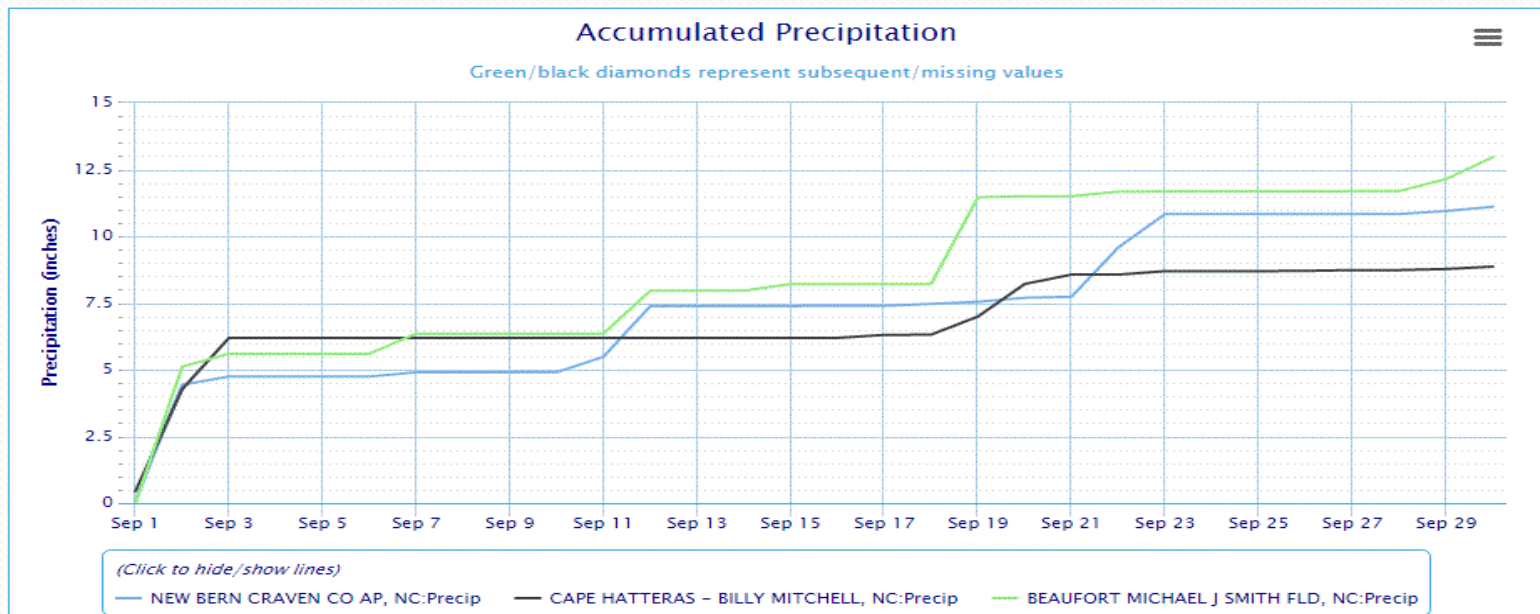


Climate Review for the month September 2016

Presented by:
National Weather Service
Newport/Morehead City

September 2016 Summary

Due primarily to heavy rainfall associated with Tropical Storm Hermine on the 2nd and 3rd of the month, many locations in eastern North Carolina were well above normal in rainfall in September, recording upwards of 15 inches of rain during the month. The other big story in September were the warm temperatures with much of eastern North Carolina 3 to 5 degrees above normal. It was the warmest September on record for Cape Hatteras, and the second warmest at the National Weather Service office in Newport.



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 in September 2016

	Avg_ Max	Avg_Max Normal	Avg_ Min	Avg_Min Normal
Beaufort	84.3	80.9	72.4	68.0
Cape Hatteras	84.3	79.9	72.7	69.0
New Bern	85.0	82.9	69.1	64.9
Greenville	84.8	82.9	68.6	62.9
Kinston	84.5	84.4	66.7	63.6
Williamston	83.5	81.8	68.2	61.1
Plymouth	84.2	82.7	67.9	62.9
Bayboro	83.6	83.2	66.7	63.9

Temperatures were from 3 to 5 degrees above normal across the region during the month of September .

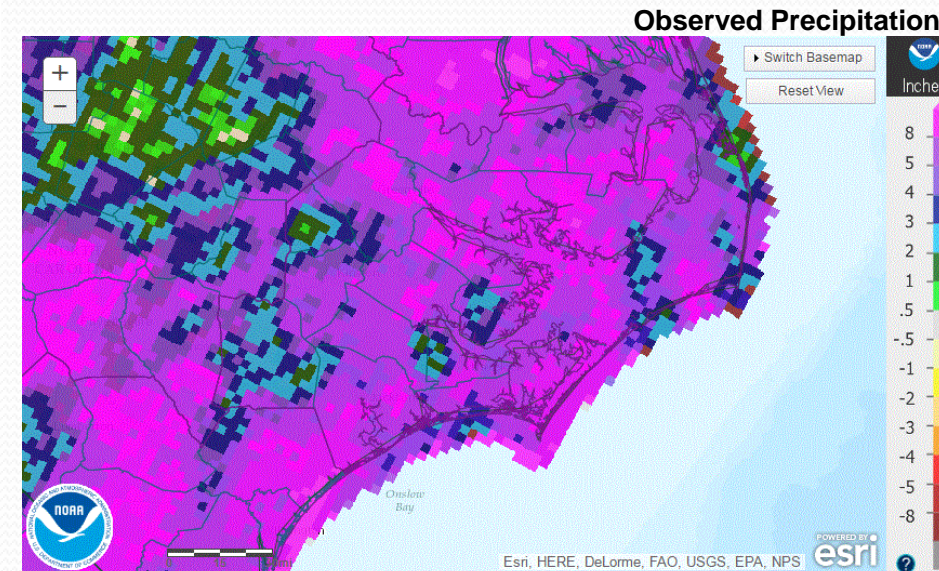
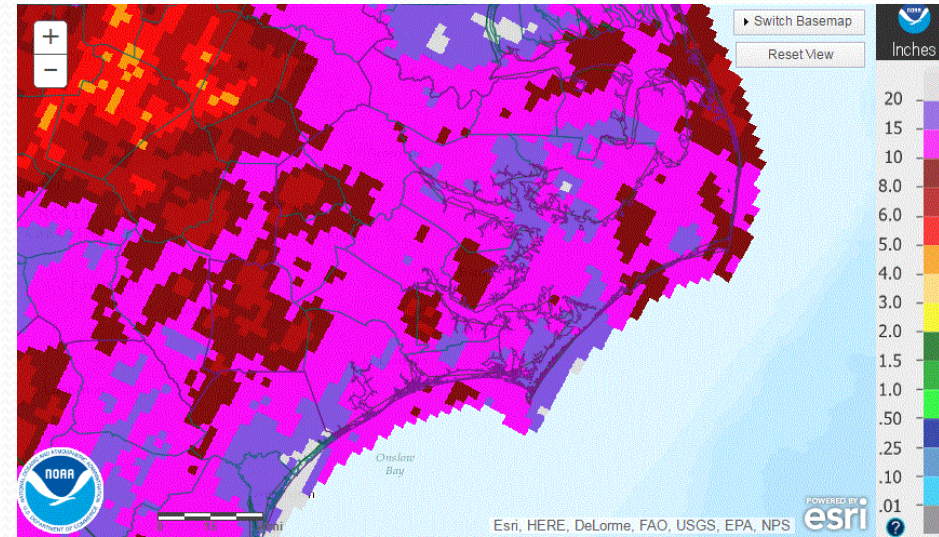
Max and Min Temperature within our CWA in September 2016.

	MAX	MIN
Beaufort	90	65
Cape Hatteras	89	63
New Bern	93	63
Greenville	93	61
Kinston	94	58
Williamston	91	62
Plymouth	91	59
Bayboro	90	59

September 2016 Rain Versus Climate Normal

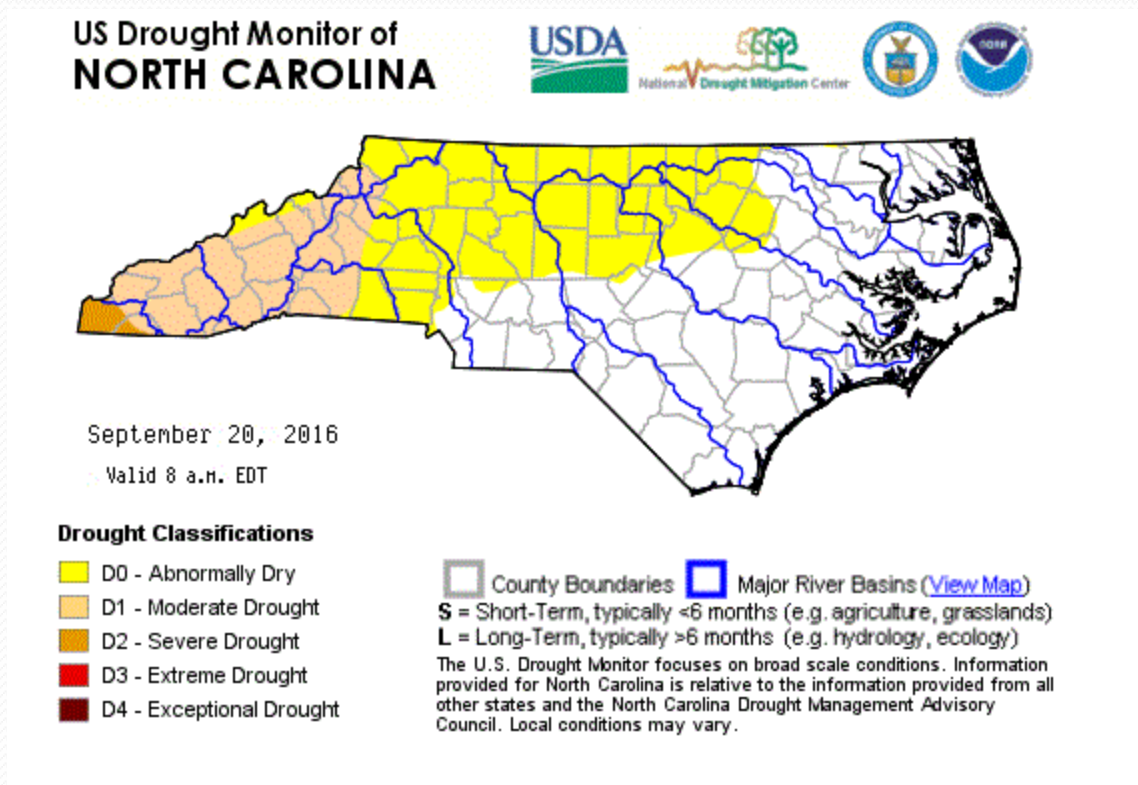
	Precipitation (inches)	Normal	Difference
Beaufort	12.96	5.96	7.00
Cape Hatteras	8.86	6.25	2.61
New Bern	11.10	5.89	5.21
Greenville	13.55	5.83	7.72
Kinston	13.50	5.71	7.79
Williamston	16.30	6.07	10.23
Plymouth	16.32	5.39	10.93
Bayboro	8.31	5.88	2.43

Thanks to heavy rain at the beginning of the month associated with Tropical Storm Hermine, September 2016 was very wet across all of eastern North Carolina, with amounts of 2 up to 10 inches above normal.



Departure From Normal

Latest Drought Monitor for North Carolina



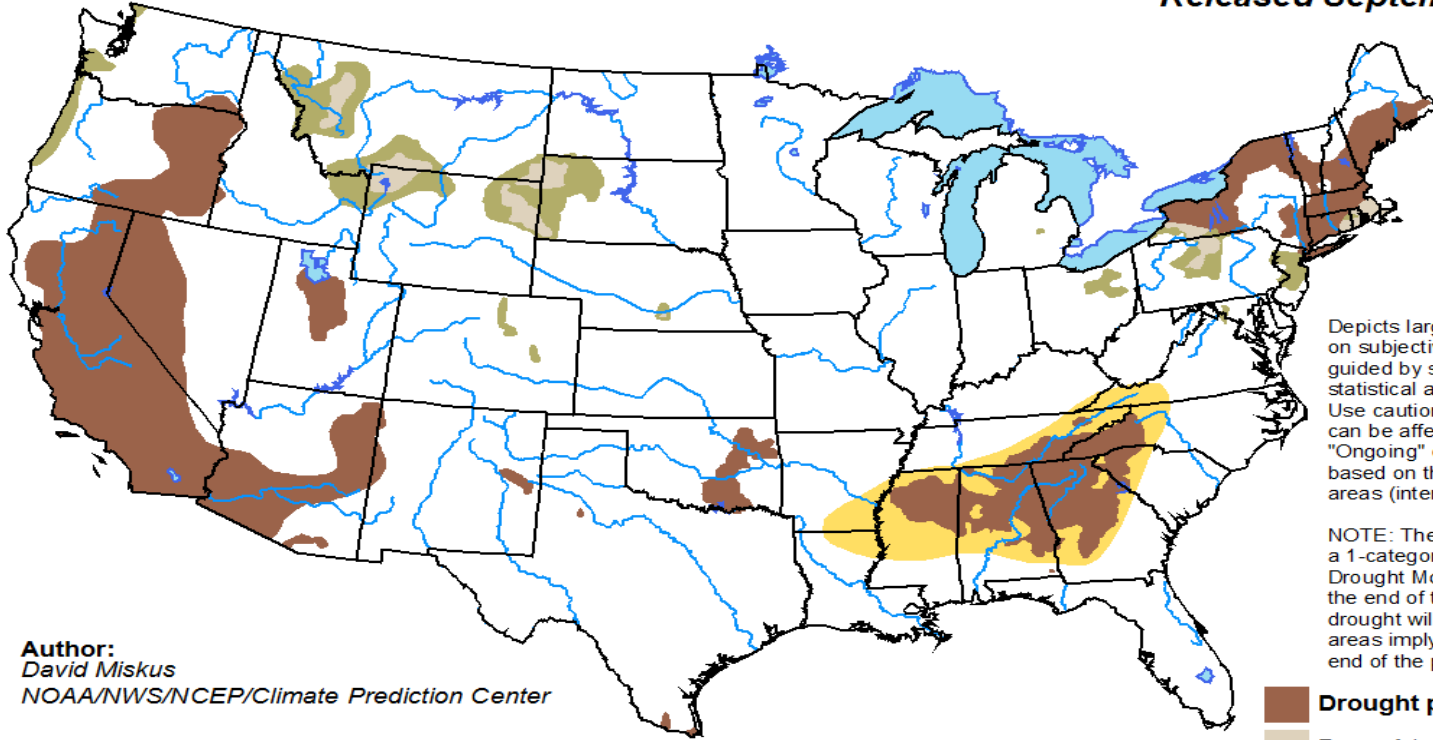
Portions of far western North Carolina continue in the Moderate to Severe drought with abnormally dry conditions along the northern Piedmont.

Monthly Drought Outlook

For October

U.S. Monthly Drought Outlook Drought Tendency During the Valid Period





Valid for October 2016
Released September 30, 2016

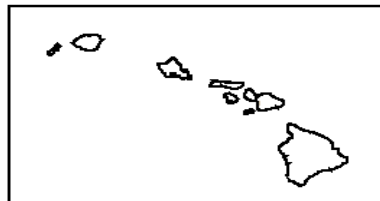
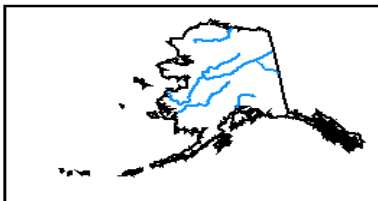


Depicts large-scale trends based on subjectively derived probabilities guided by short- and long-range statistical and dynamical forecasts. Use caution for applications that can be affected by short lived events. "Ongoing" drought areas are based on the U.S. Drought Monitor areas (intensities of D1 to D4).

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).

Author:
David Miskus
NOAA/NWS/NCEP/Climate Prediction Center

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



<http://go.usa.gov/3eZGd>