

Climate Review for the month of October 2013

Presented by:
National Weather Service
Newport/Morehead City

Summary

The month of October was mainly a transitional month with a mix of upper level ridging and troughing occurring. Overall, high pressure dominated the area, except during October 9 when a low pressure system developed off the coast of North Carolina and lingered for several days, bring cloudy and rainy/misty conditions.

On the temperature side, the average max temperature ranged in the low to mid 70s and average lows were in the low 50s to low 60s. Overall, temperature was approximately 2 degrees above normal for the month. This is including our first freeze warning that occurred on October 24, mainly for our western counties in our county warning area (Martin, Pitt, Greene, Lenoir, Duplin, Onslow, and Jones counties). Normally, Eastern North Carolina typically reaches the 32 degree mark around the first half of November. This year we were several days early.

Generally, the area received 2 to 15 inches of rain in October. Most of the rain fell along the coastal area. Due to the good amount of rain that occurred our coverage is now drought-free compared to the previous month.

Average Temperatures within our CWA

	Avg_Max	Avg_Max Normal	Avg_Min	Avg_Min Normal
Beaufort	72.7	na	58.0	na
Cape Hatteras	73.6	72.6	61.5	58.8
New Bern	75.0	74.4	56.6	53.1
Greenville	72.5	73.1	54.0	49.2
Kinston AG	73.8	77.1	54.9	50.9
Williamston	72.0	72.9	53.2	49.7
Plymouth	72.9	74.5	54.5	51.0
Bayboro	73.6	75.5	54.4	51.7

Average temperatures were up to 2 degrees above normal.

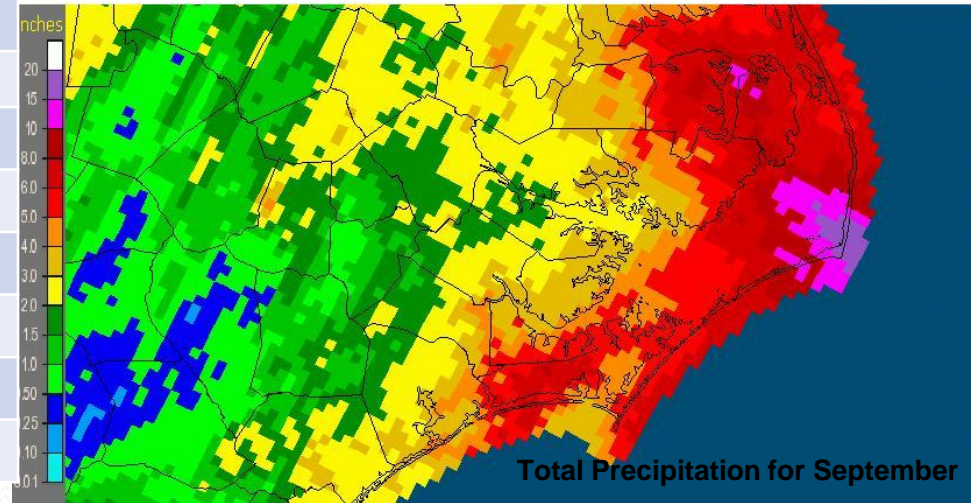
Max and Min Temperature within our CWA

	MAX	MIN
Beaufort	82	38
Cape Hatteras	85	46
New Bern	89	35
Greenville	89	31
Kinston AG	88	31
Williamston	89	33
Plymouth	89	31
Bayboro	88	36

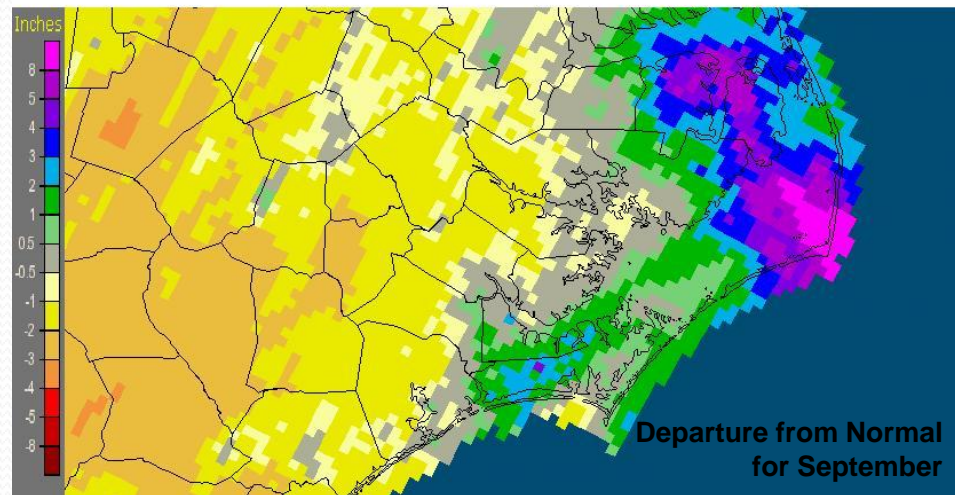
October's Rain versus Normal

	Precipitation (inches)	Normal	Differences
Beaufort	3.82	na	na
Cape Hatteras	9.44	5.38	4.06
New Bern	3.2	3.26	-0.06
Greenville	2.74	3.25	-0.51
Kinston AG	2.77	3.06	-0.29
Williamston	4.43	3.9	0.53
Plymouth	5.09	3.75	1.34
Bayboro	3.51	3.98	-0.47

Newport/Morehead City, NC (MHX): October, 2013 Monthly Observed Precipitation
Valid at 11/1/2013 1200 UTC- Created 11/3/13 21:37 UTC



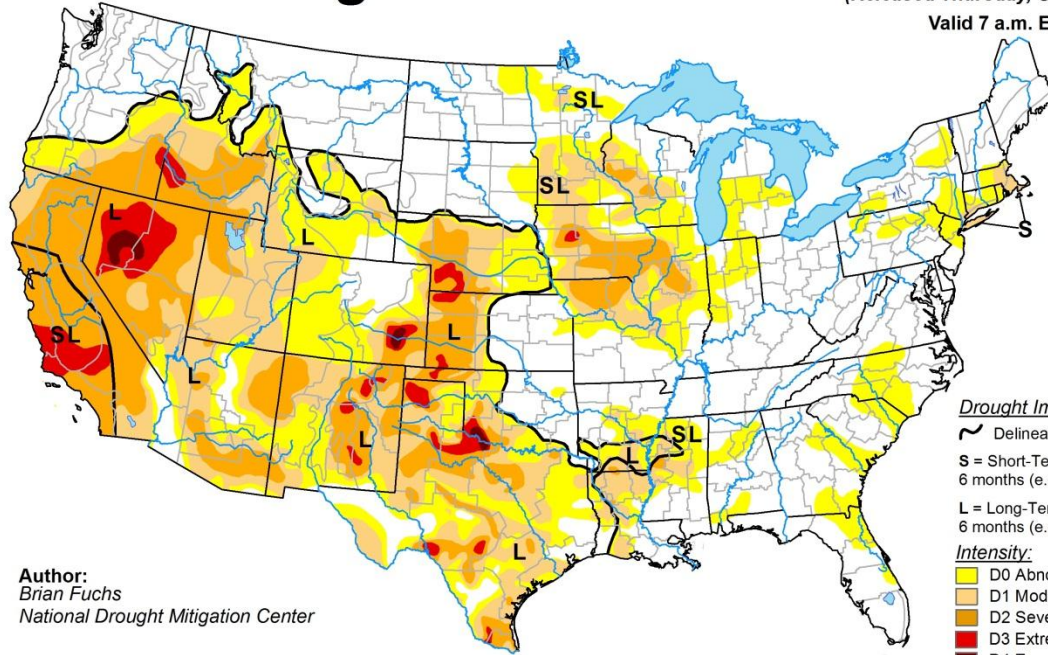
Newport/Morehead City, NC (MHX): October, 2013 Monthly Departure from Normal Precipitation
Valid at 11/1/2013 1200 UTC- Created 11/3/13 21:39 UTC



Rainfall amounts varied throughout the eastern NC with the highest amount of rainfall along the coastal areas. Rainfall range from 2 to 15 inches from a west to east direction.

U.S. Drought Monitor

October 29, 2013
 (Released Thursday, Oct. 31, 2013)
 Valid 7 a.m. EDT



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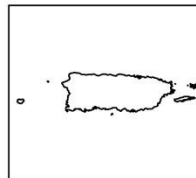
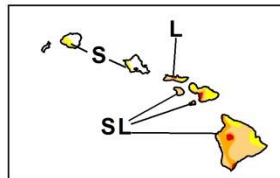
Drought Impact Types:

- ~ Delineates dominant impacts
- S = Short-Term, typically less than 6 months (e.g. agriculture, grasslands)
- L = Long-Term, typically greater than 6 months (e.g. hydrology, ecology)

Intensity:

- Yellow: D0 Abnormally Dry
- Light Orange: D1 Moderate Drought
- Orange: D2 Severe Drought
- Red: D3 Extreme Drought
- Dark Red: D4 Exceptional Drought

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



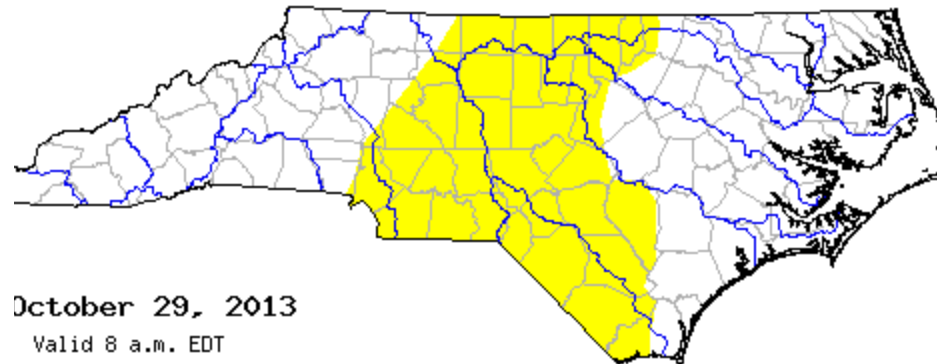
<http://droughtmonitor.unl.edu/>

Before



October 1, 2013
 Valid 8 a.m. EDT

Now



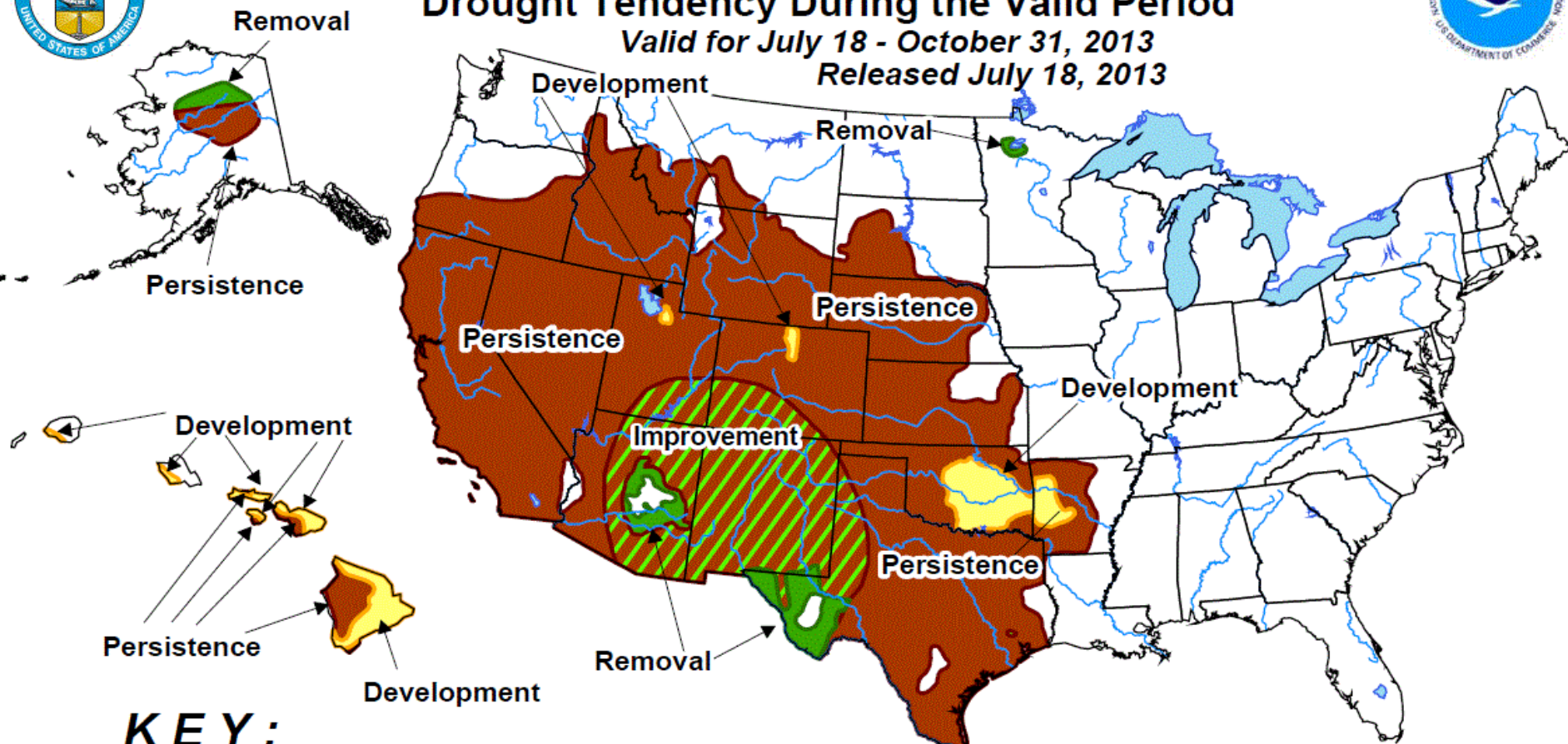
October 29, 2013
 Valid 8 a.m. EDT







U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for July 18 - October 31, 2013
Released July 18, 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)