

Climate Review for the month of October 2014

Presented by:
National Weather Service
Newport/Morehead City

Summary

October was a warm and dry month. Upper level trough returned back to dominate most of the East Coast with a surface high pressure controlling most of the month. Overall, average temperatures were up to 3 degrees above normal with average max temperatures were in the mid to upper 70s and average lows in the low to upper 50s. Rainfall was below normal with a total of 1 to 3 inches for the month when normally eastern NC receives an average of 3 to 5 inches.

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	74.8	na	57.5	na
Cape Hatteras	73.0	72.6	59.1	58.8
New Bern	78.3	74.4	55.3	53.1
Greenville	75.9	73.1	52.4	49.2
Kinston	79.0	77.1	53.9	50.9
Williamston	75.5	72.9	51.5	49.7
Plymouth	76.8	74.5	52.5	51.0
Bayboro	77.9	75.5	51.5	51.7

Average temperatures were 3 degrees above normal.

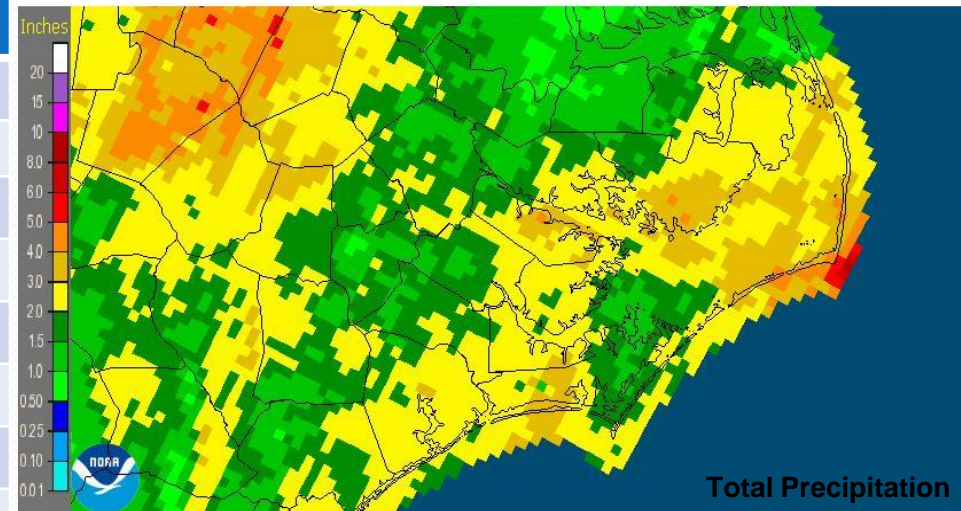
Max and Min Temperature within our CWA.

	MAX	MIN
Beaufort	82	44
Cape Hatteras	82	46
New Bern	90	43
Greenville	88	41
Kinston AG	88	40
Williamston	86	41
Plymouth	88	37
Bayboro	88	39

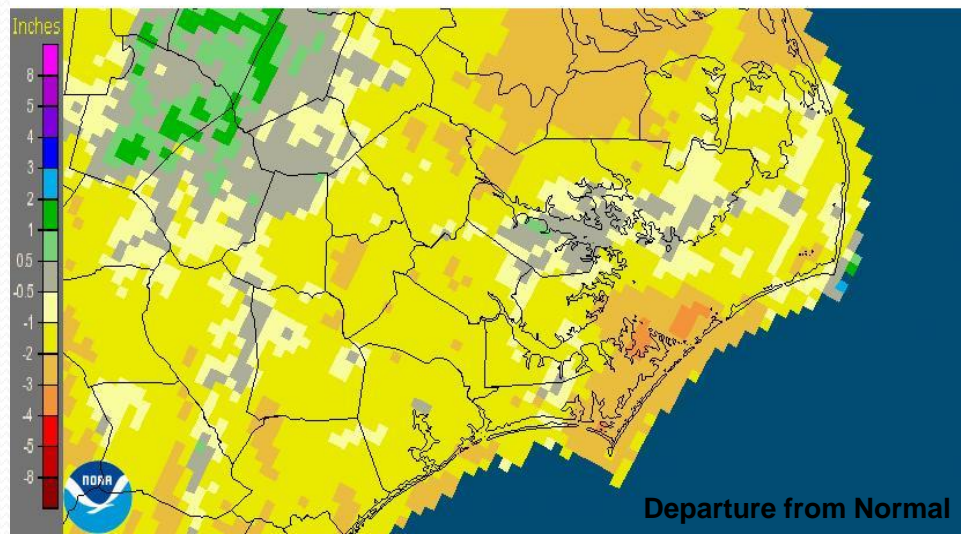
October's Rain versus Climate Normal

	Precipitation (inches)	Normal	Differences
Beaufort	2	na	na
Cape Hatteras	3.23	5.38	-2.15
New Bern	2.33	3.26	-0.93
Greenville	1.6	3.25	-1.65
Kinston	1.44	3.06	-1.62
Williamston	1.38	3.9	-2.52
Plymouth	0.8	3.75	-2.95
Bayboro	2.6	3.98	-1.38

Newport/Morehead City, NC (MHX): October, 2014 Monthly Observed Precipitation
Valid at 11/1/2014 1200 UTC- Created 11/3/14 23:56 UTC



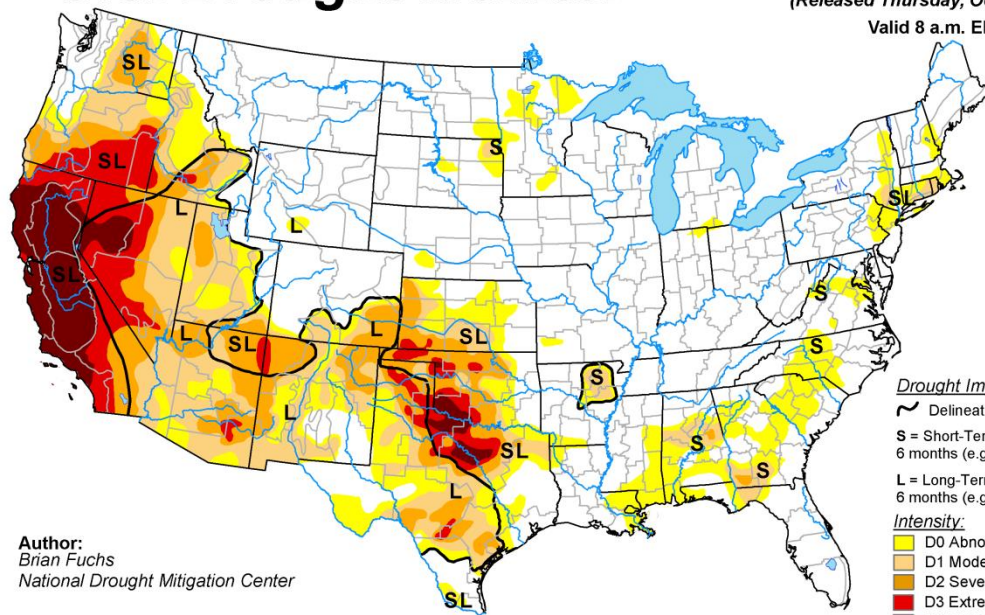
Newport/Morehead City, NC (MHX): October, 2014 Monthly Departure from Normal Precipitation
Valid at 11/1/2014 1200 UTC- Created 11/3/14 23:56 UTC



Very dry month with only 1 to 3 inches for the month. Most of the rain fell on Oct 15-16 when the area had a low pressure system off the coast.

U.S. Drought Monitor

October 28, 2014
 (Released Thursday, Oct. 30, 2014)
 Valid 8 a.m. EDT



Author:
 Brian Fuchs
 National Drought Mitigation Center

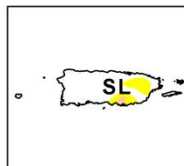
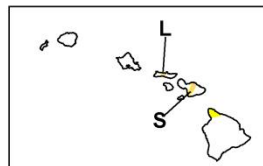
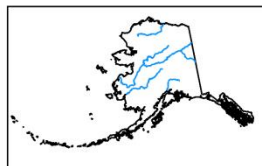
Drought Impact Types:

- ~ 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:

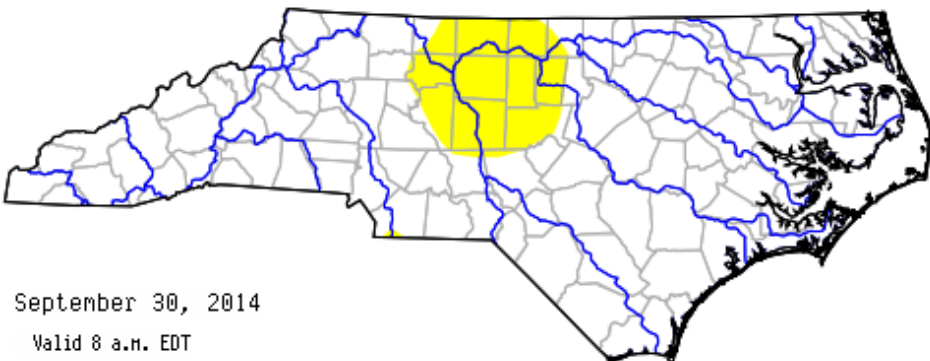
- Yellow: D0 Abnormally Dry
- Light Orange: D1 Moderate Drought
- Orange: D2 Severe Drought
- Red-Orange: D3 Extreme Drought
- Dark Red: D4 Exceptional Drought

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



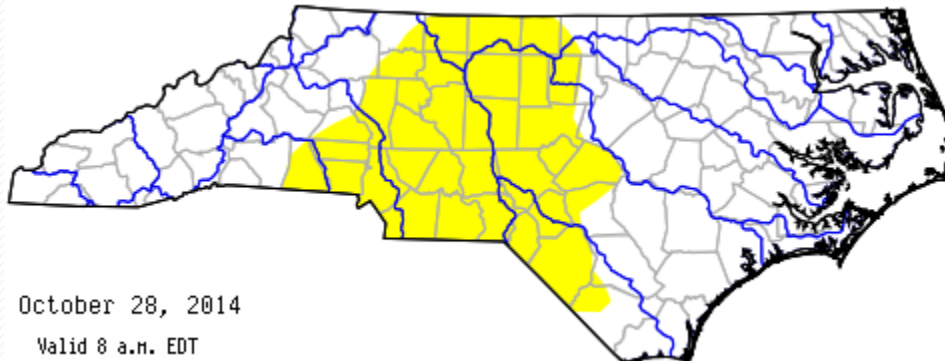
<http://droughtmonitor.unl.edu/>

Before



September 30, 2014
 Valid 8 a.m. EDT

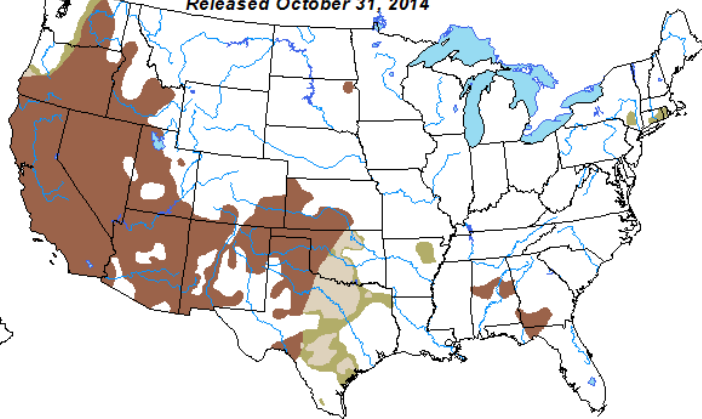
Now



October 28, 2014
 Valid 8 a.m. EDT

U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period
Valid for November 2014
Released October 31, 2014



KEY:

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

Authors: Adam Allgood & David Miskus, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/mdo_summary.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 tan 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)

Monthly Drought Outlook

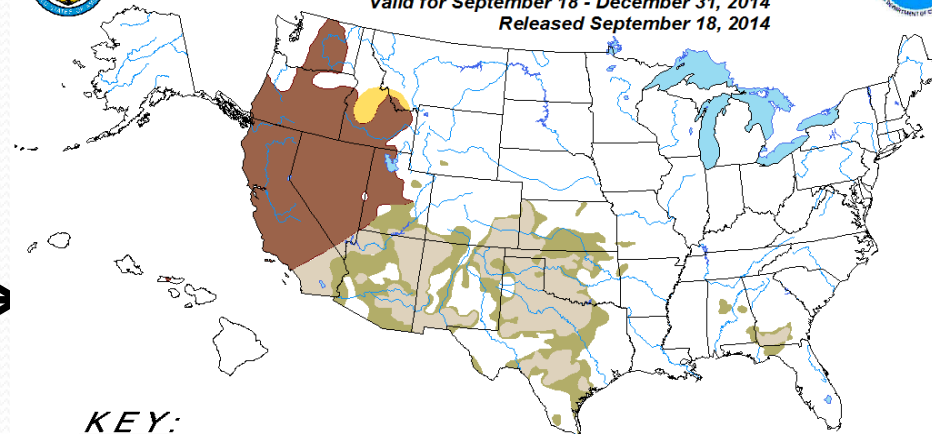


Seasonal Drought Outlook



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period
Valid for September 18 - December 31, 2014
Released September 18, 2014



KEY:

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

Author: Anthony Artusa, Climate Prediction Center, NOAA
http://www.cpc.ncep.noaa.gov/products/expert_assessment/sdo_summary.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 tan area 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)