

# North Carolina Drought Management Advisory Council Annual Meeting

September 21, 2023

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.*

# Agenda

## INTRODUCTIONS

- **(1:00 PM) Introductions:** Klaus Albertin, Chair, Drought Management Advisory Council
- **(1:05 PM) Opening Remarks:** Tim Watkins, Chief Deputy Secretary, NC Environmental Quality
- **(1:10PM) Welcome:** David Smith, Chief Deputy Commissioner, NC Agriculture & Consumer Services

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## PRESENTATIONS

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- **(1:15 PM) Drought Assessment Reports**
  - Climate Overview: Corey Davis, State Climate Office
  - Weather - Short and Long-Term Forecast: Barrett Smith, National Weather Service
  - Groundwater - Mark Durway, Division of Water Resources
  - Streamflow: Curtis Weaver, U.S. Geological Survey
  - Reservoirs: Tony Young, USACE, Linwood Peele, Division of Water Resources presenting for Duke Energy, TVA, and Cube Hydro
  - Forest Resources: Jamie Dunbar, NC Forest Services
  - Agriculture: Mike Yoder, Cooperative Extension Service, NCSU
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- **(3:15 PM) Wrap Up:** Klaus Albertin, DMAC
  - **(3:30 PM) End of Official DMAC Meeting**

## **§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.**

# Partners Organizations



Public Staff  
Water and Sewer Division



US Army Corps  
of Engineers®



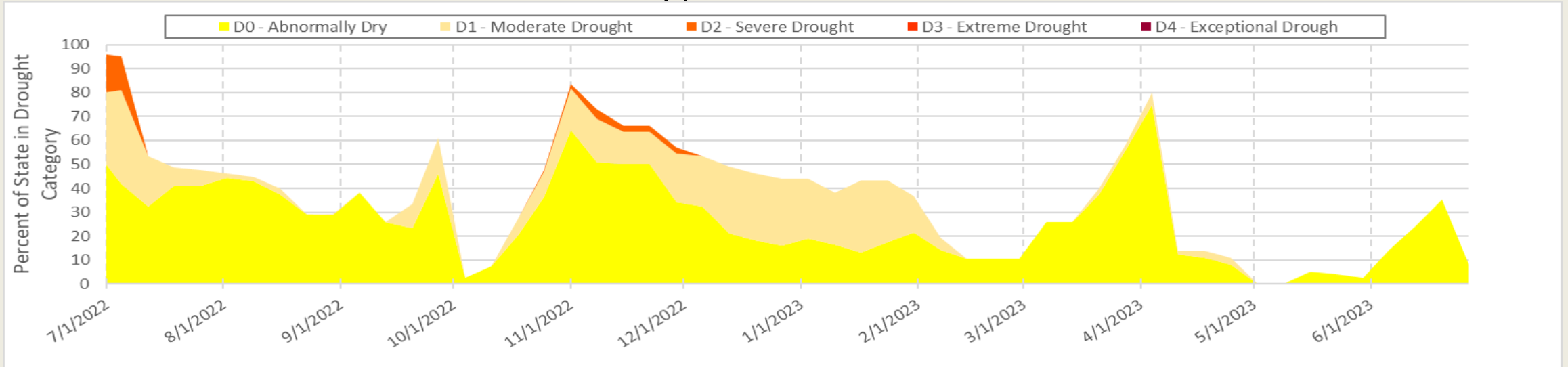
FEMA



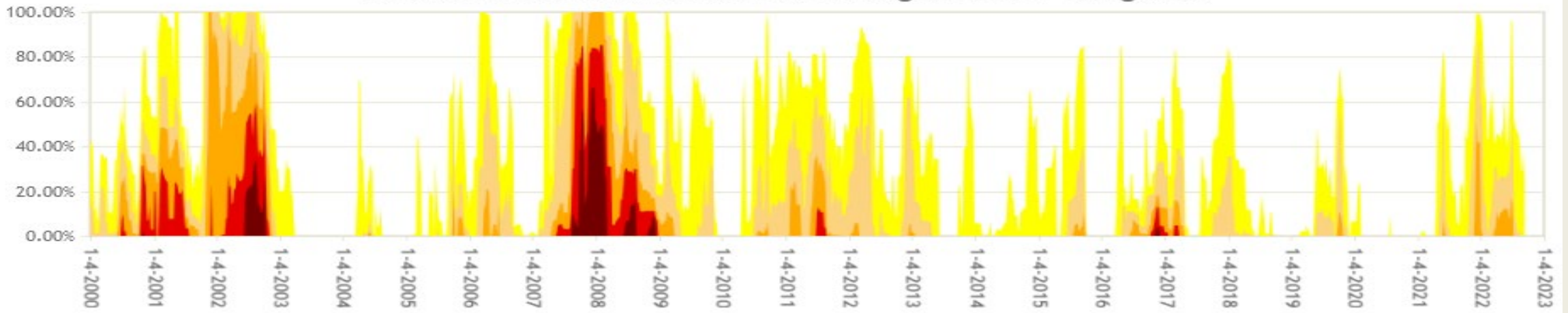
# NCDMAC Assessment Process

- 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

## *U.S. Drought Monitor Statistics*



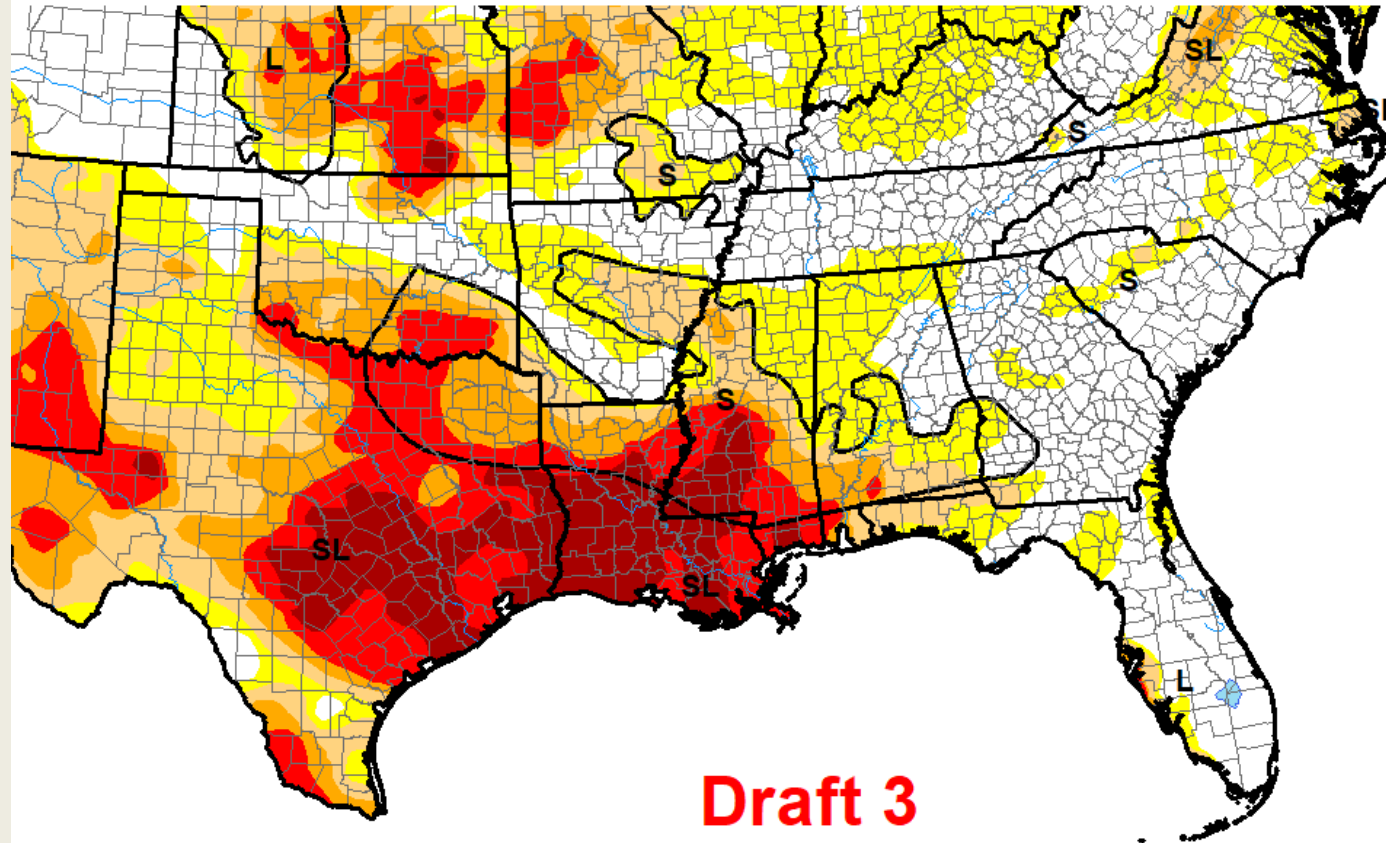
### North Carolina Percent Area in U.S. Drought Monitor Categories



# U.S. Drought Monitor

September 19, 2023

Valid 8 a.m. EDT



**Draft 3**

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. agricultural, grasslands)
- L = Long-term, typically >6 months  
(e.g. hydrological, ecology)
- (No type = Both impacts)



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NORTH CAROLINA  
**Drought Management  
Advisory Council**



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