

NORTH CAROLINA
**Drought Management
Advisory Council**

<http://www.ncdrought.org>

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North Carolina Drought Management Advisory Council Annual Meeting

April 6, 2017

Linwood Peele
NC Division of Water Resources

Yearly In-Person Meeting

§ 143-355.1. Drought Management Advisory Council; drought advisories. (d) *The Department shall designate an employee of the Department to serve as Chair of the Council. **The Council shall meet at least once in each calendar year in order to maintain appropriate agency readiness and participation.** In addition, the Council shall meet on the call of the Chair to respond to drought conditions. The provisions of Article 33C of this Chapter apply to meetings of the Council.*

NCDMAC Assessment Process

§143.355.1 Drought Management Advisory Council

- To improve coordination among local, State, and federal agencies; public water systems, and water users to improve the management and mitigation of the harmful effects of drought.
- To provide consistent and accurate information on drought conditions in the State to the U.S. Drought Monitor, the Environmental Management Commission, the Secretary, the Environmental Review Commission, and the public.
- The Council shall consider **stream flows, ground water levels, the amount of water stored in reservoirs, weather forecasts, the time of year, and other factors** that are relevant to determining the location and severity of drought conditions.
- Other factors such as **precipitation, temperature, soil moisture, agricultural conditions, forestry conditions, wildlife conditions, water demand, water restrictions, on the ground reports, etc.**

NCDMAC Assessment Process

Weekly Telecom Agenda

Weather & Climate

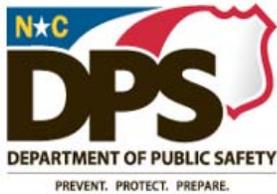
- Recent rainfall / Weather & CoCoRaHS Monitoring Reports – SCO
- Short / Long Range Forecast – NWS

Water Resources & Impacts

- Streamflow / Groundwater – USGS
- Reservoir levels – USACE, Duke Energy, TVA, Cube Hydro-Yadkin, etc.
- Forestry – NCFS
- Agriculture – Cooperative Extension/NCDA&CS
- Water supply status, water restrictions, etc. – DWR-PWSS/WSPB
- Water Quality – DWR-WSS
- Wildlife – NCWRC
- Other Agencies – NCDEM, NCUC, etc.
- Recommendations to US Drought Author

NCDMAC Membership

- Organizations invited to serve on the Council:



Public Staff
Water and Sewer Division



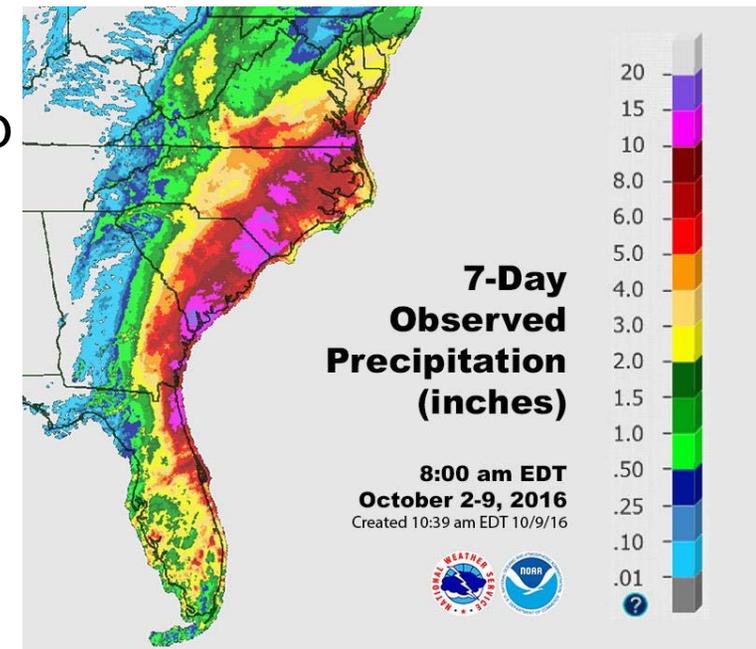
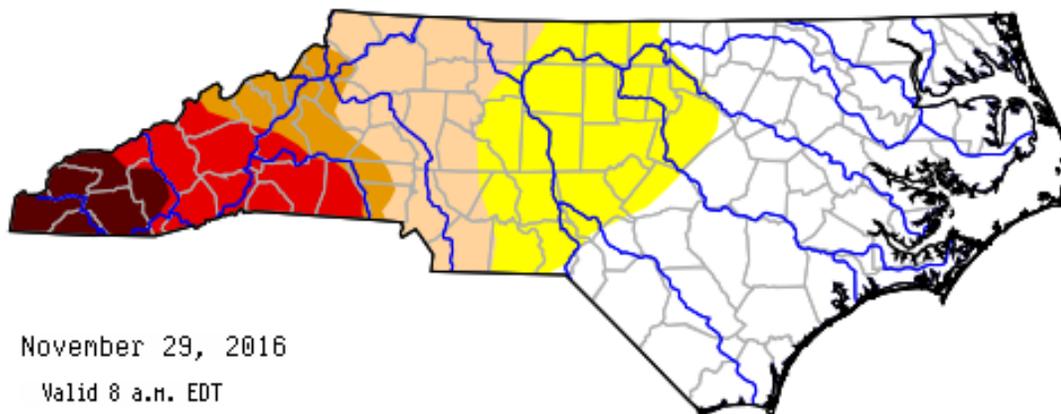
US Army Corps
of Engineers®



FEMA

Council Highlights

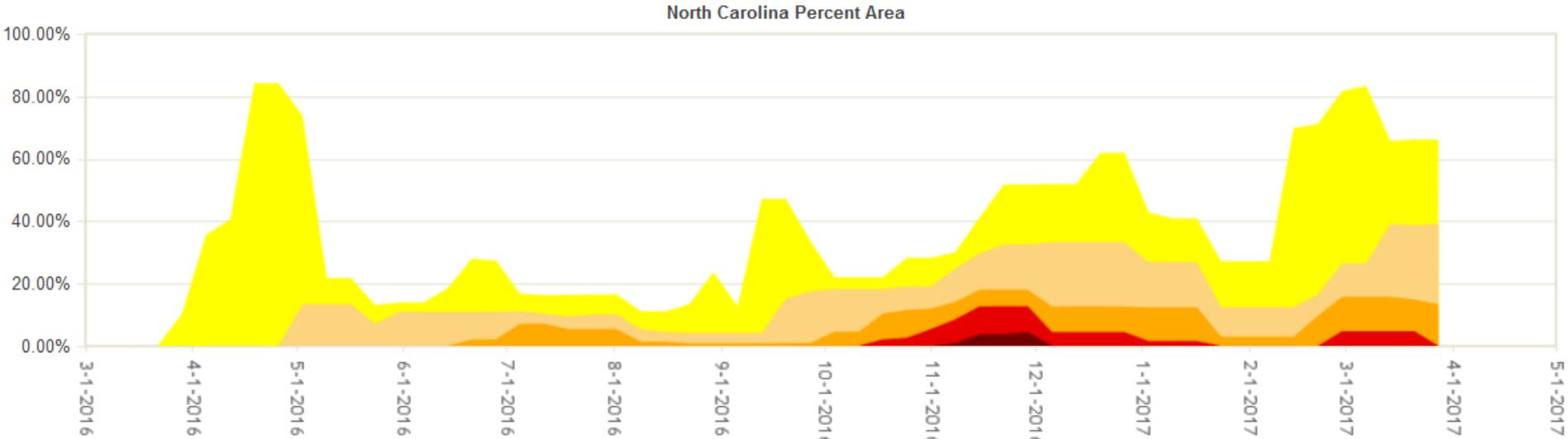
- Special Agriculture Focused Meeting (Cooperative Extension, USDA-Farm Service Agency & NCDA&CS)
- Conference Call with Charlotte-area Meteorologists
- Extremes in Temperatures & Precipitation
- “Mixed” Indicator Signals
- NCDMAC Map deviating from USDM Map



2016-2107: Overview

U.S. Drought Monitor Statistics Graph

State: Fill area: Show series: D0: D1: D2: D3: D4: Legend



To zoom in, click and drag the cursor. To return to the full time series, double-click anywhere in the chart.

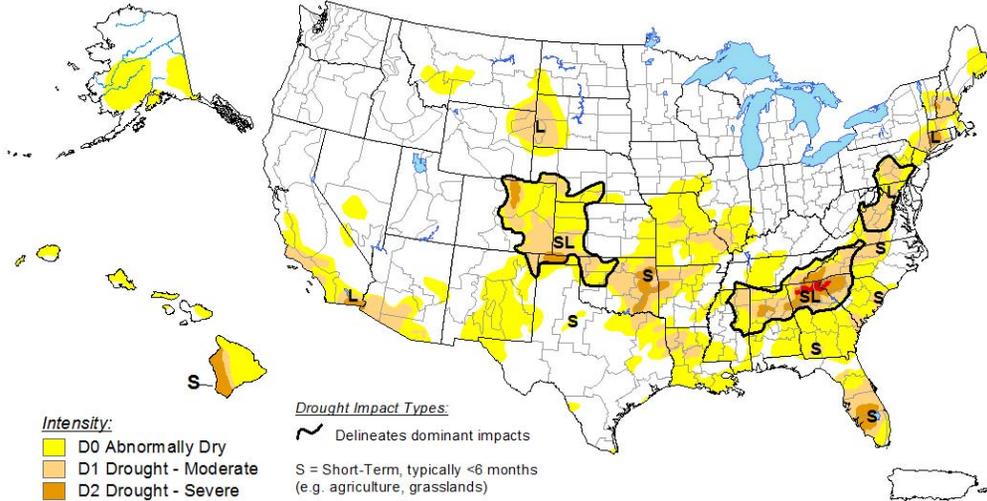
Export Graph

- D0-D4
- D1-D4
- D2-D4
- D3-D4
- D4

This Week's Assessment

U.S. Drought Monitor

April 4, 2017
Valid 7 a.m. EST



- 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)

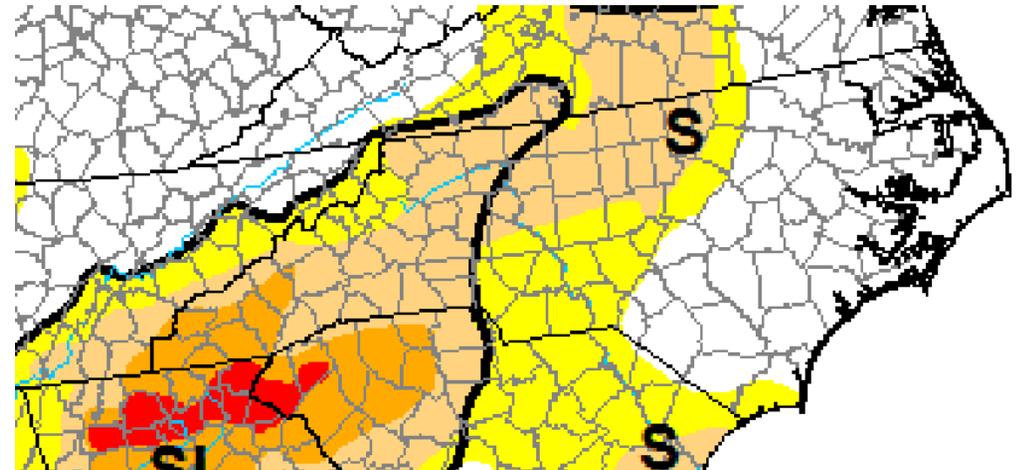
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

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



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