

# *Groundwater Report*

Drought Management  
Advisory Council

Raleigh, NC

September 21, 2023

<https://www.ncdrought.org/>

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Groundwater Management Branch

NC DEQ DWR Water Planning Section



# *Groundwater Monitoring Network*

## **DWR Well Network**

- 236 multi-well monitoring stations
- 700 individual wells
- 67 of 100 counties have stations
- 83 drought wells (surficial aquifer)
- 30 telemetry drought wells
- <https://www.ncwater.org/?page=20>

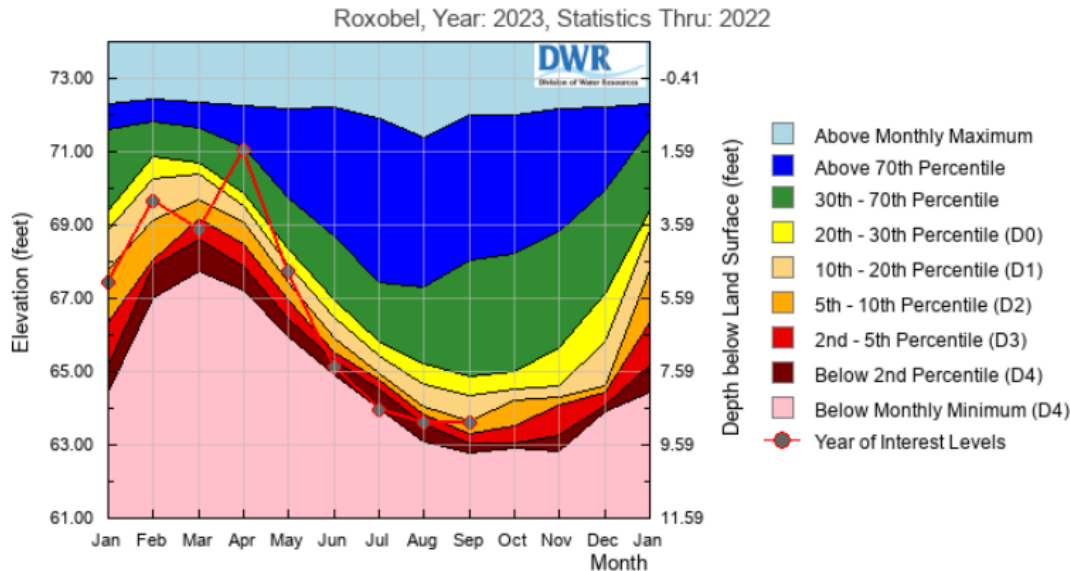
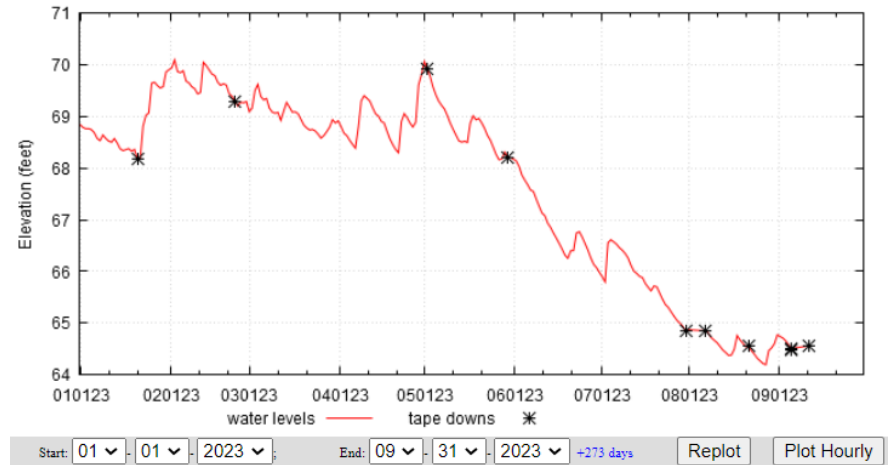


# Groundwater Monitoring Station



# Drought Wells

Hydrograph of groundwater level fluctuations in 2023 at the Roxobel drought well in Bertie County.

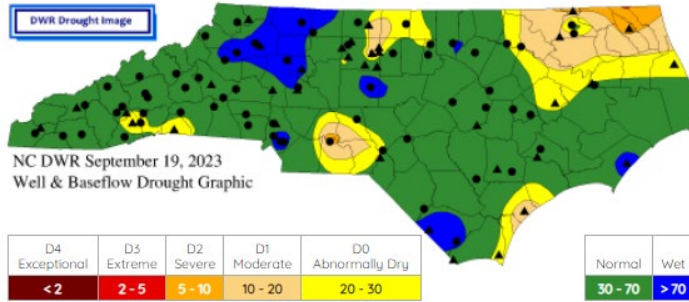


Well: F 22B7 -- Roxobel  
part of the Division of Water Resources Network

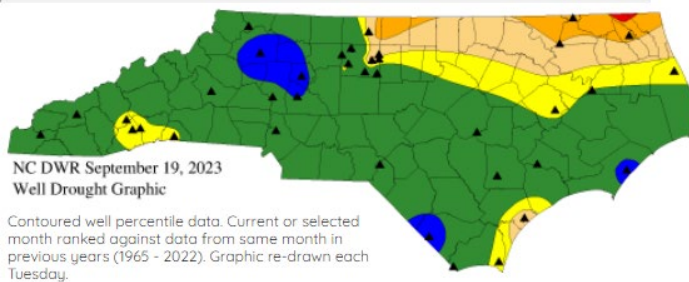
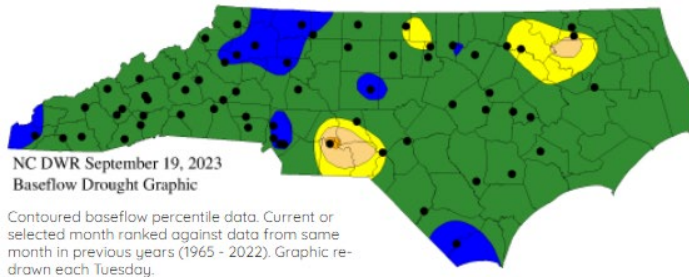
Roxobel hydrograph overlaid on historical percentile data for all years of record.



# DWR Drought Image



Contoured baseflow (circles) and well (triangles) percentile data. Current or selected month ranked against data from same month in previous years (1965 - 2022). Graphic re-drawn each Tuesday.



Weekly Drought Image

=

Latest Baseflow Data

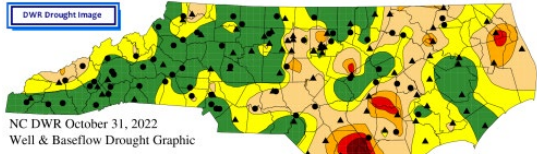
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Latest Groundwater Data

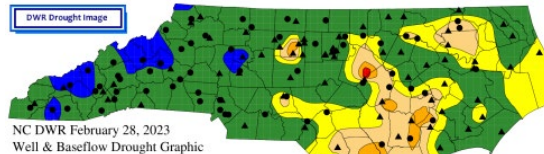


# Year in Review

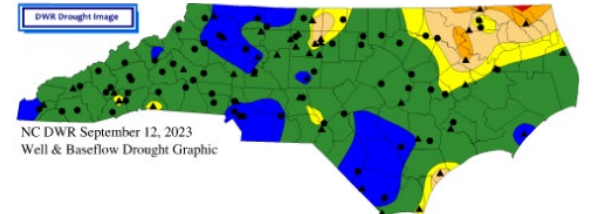
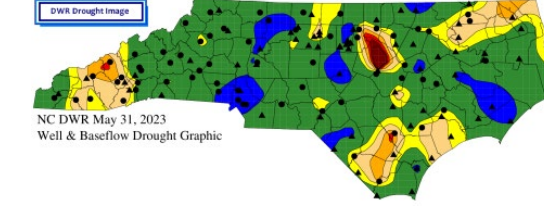
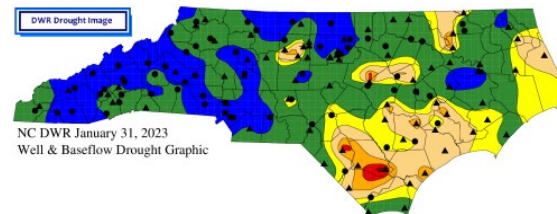
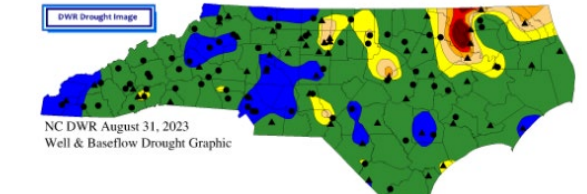
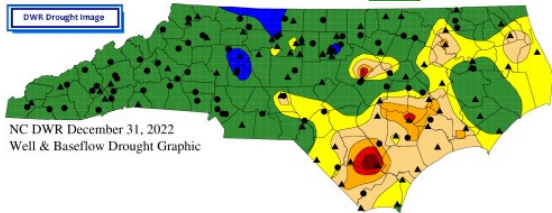
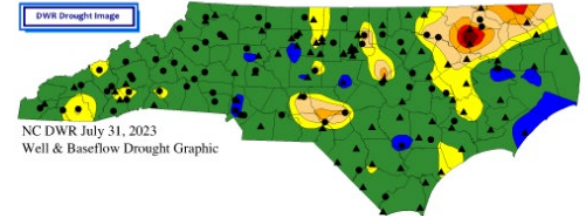
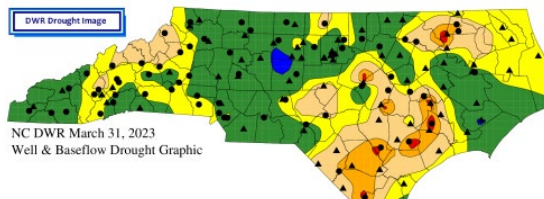
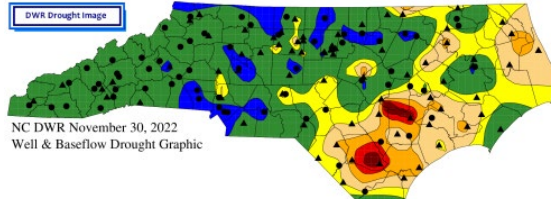
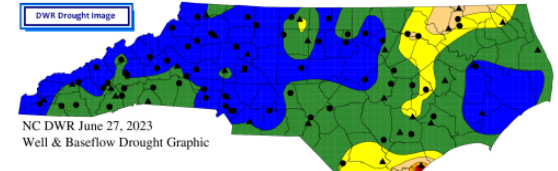
October 2022



February 2023



June 2023



January 2023

May 2023

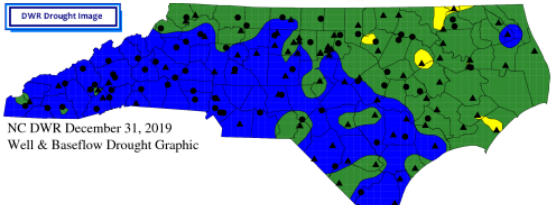
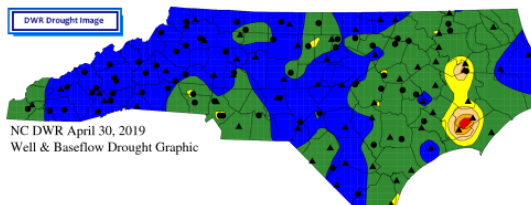
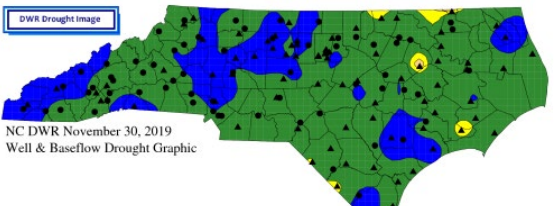
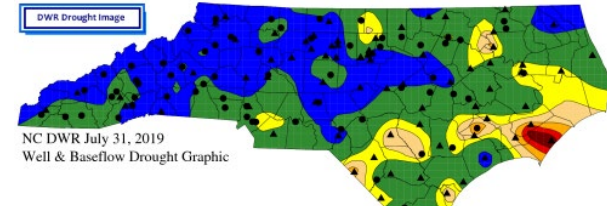
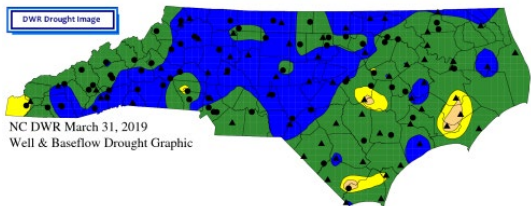
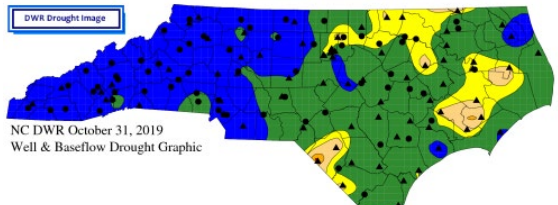
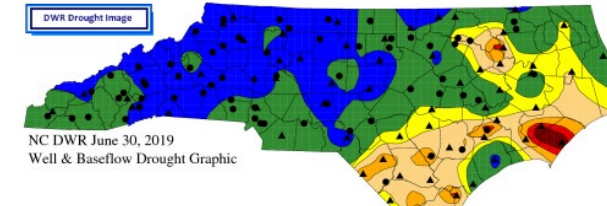
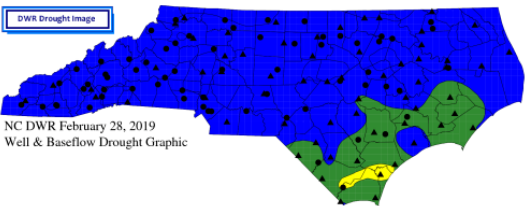
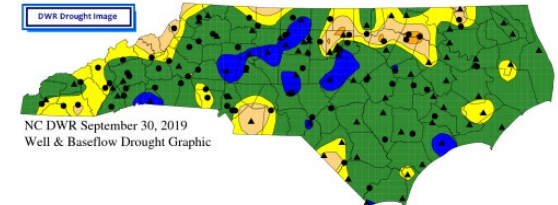
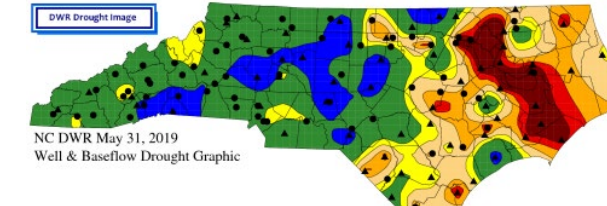
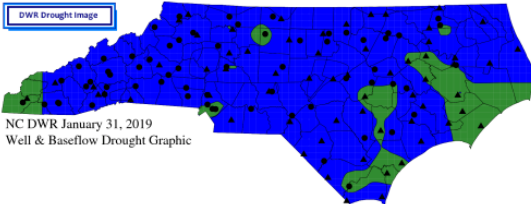
September 2023

# 2019

## January 2019

## May 2019

## September 2019



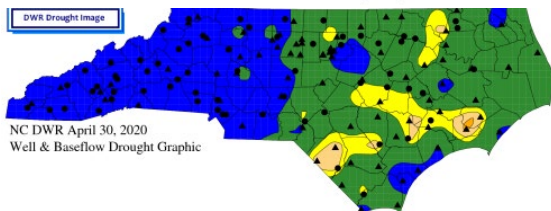
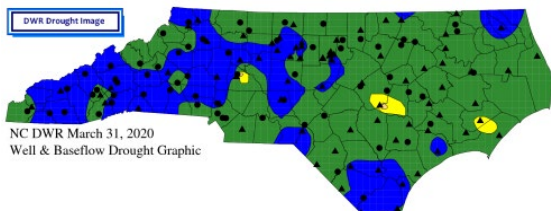
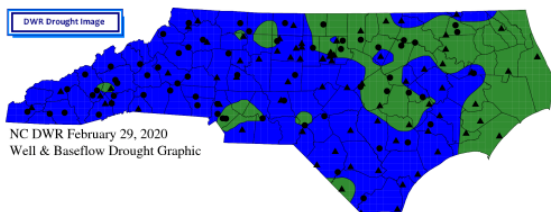
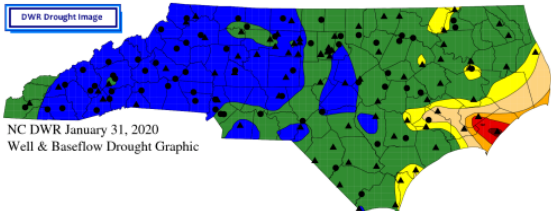
## April 2019

## August 2019

## December 2019

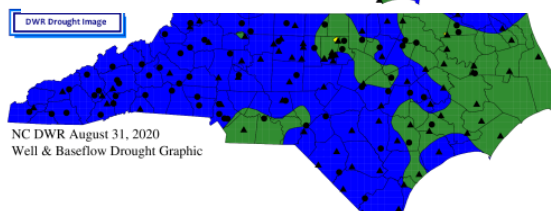
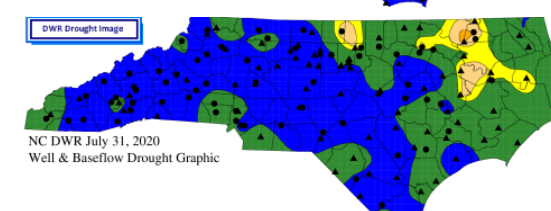
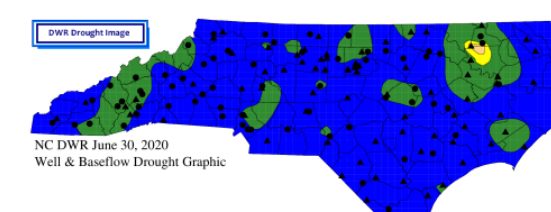
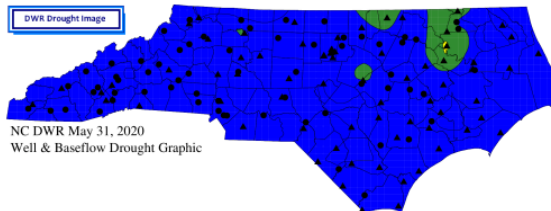
# 2020

## January 2020



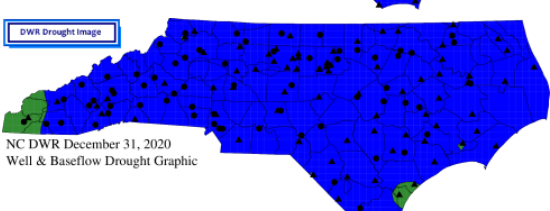
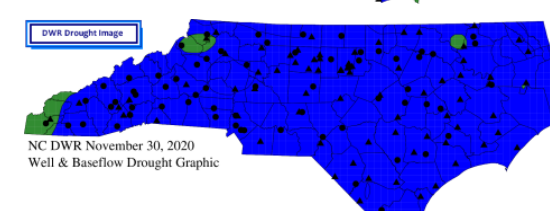
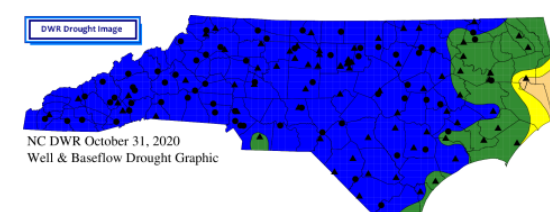
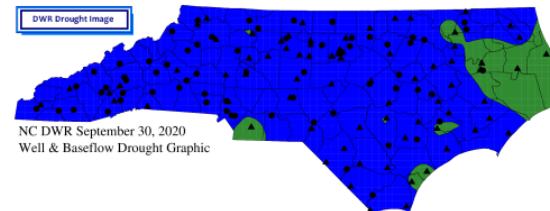
## April 2020

## May 2020



## August 2020

## September 2020



## December 2020



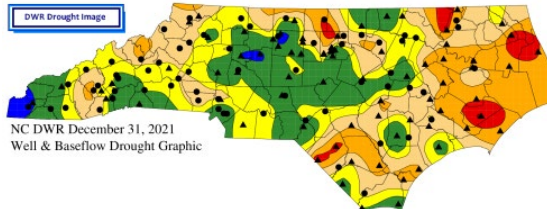
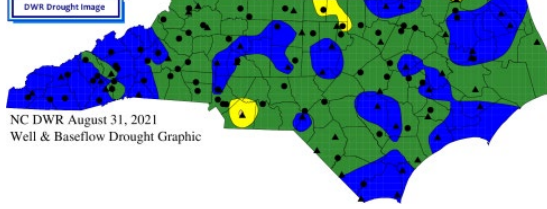
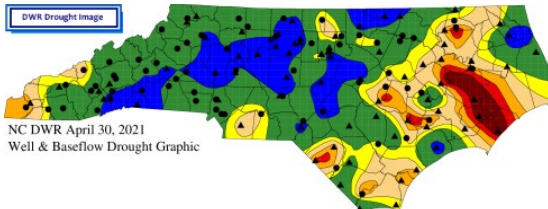
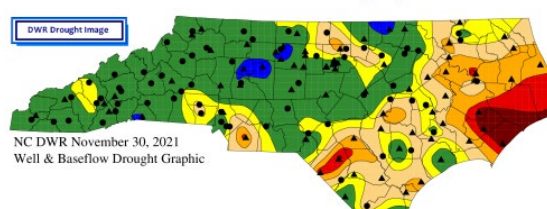
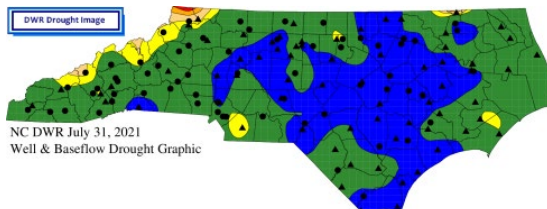
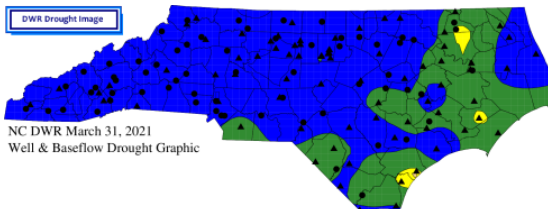
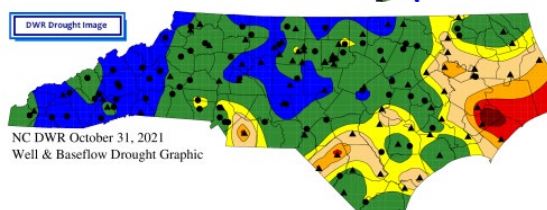
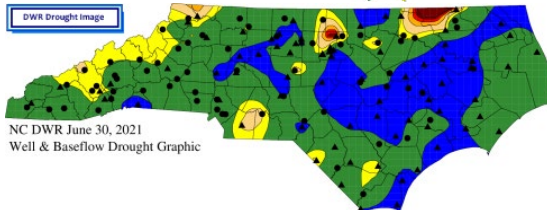
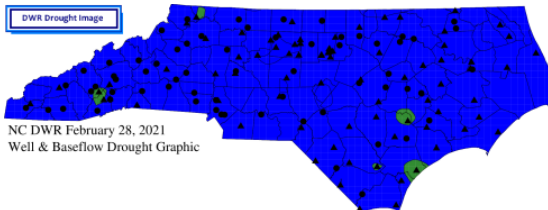
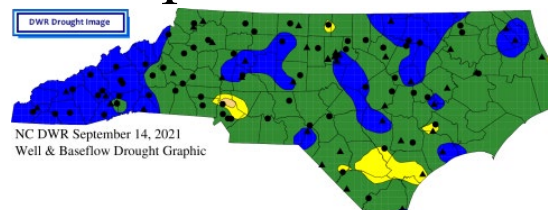
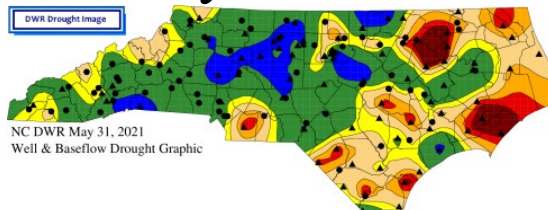
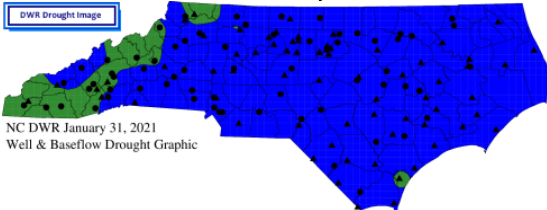


# 2021

## January 2021

## May 2021

## September 2021



## April 2021

## August 2021

## December 2021

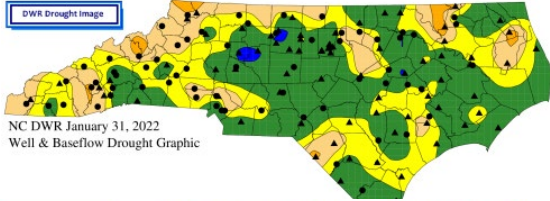
# 2022

## January 2022

## May 2022

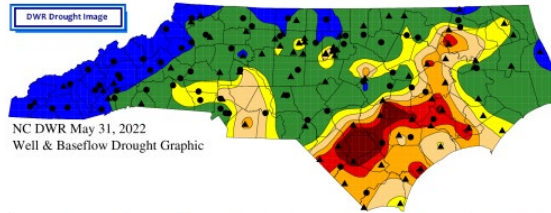
## September 2022

DWR Drought Image



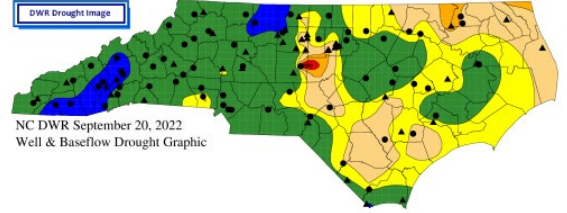
NC DWR January 31, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



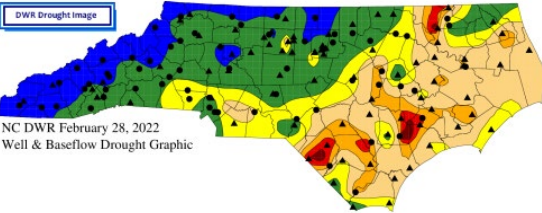
NC DWR May 31, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



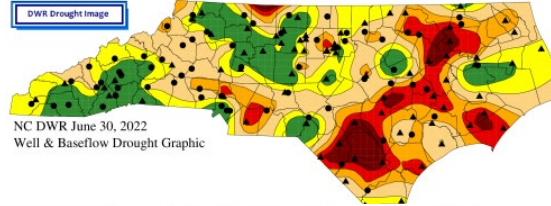
NC DWR September 20, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



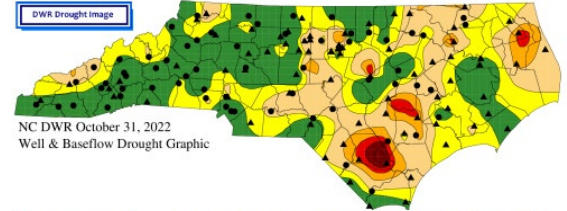
NC DWR February 28, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



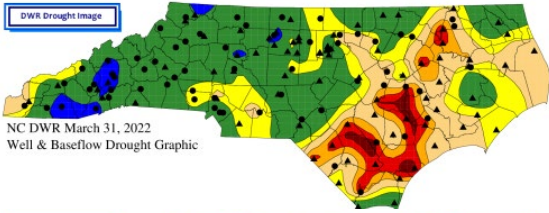
NC DWR June 30, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



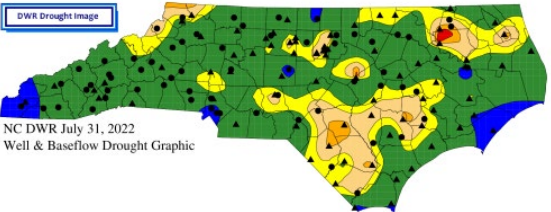
NC DWR October 31, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



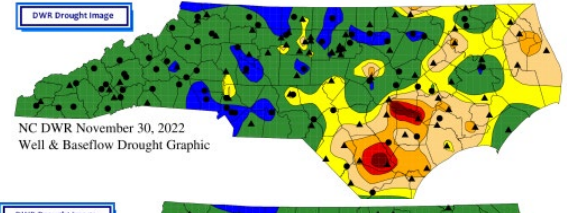
NC DWR March 31, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



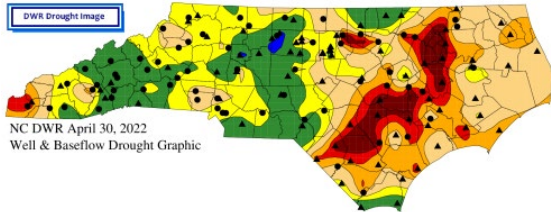
NC DWR July 31, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



NC DWR November 30, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



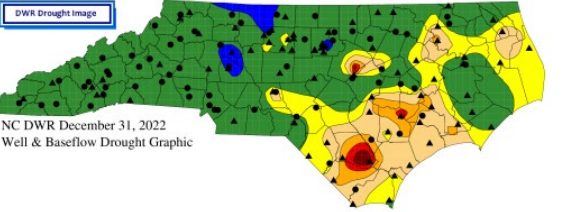
NC DWR April 30, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



NC DWR August 30, 2022  
Well & Baseflow Drought Graphic

DWR Drought Image



NC DWR December 31, 2022  
Well & Baseflow Drought Graphic

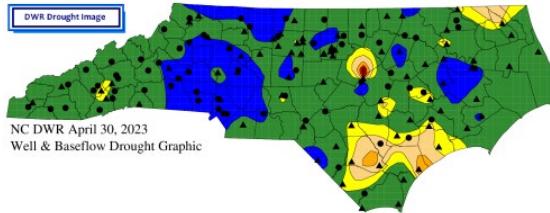
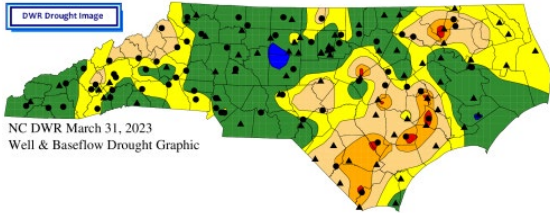
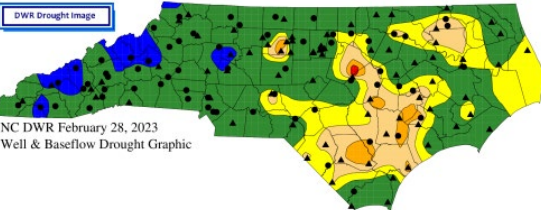
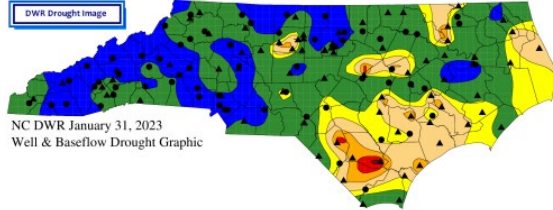
## April 2022

## August 2022

## December 2022

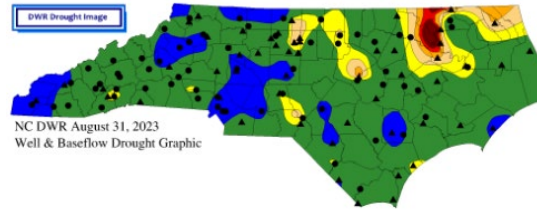
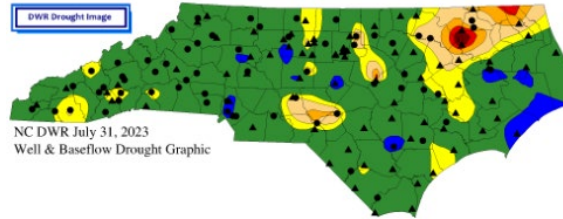
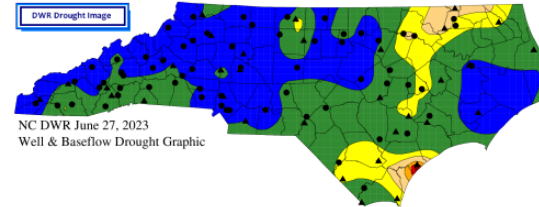
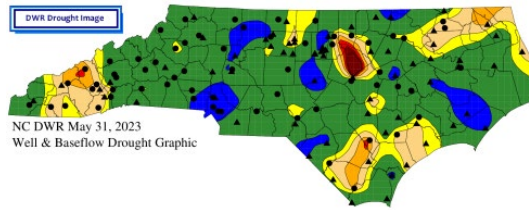
# 2023

## January 2023



## April 2023

## May 2023



## August 2023

## September 2023

