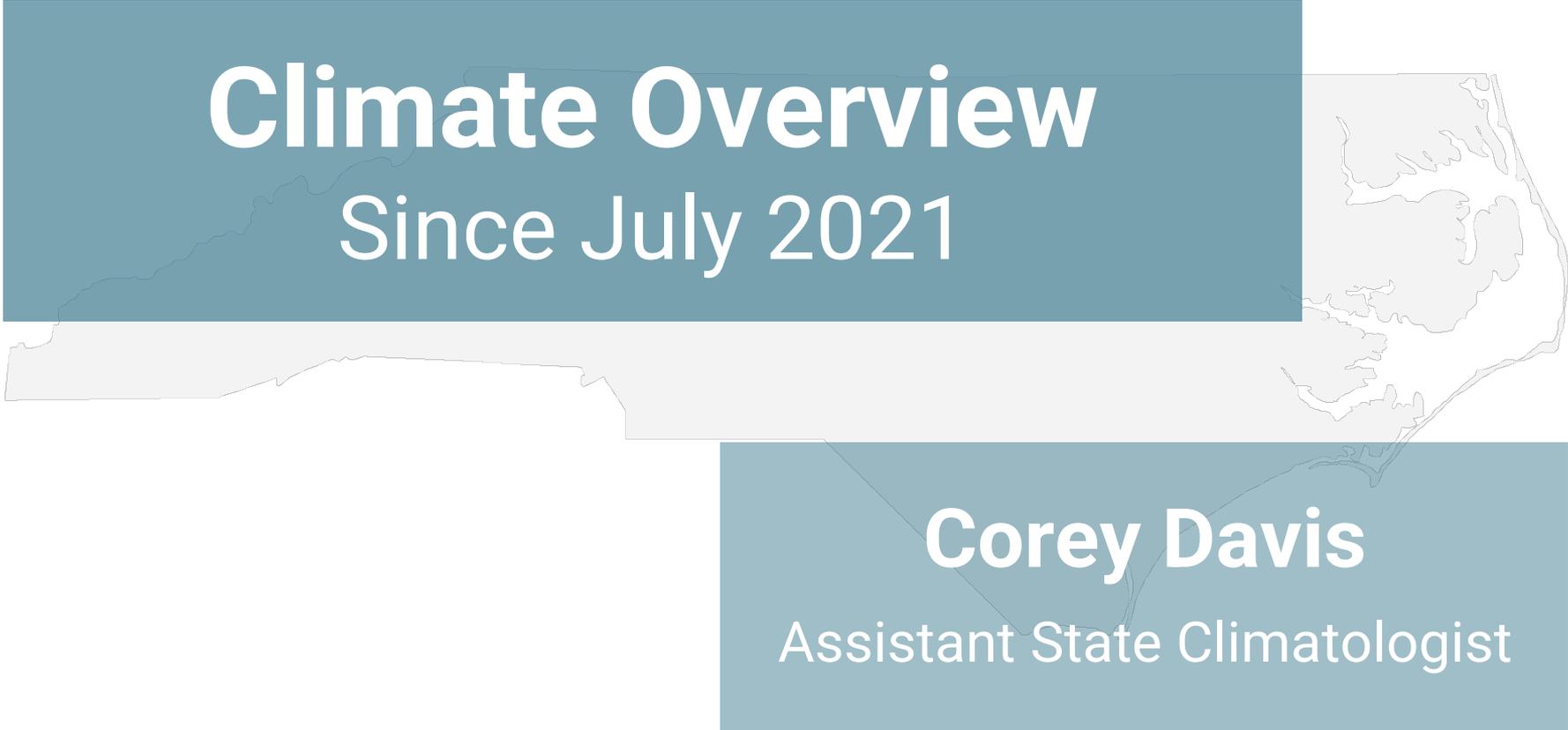


Climate Overview

Since July 2021

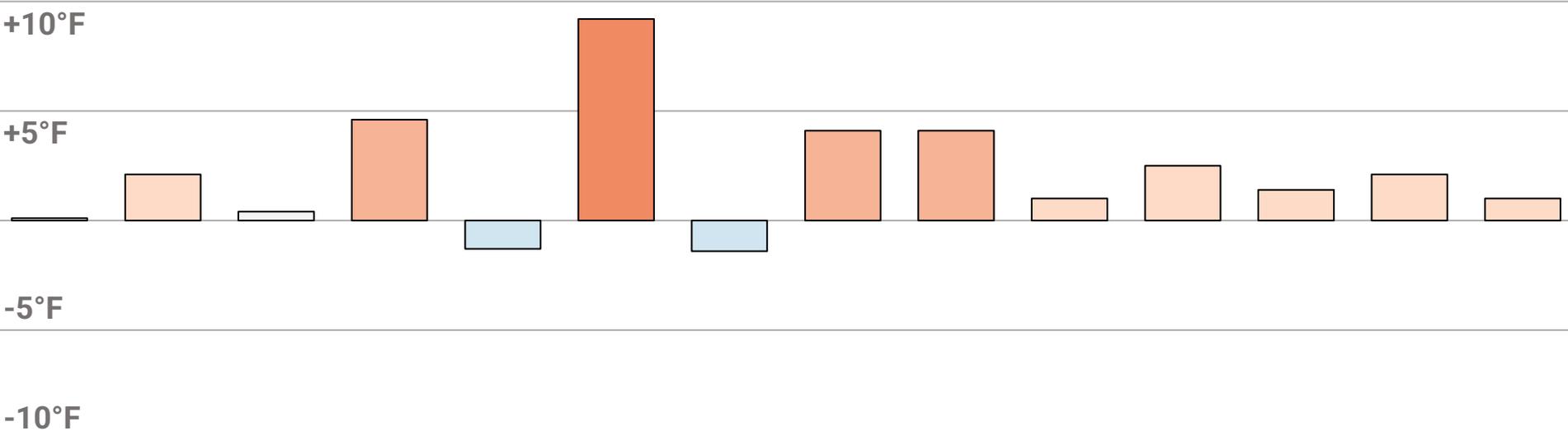
A stylized map of North Carolina is shown in the background, rendered in a light gray color. The map is partially obscured by a dark teal horizontal bar at the top and another dark teal horizontal bar at the bottom. The text 'Climate Overview Since July 2021' is overlaid on the top bar, and 'Corey Davis Assistant State Climatologist' is overlaid on the bottom bar.

Corey Davis
Assistant State Climatologist



Monthly Statewide Temperatures

Jul 2021	Aug	Sep	Oct	Nov	Dec	Jan 2022	Feb	Mar	Apr	May	Jun	Jul	Aug
68th COOLEST	14th WARMEST	55th WARMEST	7th WARMEST	42nd COOLEST	2nd WARMEST	49th COOLEST	19th WARMEST	19th WARMEST	44th WARMEST	19th WARMEST	31st WARMEST	14th WARMEST	45th WARMEST

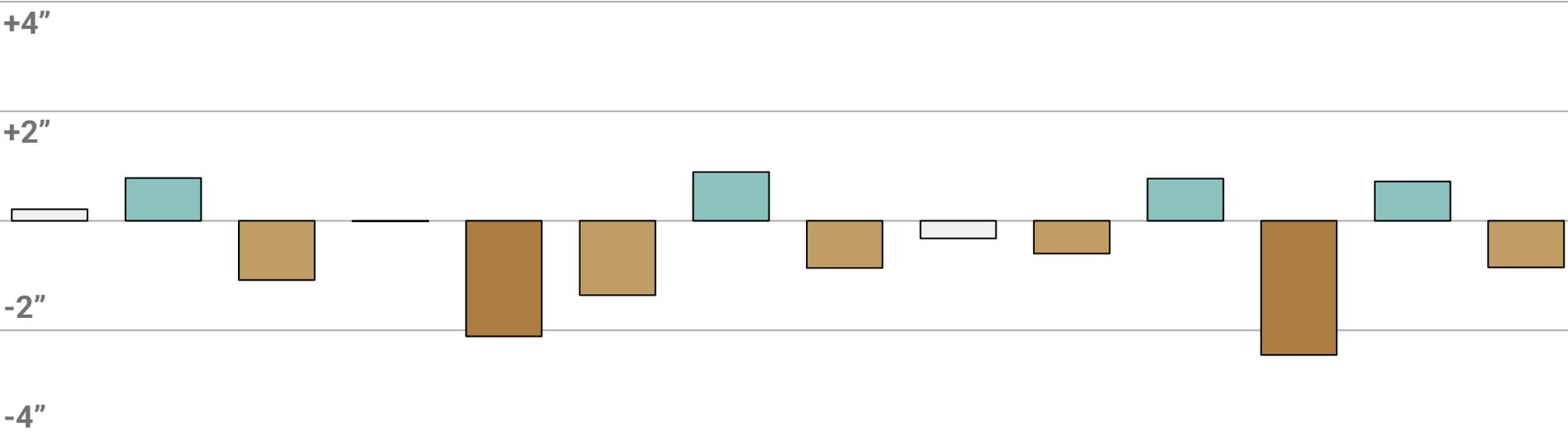


Departures compared to 1901 to 2000

Rankings based on data since 1895

Monthly Statewide Precipitation

Jul 2021	Aug	Sep	Oct	Nov	Dec	Jan 2022	Feb	Mar	Apr	May	Jun	Jul	Aug
51st WETTEST	35th WETTEST	44th DRIEST	63rd WETTEST	6th DRIEST	20th DRIEST	29th WETTEST	39th DRIEST	58th DRIEST	36th DRIEST	37th WETTEST	3rd DRIEST	34th WETTEST	47th DRIEST



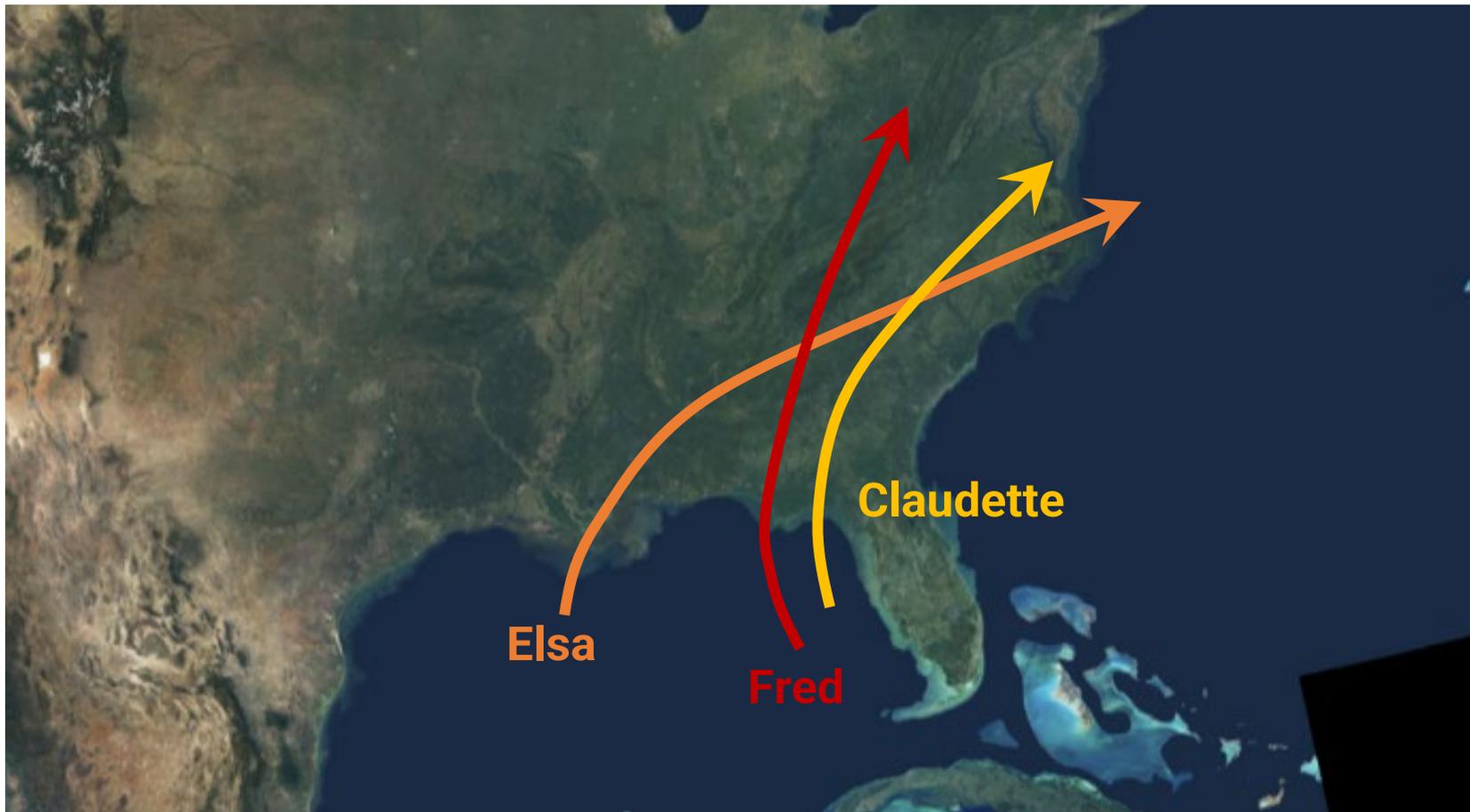
Departures compared to 1901 to 2000

Rankings based on data since 1895

Summer 2021 (JJA)

37th
WARMEST

21st
WETTEST



Tropical Storm Fred



Broad River on August 17, 2021

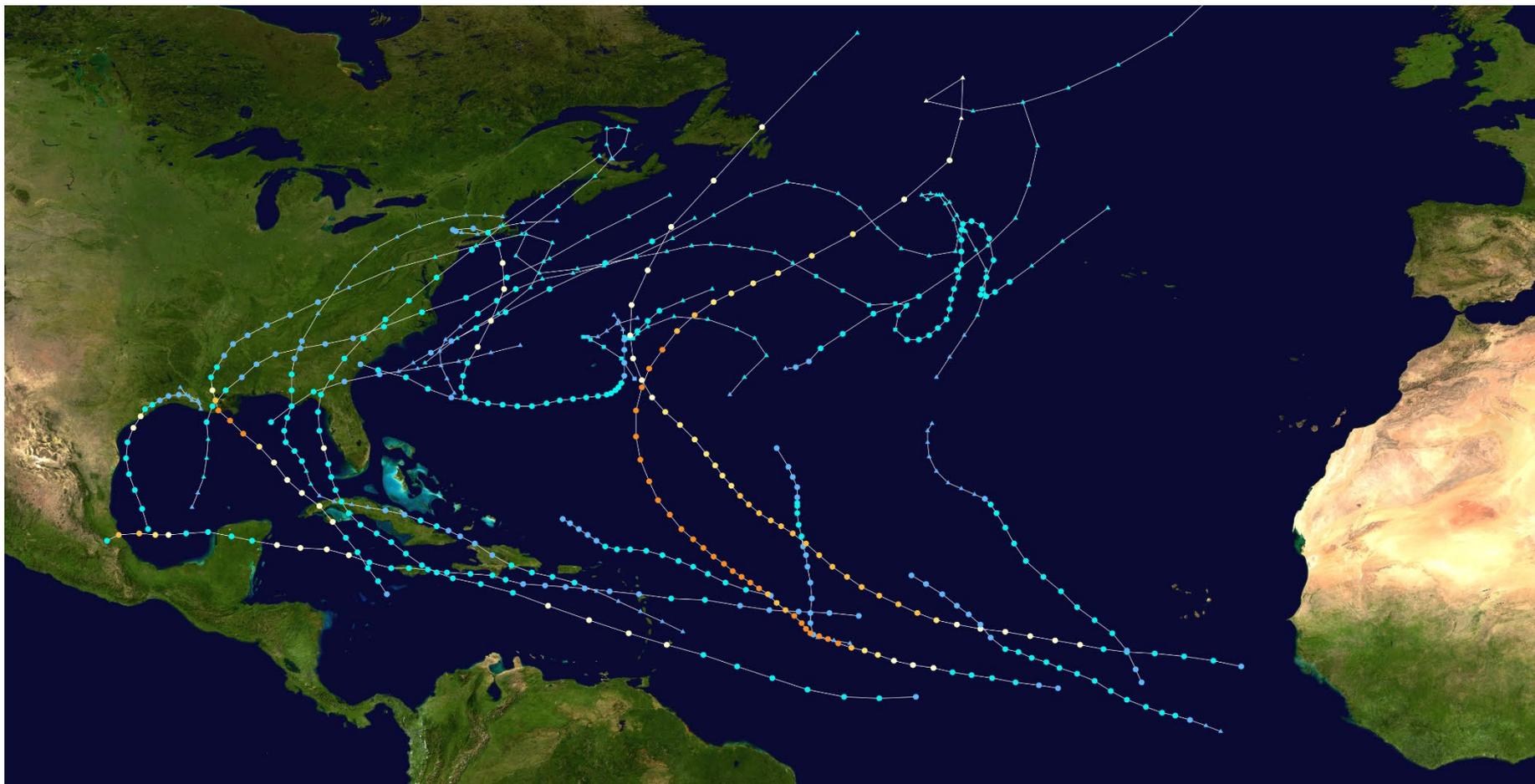
Photo by Evan Fisher



Fall 2021 (SON)

34th
WARMEST

22nd
DRIEST



Drought Development

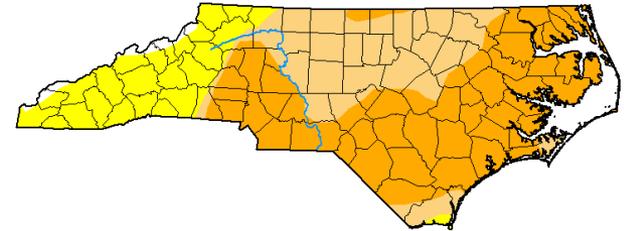
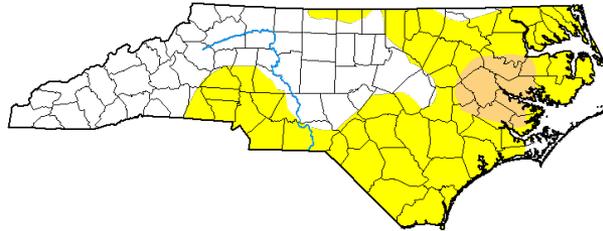
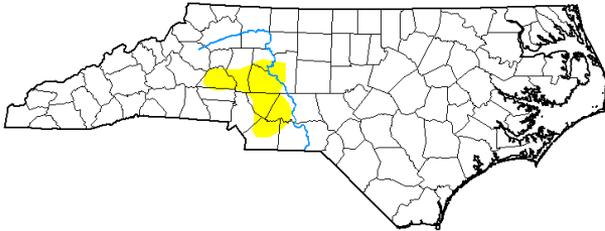
August 31



October 26



December 7



Abnormally Dry

Moderate Drought

Severe Drought

Extreme Drought

Exceptional Drought

U.S. Drought Monitor

November Wildfires



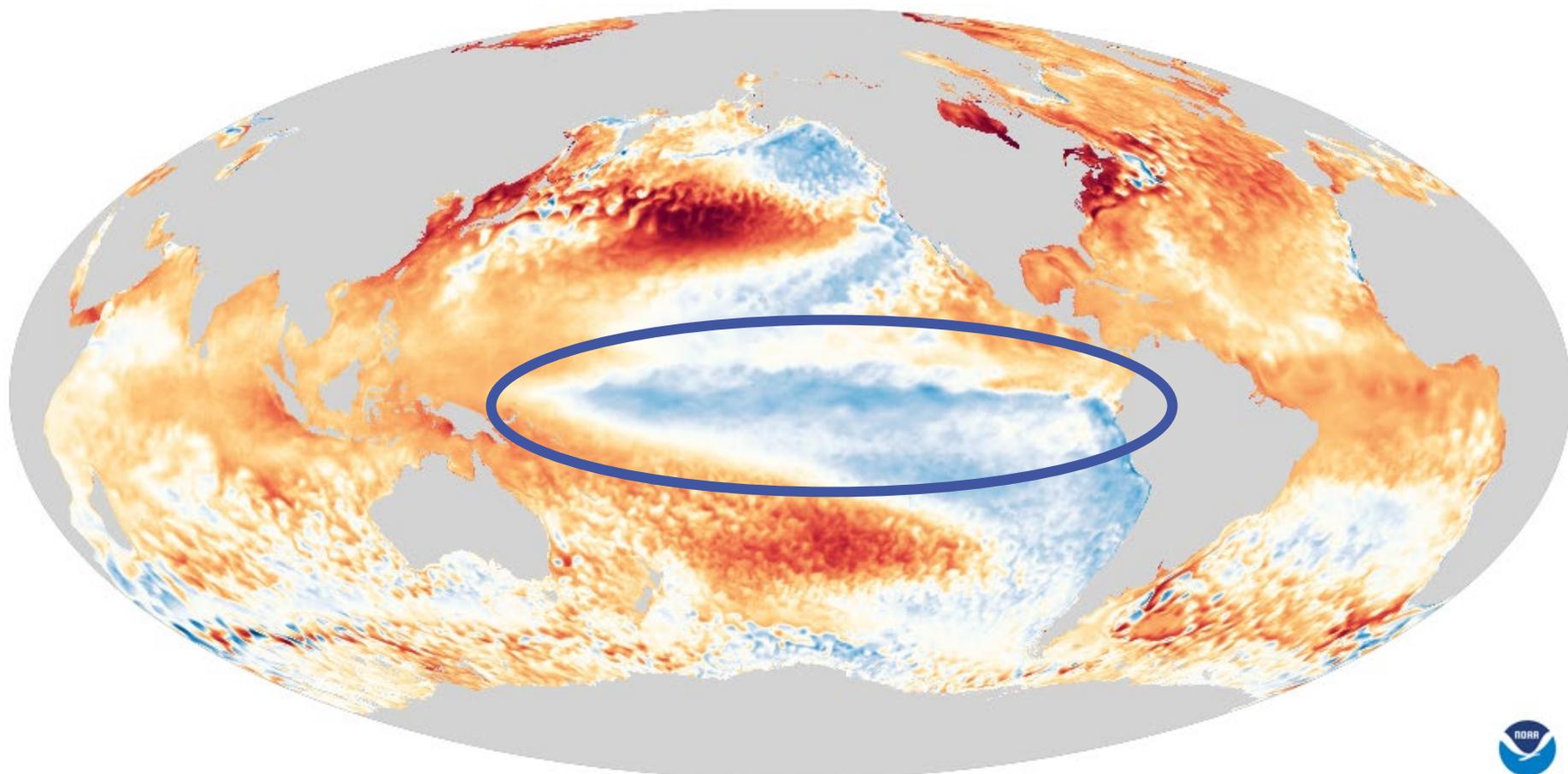
Pilot Mountain fire

Photo by Richard D. Hill

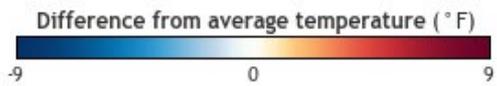
Winter 2021-22 (DJF)

12th
WARMEST

45th
DRIEST



October 2021
Compared to 1985-1993*



NOAA NNVL
Data: NCEI

January Precipitation



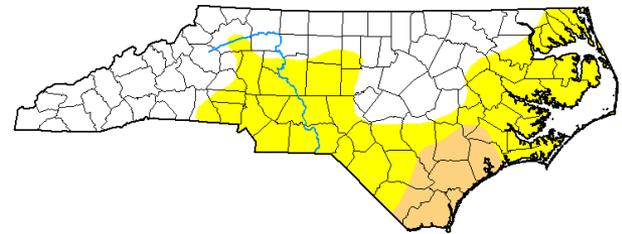
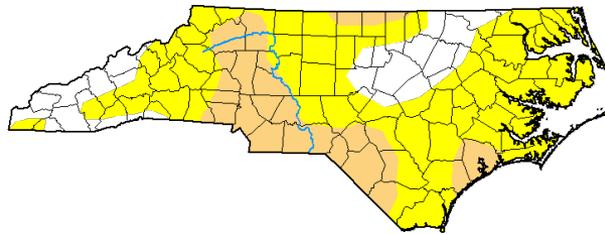
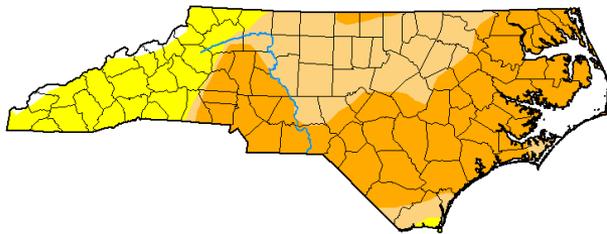
January 16 in Boone
Photo by Appalachian State

January 22 in Newport
Photo by NWS Morehead City



Drought Improvement

December 7 → January 18 → March 1



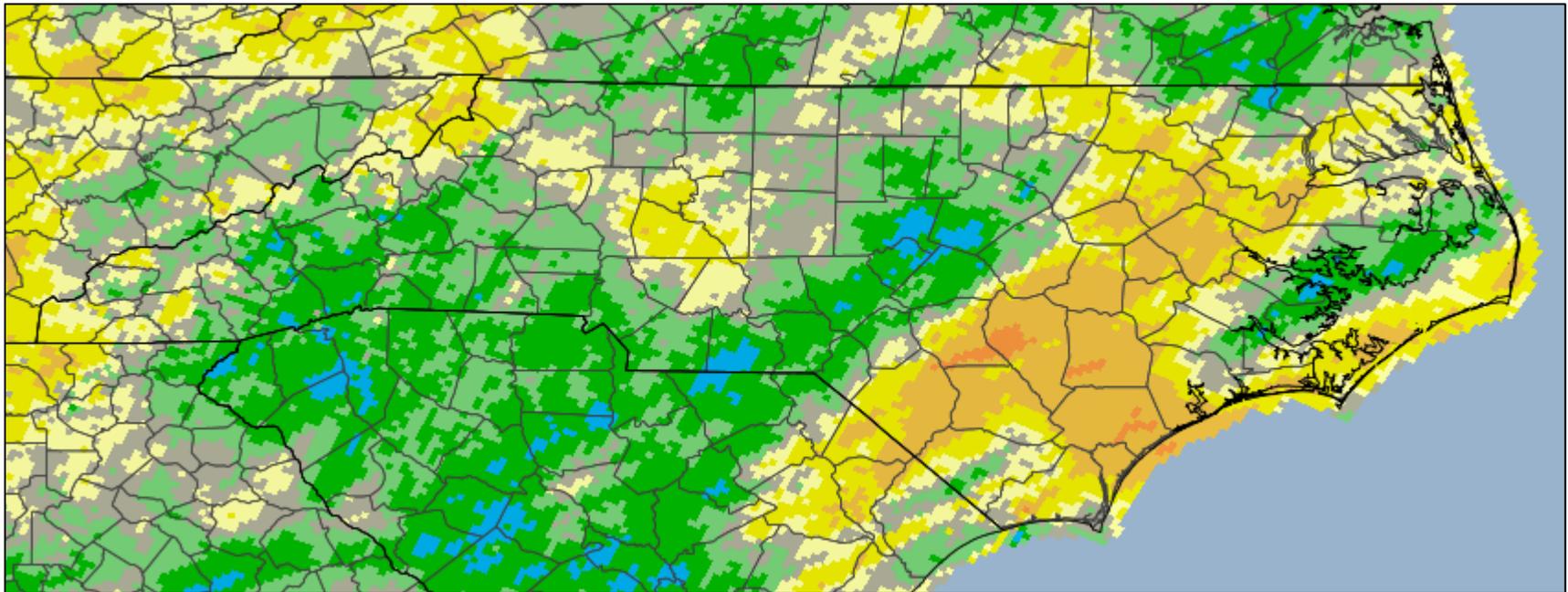
U.S. Drought Monitor

Spring 2022 (MAM)

13th
WARMEST

62nd
DRIEST

Percent of Normal Precipitation



Drought Redevelopment

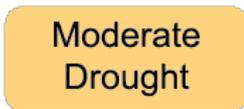
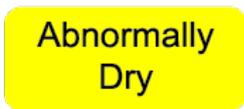
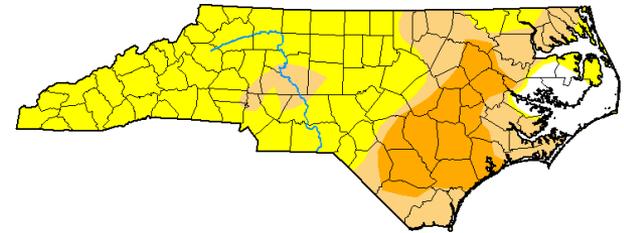
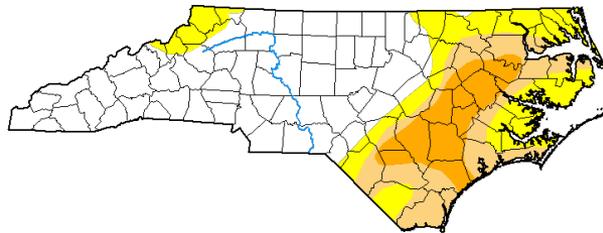
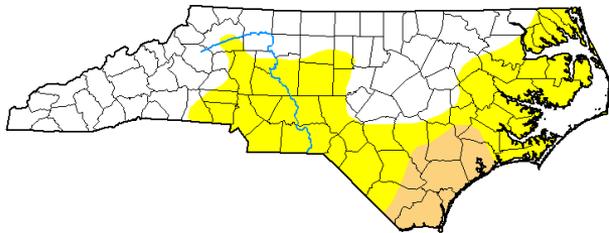
March 1



May 3



June 28



U.S. Drought Monitor

Spring Drought Impacts



Vander fire in March

Photo by WRAL

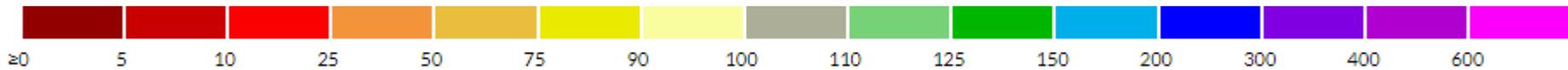
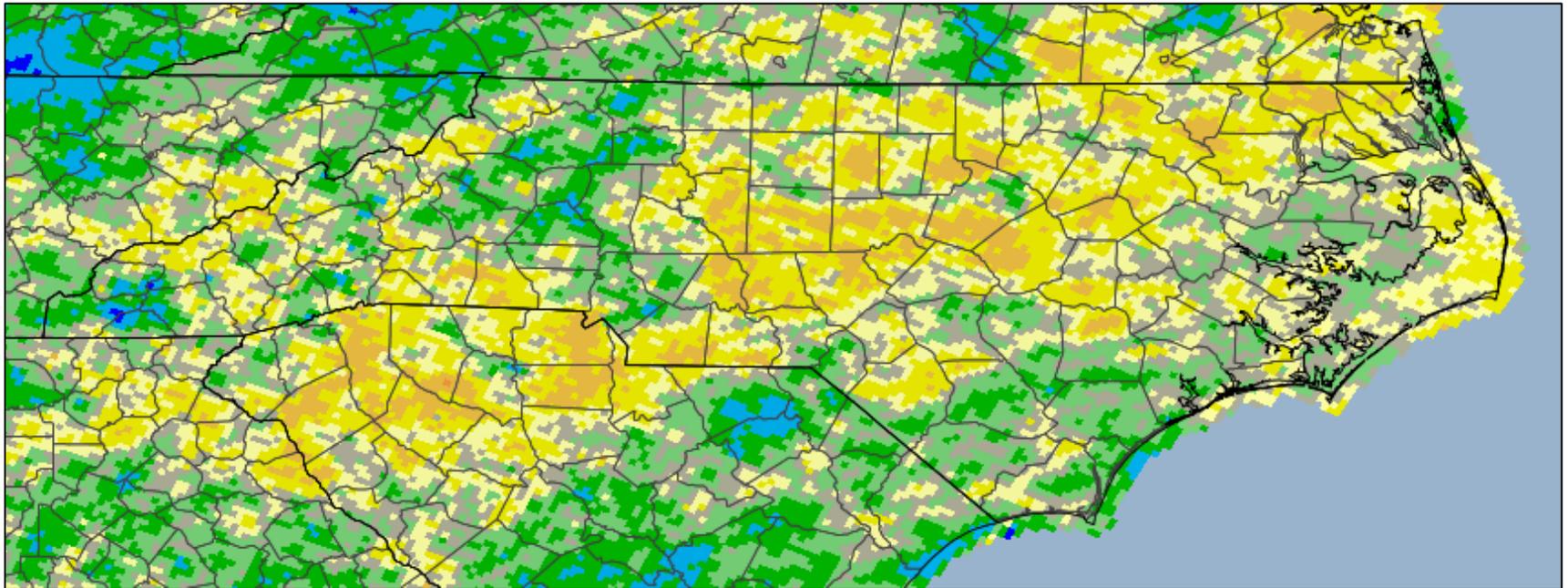
A screenshot of a news article from WECT 6 News. The top of the page shows the station's logo, the NBC peacock, and the number '6'. To the right, there is a weather icon and the temperature '86°'. Below the logo is a dark blue navigation bar with the text 'Watch Live News' and a search icon. The main headline reads: 'Pender County issues warning about water use as area experiences moderate drought'. Below the headline is a video player with a play button icon over a photo of a sprinkler system watering a field. At the bottom of the article, it says 'By Kendall McGee' and 'Updated: May. 21, 2021 at 4:29 PM EDT'.

Summer 2022 (JJA)

13th
WARMEST

28th
DRIEST

Percent of Normal Precipitation



Summer Storms

Oak Island on July 2

Photo by Bill Flanagan



Wilson on August 21

Photo by Marjorie Van Duyne



Drought Finally Fades

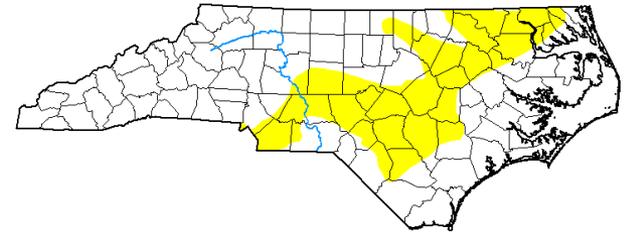
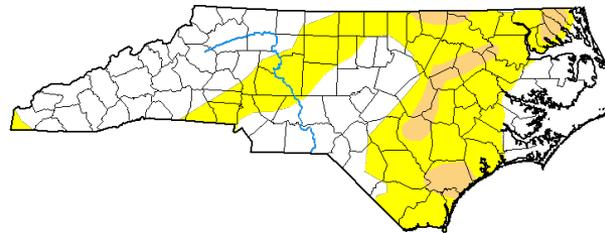
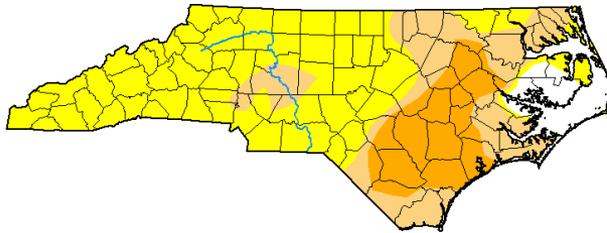
June 28



July 19



August 23



No
Drought

Abnormally
Dry

Moderate
Drought

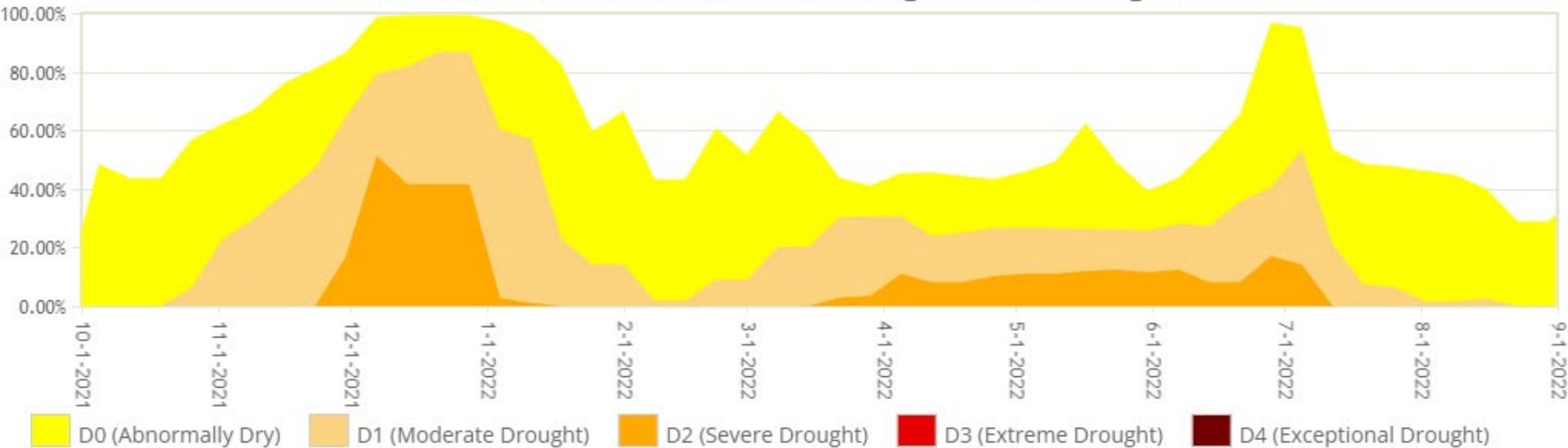
Severe
Drought

Extreme
Drought

Exceptional
Drought

U.S. Drought Monitor

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



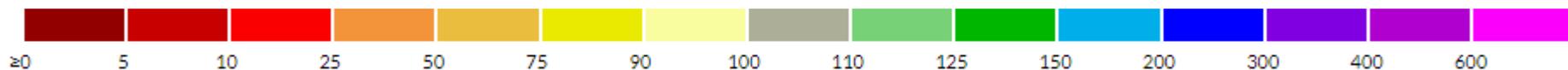
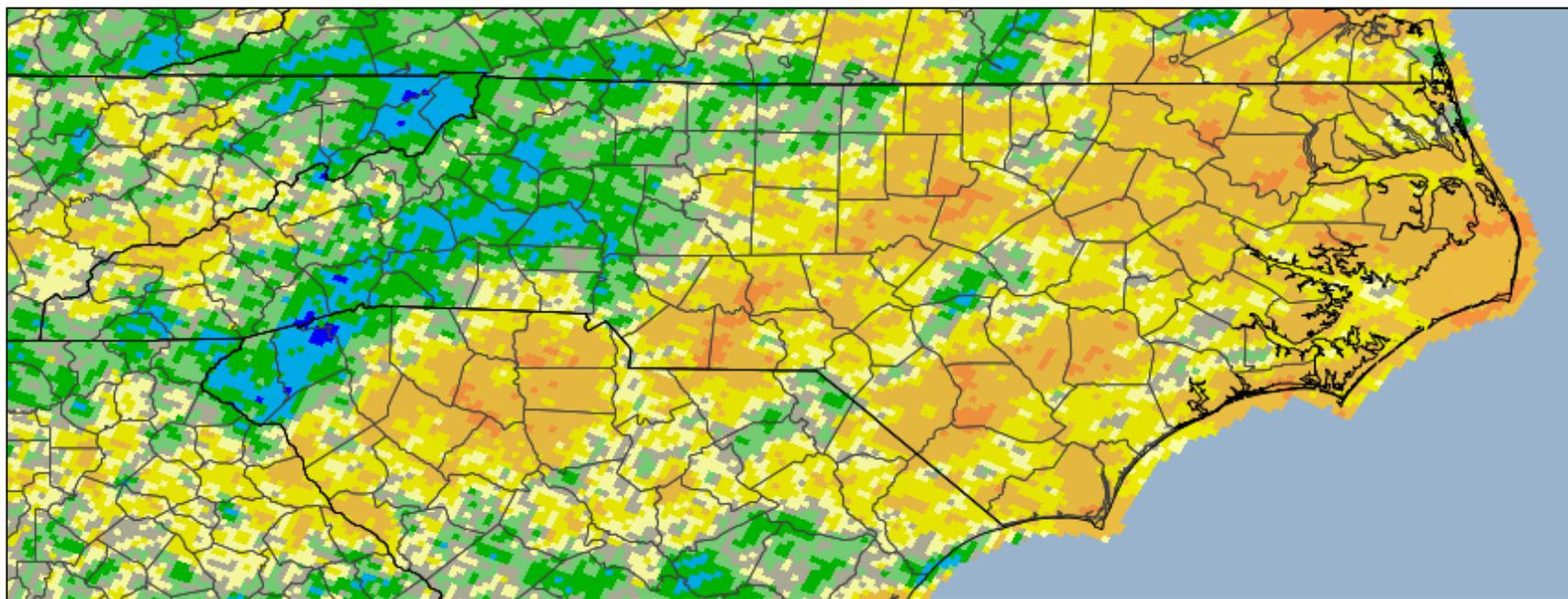
Consecutive Weeks with Drought Present in NC	First Week	Last Week
155†	Jan. 4, 2000	Dec. 17, 2002
117	Feb. 13, 2007	May 5, 2009
100	Jul. 6, 2010	May 29, 2012
53	May 3, 2016	May 2, 2017
43	Oct. 26, 2021	Aug. 16, 2022

† Drought started before the USDM began officially tracking conditions in Jan. 2000



Current Conditions

Percent of Normal Precipitation – Past 60 Days



Current Conditions

Elizabeth City on Sep. 17

Photo by Mike Davis



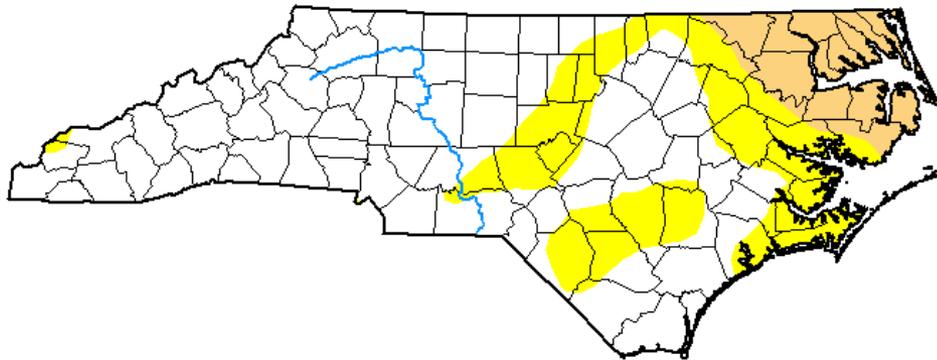
Lake Phelps on Sep. 20

Photo by Cabe Speary

Current Drought Status

U.S. Drought Monitor North Carolina

September 20, 2022
(Released Thursday, Sep. 22, 2022)
Valid 8 a.m. EDT



Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

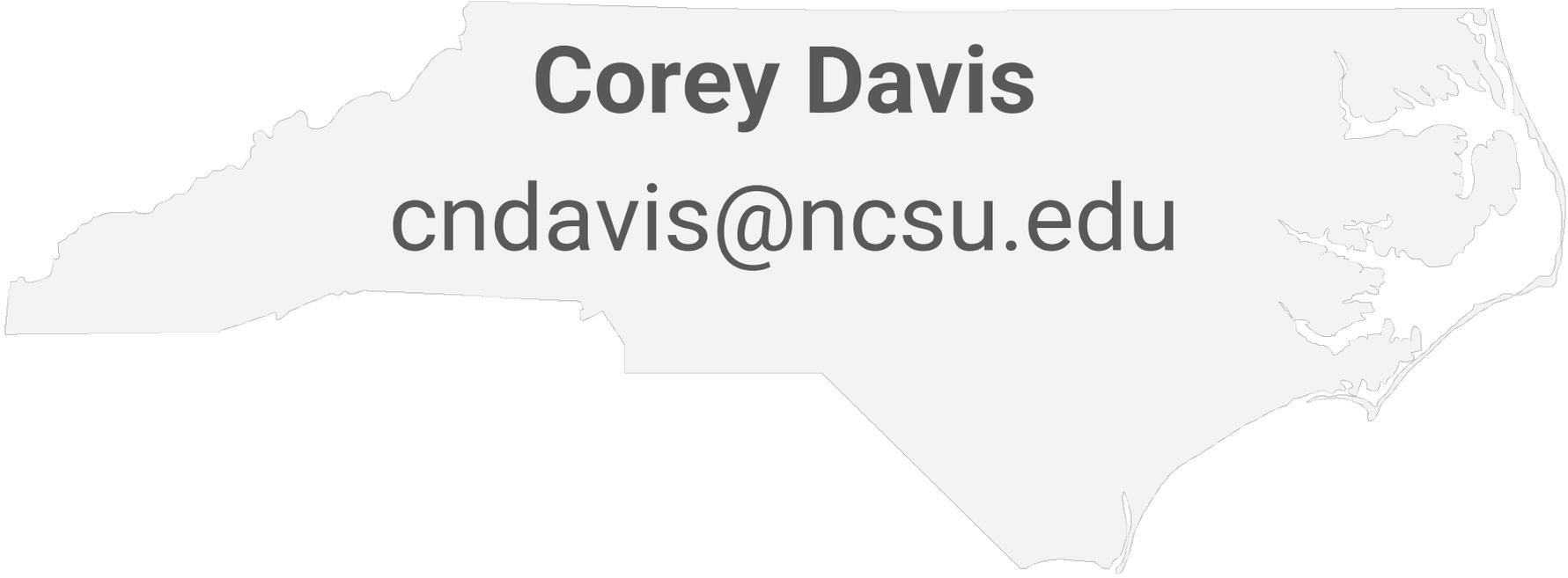
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Richard Heim
NCEI/NOAA



droughtmonitor.unl.edu



Corey Davis
cndavis@ncsu.edu