

North Carolina Drought Management Advisory Council Annual Meeting

April 4, 2019

Klaus Albertin
NC Division of Water Resources
Chair, NC Drought Management Advisory Council

**§ 143-355.1.(d) Drought Management Advisory Council;
drought advisories.**

*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.*

Partners Organizations



Public Staff
Water and Sewer Division



US Army Corps
of Engineers®



FEMA

Agenda

- **(10:00 AM) Introductions:** Klaus Albertin, Chairman, Drought Management Advisory Council
- **(10:05 AM) Opening Remarks:** John Nicholson, Chief Deputy Secretary, NC Environmental Quality
- **(10:10AM) Welcome:** David Smith, Chief Deputy Commissioner, NC Agriculture & Consumer Services

- **(10:15 – 11:25 AM) Drought Assessment Reports**

- **(11:25 AM) Wrap Up**
- **(11:30 PM) Adjourn**

§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, precipitation, time of year, and other factors** that are relevant to determining the location and severity of drought conditions.
- Other factors include **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
 - 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

Agenda

INTRODUCTIONS

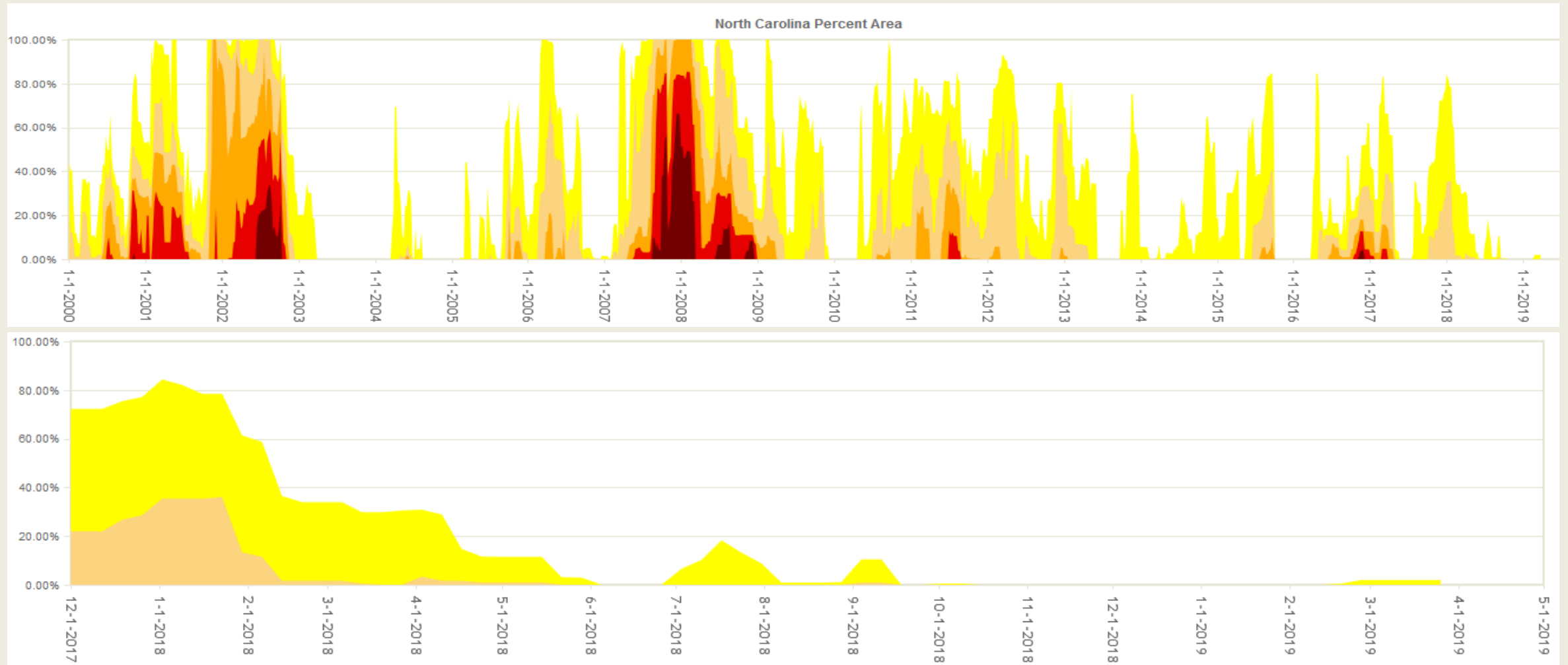
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PRESENTATIONS

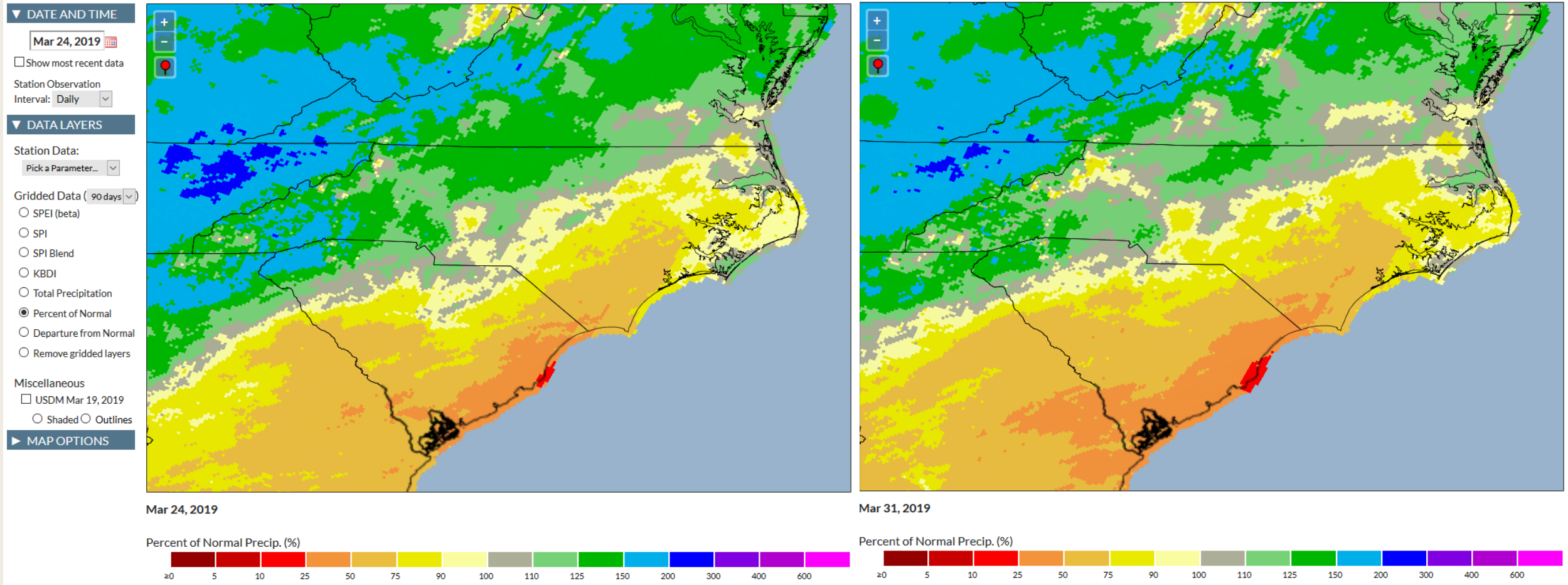
- **(10:15AM) Drought Assessment Reports**
- Climate Overview: Corey Davis, State Climate Office
- Weather - Short and Long-Term Forecast: Kathleen Carroll, National Weather Service
- Groundwater: Nat Wilson, Division of Water Resources
- Streamflow: Curtis Weaver, U.S. Geological Survey
- Reservoirs: Ed Bruce, Duke Energy; Linwood Peele for Tony Young, USACE and Gary Springston, TVA; Tim Poole, Cube Hydro
- Forest Resources: Cabe Speary, NC Forest Services
- Agriculture: Mike Yoder, Cooperative Extension Service, NCSU

- **(11:15AM) Wrap Up:** Klaus Albertin, DMAC
- **(11:30PM) Adjourn**

U.S. Drought Monitor Statistics

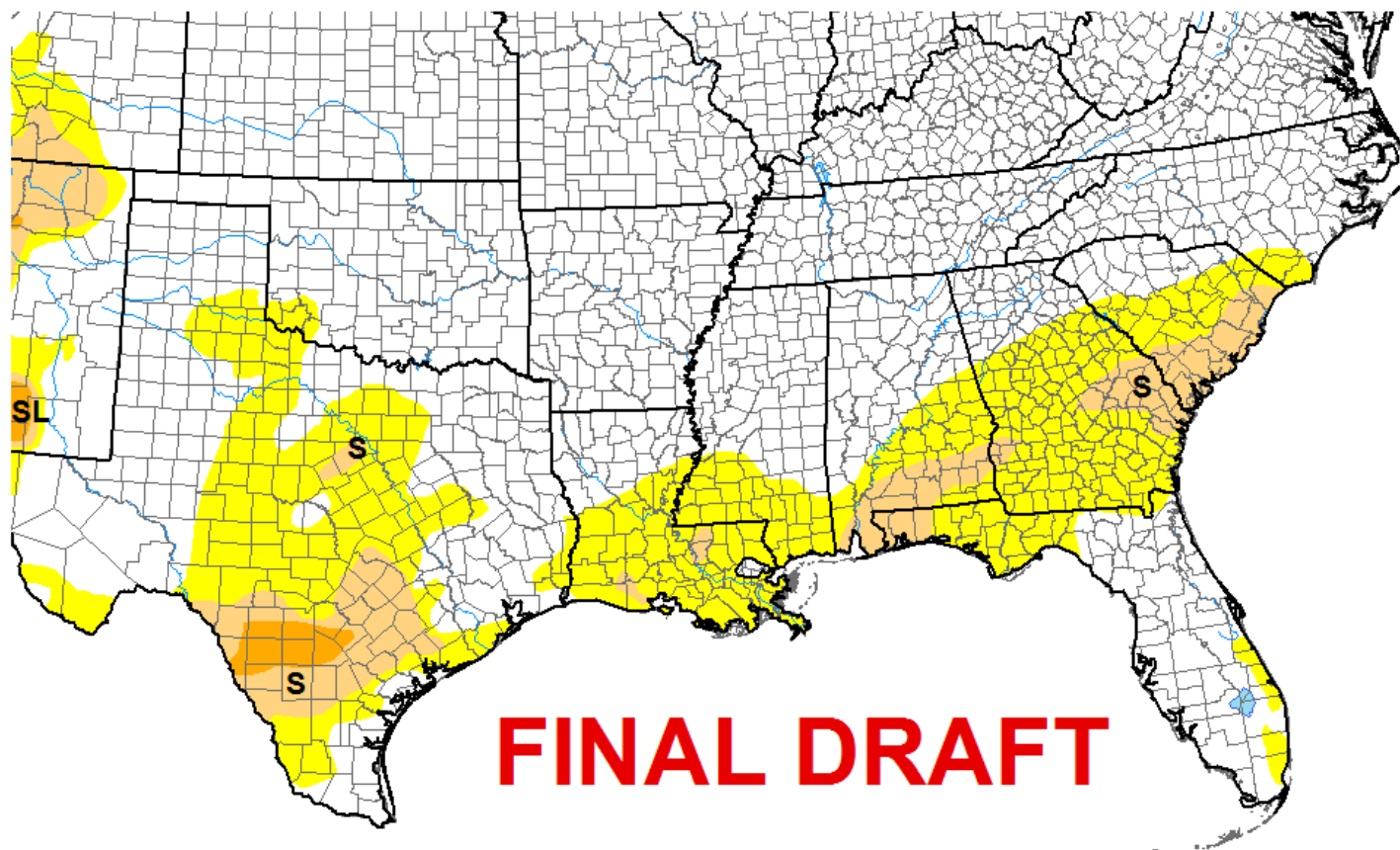


This Week's Conditions








U.S. Drought Monitor


April 2, 2019
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)



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