

Climate Review for the month of June 2013

Presented by:
National Weather Service
Newport/Morehead City

Summary

At the beginning of June, the area had upper level ridging while the central part of the country had a trough. This slow moving trough with its associated cold front helped increase moisture levels (increase of PWATs) into the east coast, especially as there was remnants of an MJO near Central America. This moisture helped our area to receive above normal rain, and also helped the development of our first tropical system, Tropical Storm Andrea. The combination of the tropical storm and cold front assisted in relieving the drought. An upper level trough dominated the middle of June, bring a weak cold front and several shortwaves across the area. Towards the end of June, an upper level ridge aloft and surface high pressure dominated the region before upper level trough dropped from the Great Lakes/Ohio Valley once again increasing moisture levels as there was again a very active MJO in the Central America region.

Overall June was somewhat above normal month for temperature and precipitation was above normal for the month. Max temperatures were near normal as max highs ranged in the low to mid 80s and low temperatures averaged in the upper 60s to low 70s across the area. The largest amount of rain fell across the area with the highest amounts inland. As a result Eastern North Carolina is now 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	82.4	na	71.9	na
Cape Hatteras	83.2	81.5	72.9	68.1
New Bern	87.0	84.9	69.8	66.5
Greenville	86.1	85.7	68.0	65.5
Kinston AG	86.7	88.9	68.6	65.0
Williamston	85.3	84.9	67.1	64.3
Plymouth	86.1	87.0	67.6	65.0
Bayboro	84.1	86.1	67.1	65.6

Average temperatures were 1 to 3 above normal, except for Bayboro.

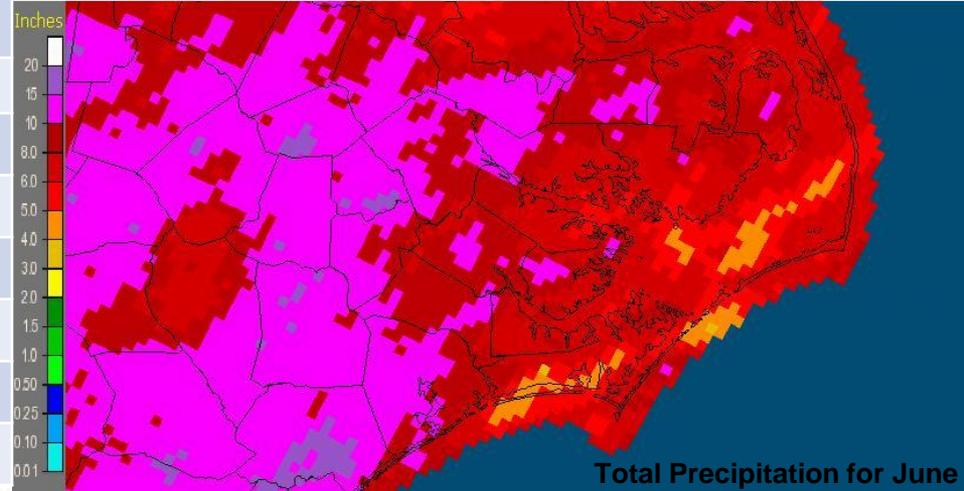
Max and Min Temperature within our CWA

	MAX	MIN
Beaufort	86	58
Cape Hatteras	87	58
New Bern	98	59
Greenville	97	59
Kinston AG	96	57
Williamston	95	58
Plymouth	97	56
Bayboro	92	54

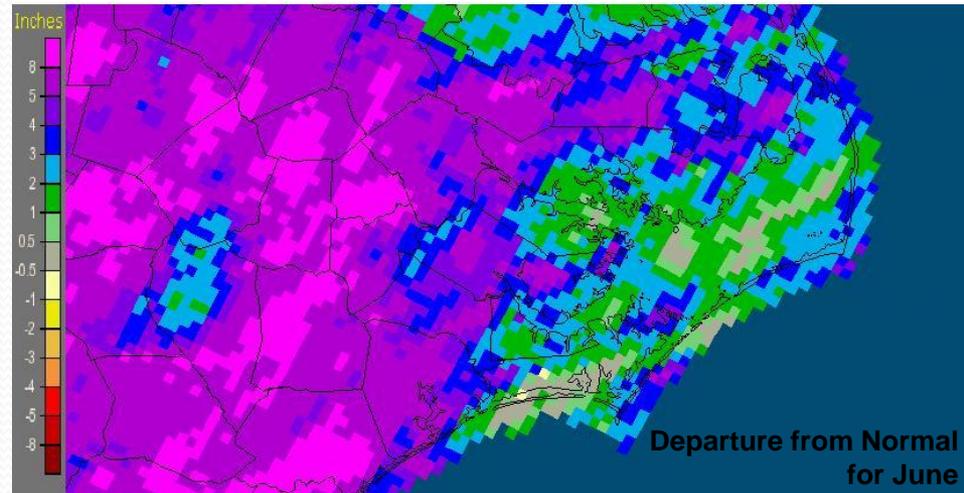
June's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	4.22	na	na
Cape Hatteras	6.36	3.82	2.54
New Bern	8.21	4.8	3.41
Greenville	8.8	4.38	4.42
Kinston AG	9.23	4.48	4.75
Williamston	13.47	4.46	9.01
Plymouth	8.14	5.03	3.11
Bayboro	11.4	4.76	6.64

Newport/Morehead City, NC (MHX): June, 2013 Monthly Observed Precipitation
Valid at 7/1/2013 1200 UTC- Created 7/3/13 21:37 UTC



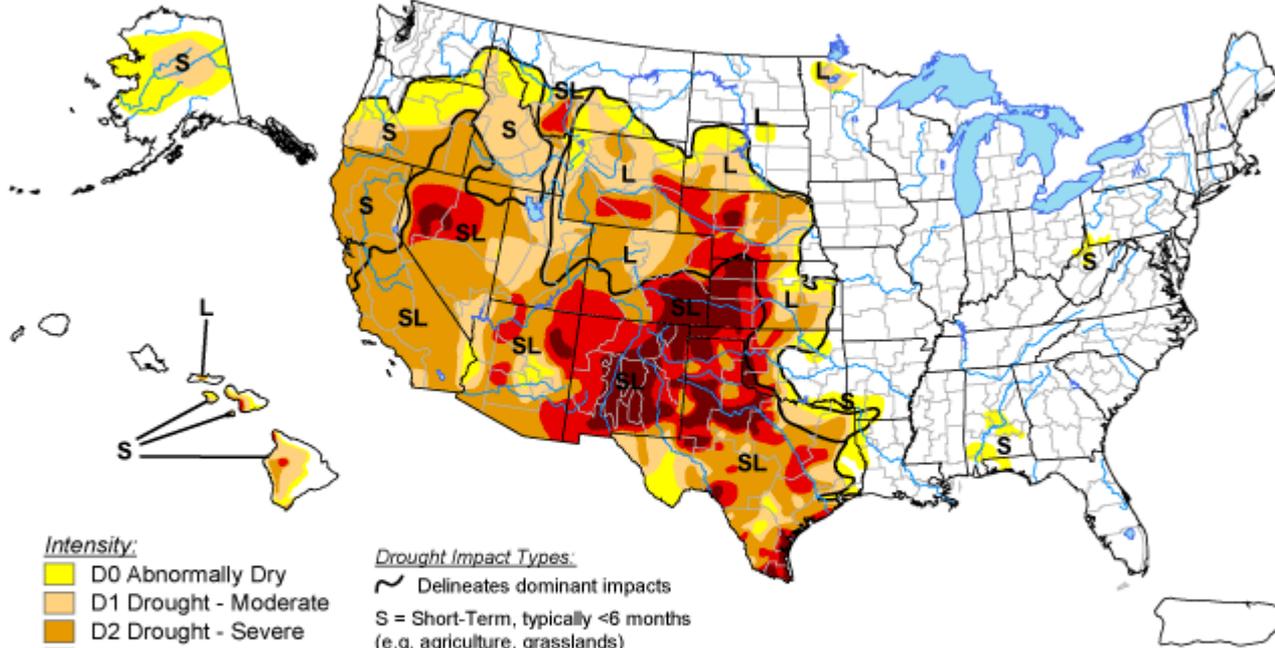
Newport/Morehead City, NC (MHX): June, 2013 Monthly Departure from Normal Precipitation
Valid at 7/1/2013 1200 UTC- Created 7/3/13 21:40 UTC



Precipitation was above normal for June. Large amount of rain fell throughout Eastern NC with highest amounts inland.

U.S. Drought Monitor

July 2, 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 Wednesday, July 3, 2013

Author: Matthew Rosencrans, NOAA/NWS/NCEP/CPC

Before

Now



May 28, 2013
Valid 8 a.m. EDT

July 2, 2013
Valid 8 a.m. EDT

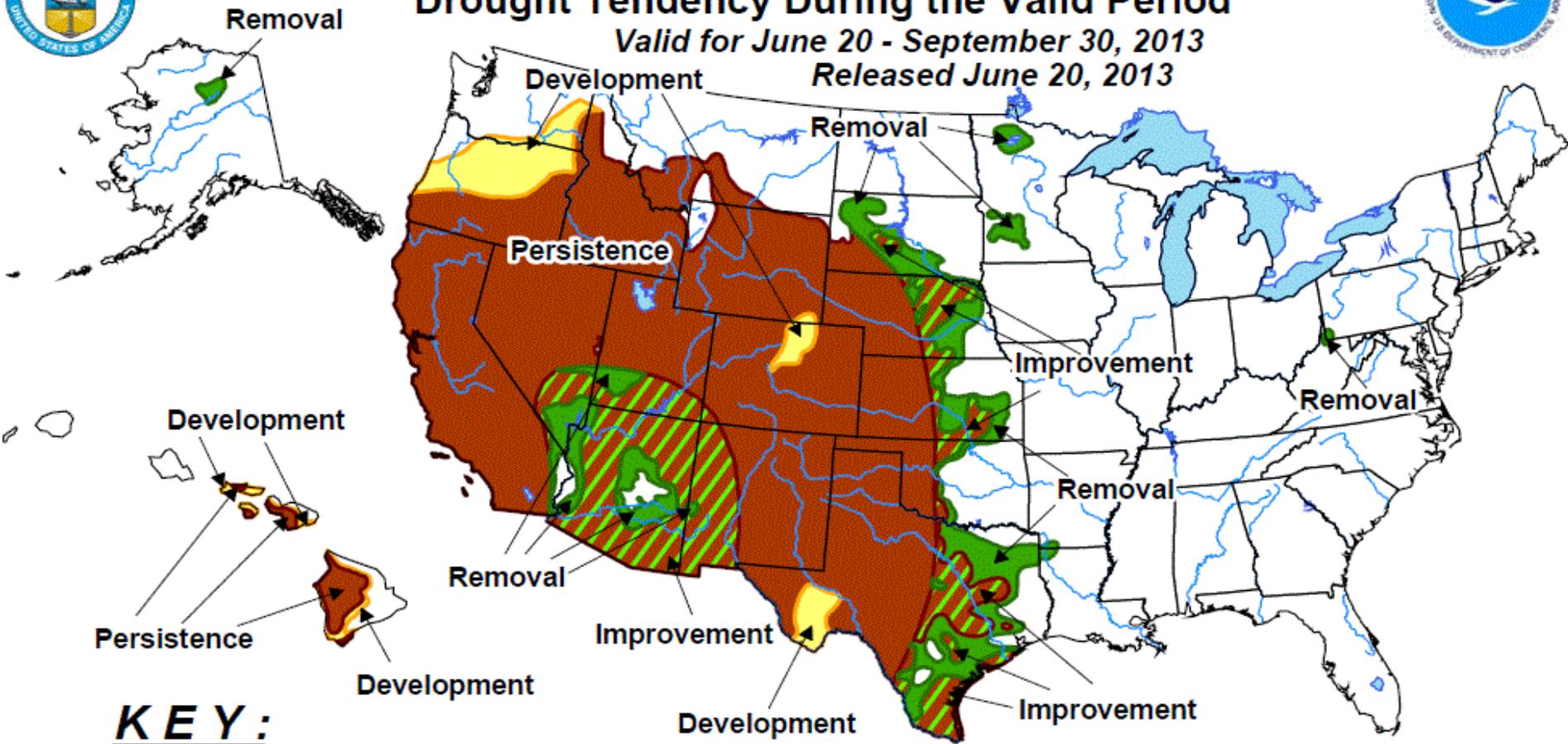


U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for June 20 - September 30, 2013

Released June 20, 2013



KEY:

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