

Climate Review for the month of October 2015

Presented by:
National Weather Service
Newport/Morehead City

Summary

The heavy rainfall continued from late September into early October as the combination of Hurricane Joaquin moving well offshore and a slow-moving upper low along the Carolina Coast led to several days of heavy rainfall at the beginning of October. Much drier conditions prevailed over the final two-thirds of the month as high pressure controlled the Southeast. For much of eastern North Carolina, it was the second wettest October in the past 30 years. Temperatures were near or a bit above normal of the month.

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 October 2015

| | Avg_ Max | Avg_Max Normal | Avg_ Min | Avg_Min Normal |
|----------------------|----------|----------------|----------|----------------|
| Beaufort | 73.2 | 73.8 | 58.1 | 57.0 |
| Cape Hatteras | 72.1 | 72.0 | 61.0 | 59.7 |
| New Bern | 74.2 | 74.7 | 55.2 | 53.5 |
| Greenville | 72.7 | 73.8 | 52.5 | 50.6 |
| Williamston | 72.5 | 73.3 | 53.4 | 49.4 |
| Plymouth | 74.1 | 74.5 | 54.2 | 51.9 |
| Bayboro | 74.4 | 75.1 | 54.8 | 52.3 |
| | | | | |

Temperatures were generally near or above normal, especially minimum temperatures during October 2015.

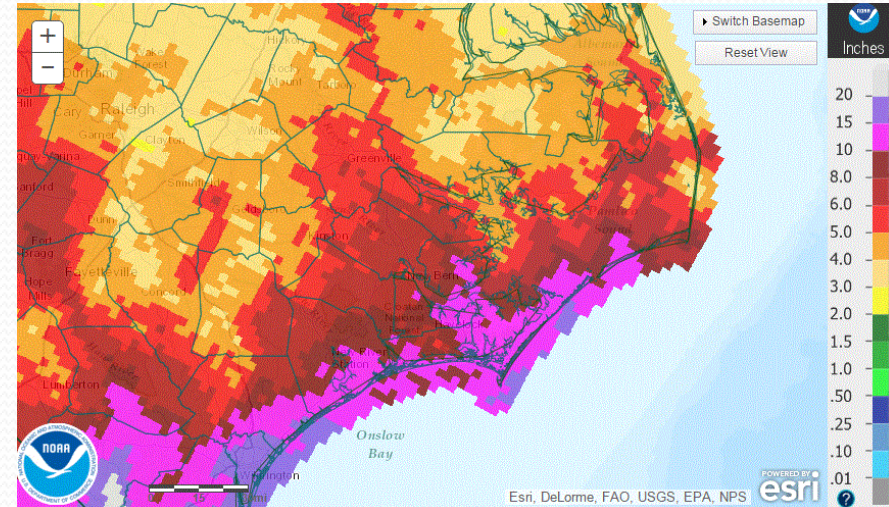
Max and Min Temperature within our CWA in October 2015.

| | MAX | MIN |
|---------------|-----|-----|
| Beaufort | 83 | 42 |
| Cape Hatteras | 80 | 50 |
| New Bern | 84 | 37 |
| Greenville | 84 | 34 |
| Williamston | 84 | 38 |
| Plymouth | 84 | 34 |
| Bayboro | 86 | 37 |

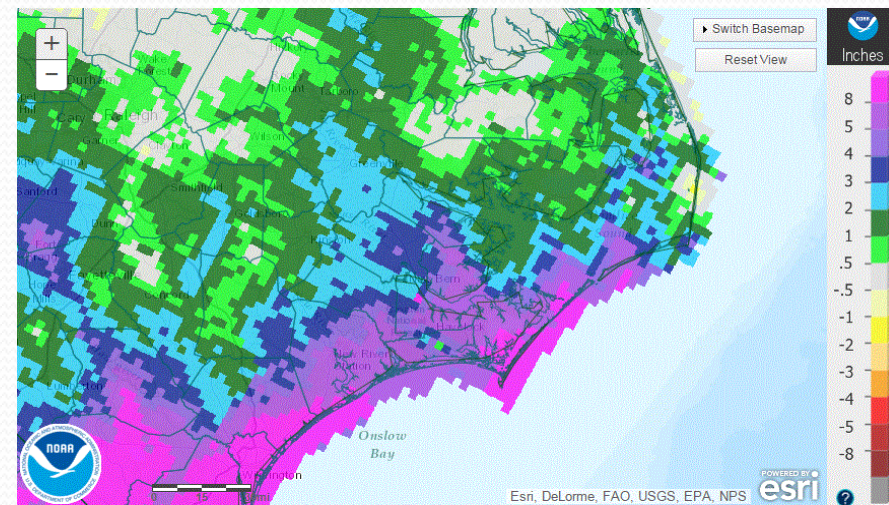
October 2015 Rain versus Climate Normal

| | Precipitation (inches) | Normal | Difference |
|---------------|------------------------|--------|------------|
| Beaufort | 9.69 | 3.88 | 5.81 |
| Cape Hatteras | 7.39 | 5.38 | 2.01 |
| New Bern | 6.02 | 3.26 | 2.76 |
| Greenville | 6.98 | 3.25 | 3.73 |
| Williamston | 7.26 | 3.90 | 3.36 |
| Plymouth | 6.39 | 3.75 | 2.64 |
| Bayboro | 8.65 | 3.98 | 4.67 |

Heavy rainfall continued into early October and rainfall totals were well above normal area-wide, with the heaviest rain along the coast. Drier conditions prevailed over the final two-thirds of October.



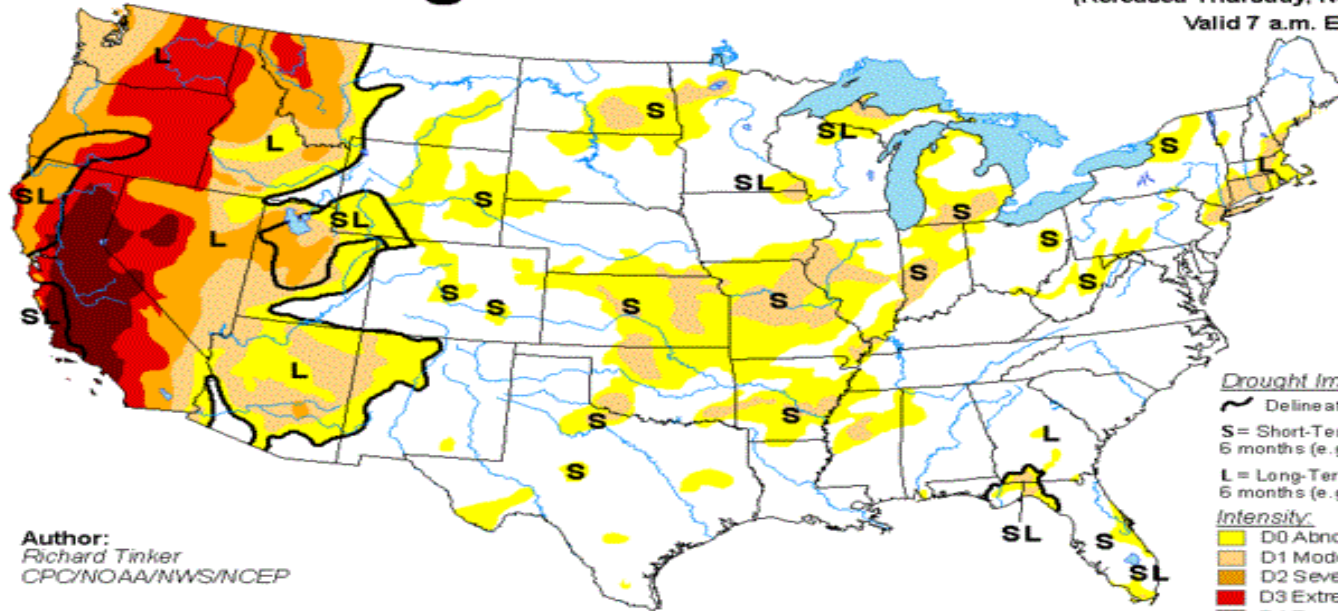
Observed Precipitation



Departure from Normal

U.S. Drought Monitor

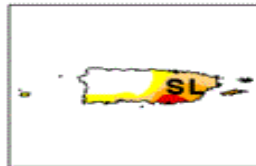
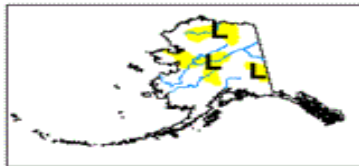
November 10, 2015
 (Released Thursday, Nov. 12, 2015)
 Valid 7 a.m. EST



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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/>

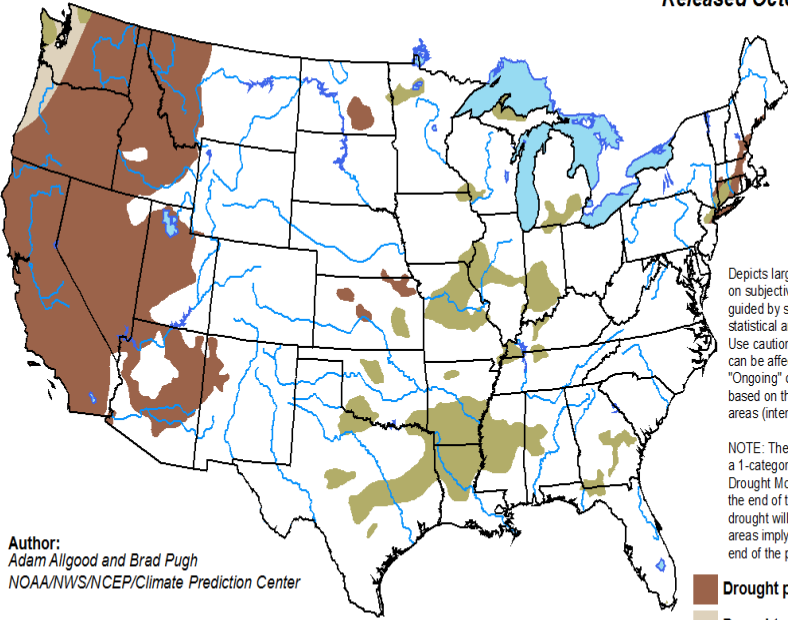
Current NC Drought Update



U.S. Monthly Drought Outlook

Drought Tendency During the Valid Period

Valid for November 2015
Released October 31, 2015



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).

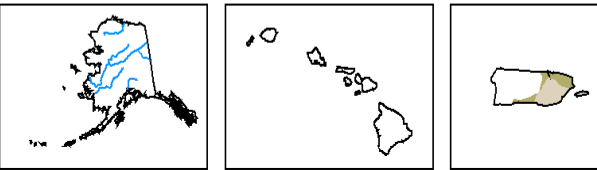
NOTE: The tan areas imply at least a 1-category improvement in the Drought Monitor intensity levels by the end of the period, although drought will remain. The green areas imply drought removal by the end of the period (D0 or none).

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



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

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Seasonal Drought Outlook



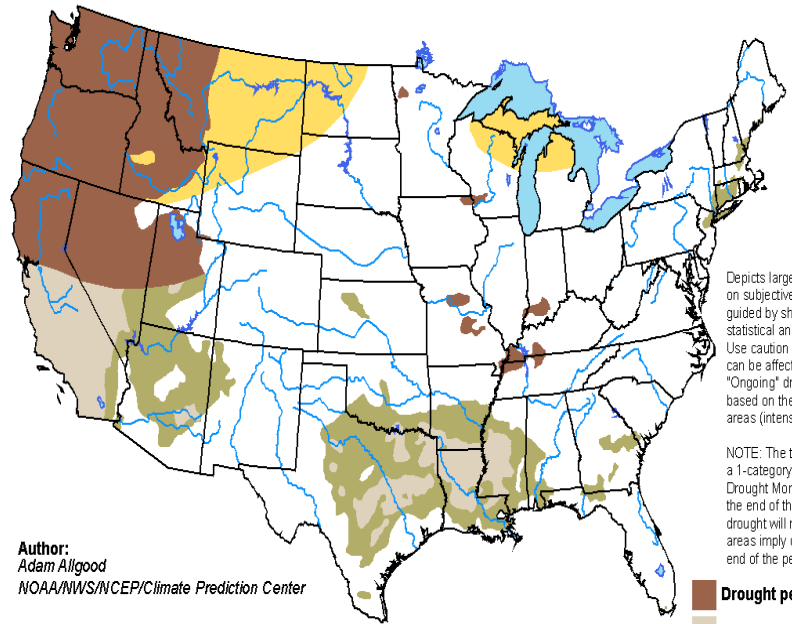
Monthly Drought Outlook



U.S. Seasonal Drought Outlook

Drought Tendency During the Valid Period

Valid for October 15 - January 31, 2016
Released October 15, 2015



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).

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



<http://go.usa.gov/3eZ73>

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