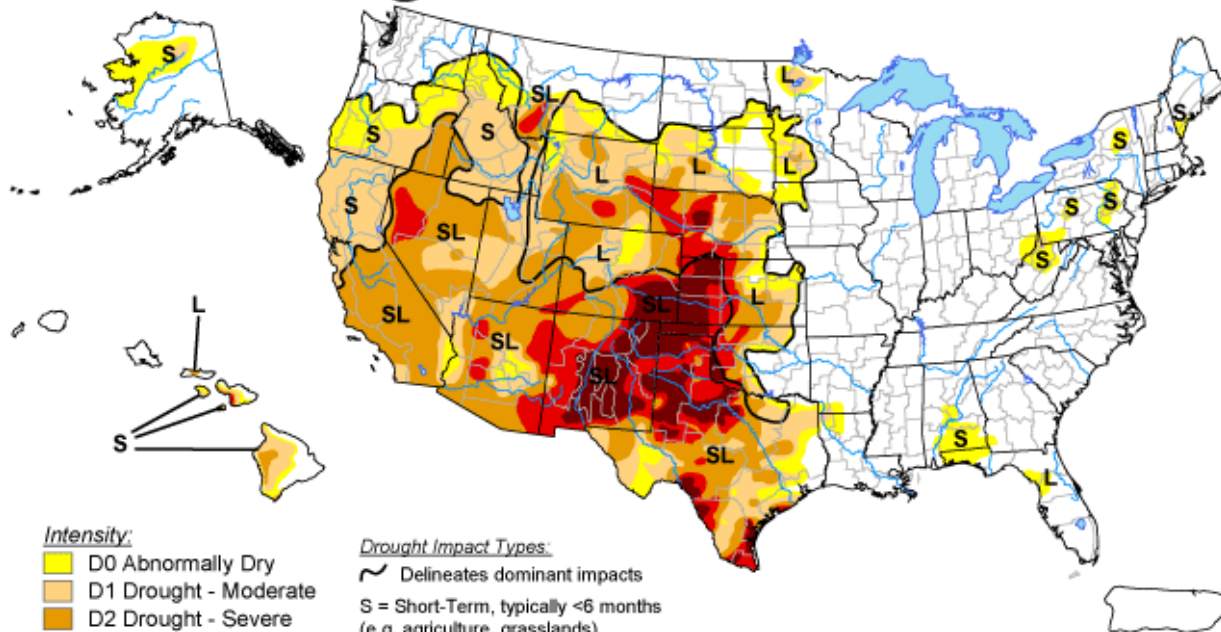


Precipitation was below normal for May. Most of the rain fell across Northwestern counties and Hatteras area of our CWA, compared to the rest of the coverage area. Rain fall averages were 1 to 3.50 inches with a few localized spots up to 6 inches.

# U.S. Drought Monitor

June 11, 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/>

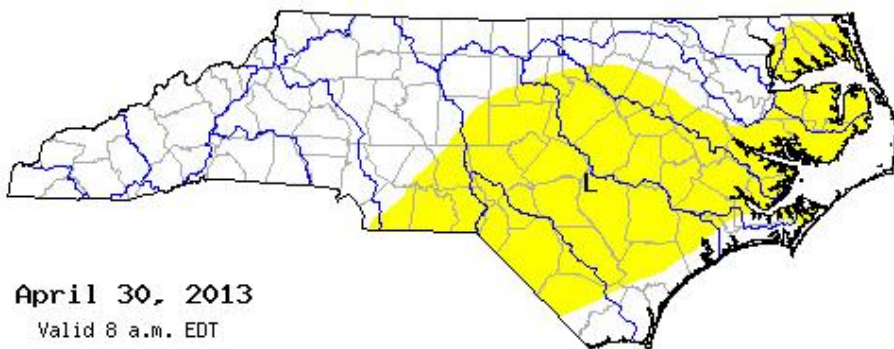


Released Thursday, June 13, 2013

Author: David Simeral, Western Regional Climate Center

Before

Now



April 30, 2013

Valid 8 a.m. EDT

May 28, 2013

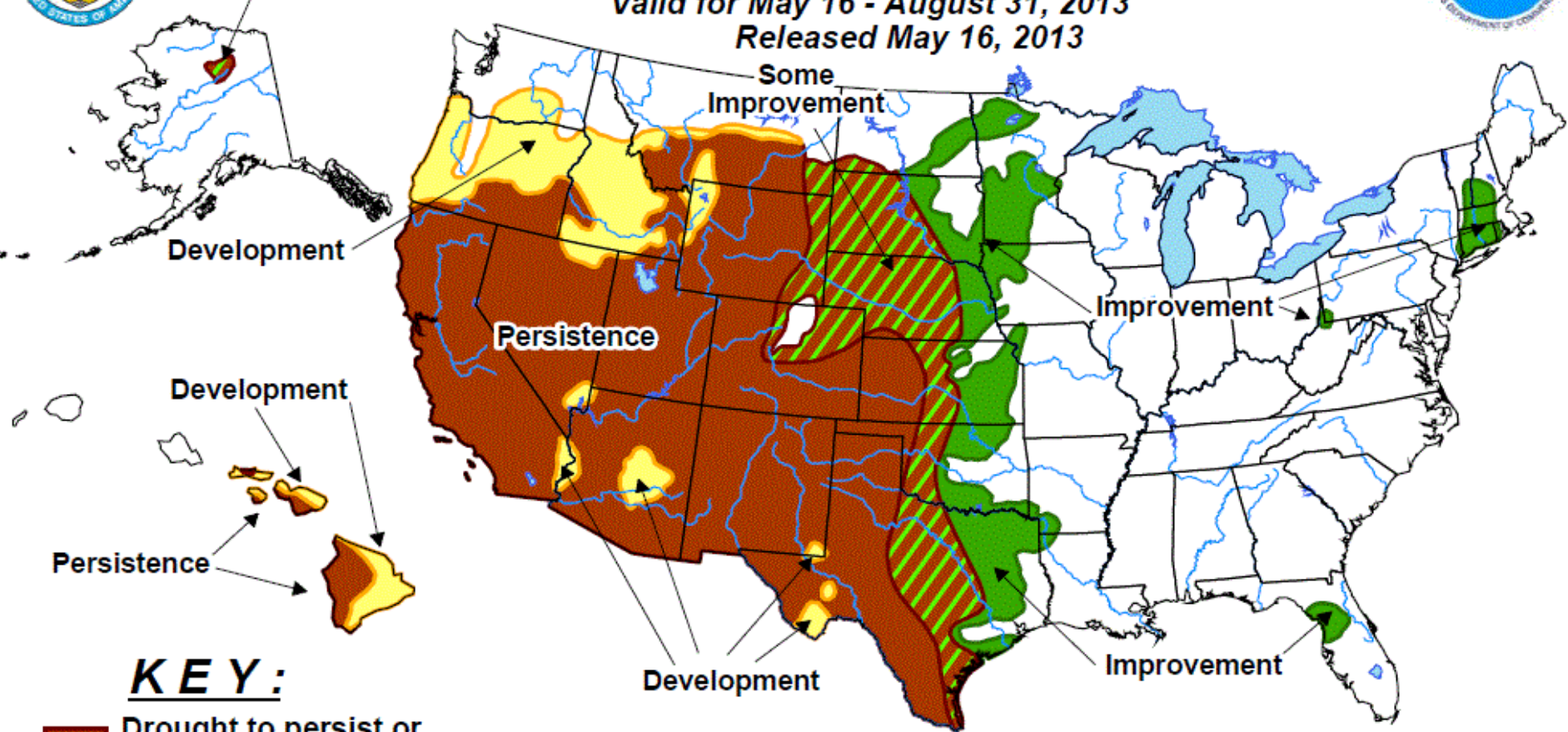
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


# U.S. Seasonal Drought Outlook

## Drought Tendency During the Valid Period

Valid for May 16 - August 31, 2013  
Released May 16, 2013



### KEY:

-  Drought to persist or intensify
-  Drought ongoing, some improvement
-  Drought likely to improve, impacts ease
-  Drought development likely

No Drought Posted/Predicted 

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.