

Groundwater Report

Drought Management
Advisory Council

Raleigh, NC

September 18, 2025

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

ncwater.org/gwmb

Mark Durway, Hydrogeologist

919-707-9018

mark.durway@deq.nc.gov

Ground Water Resources Branch

NC DEQ DWR Water Planning Section



Groundwater Monitoring Station



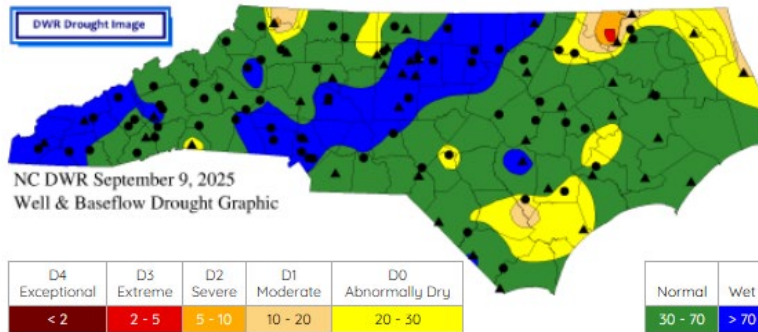
Groundwater Monitoring Network

DWR Well Network

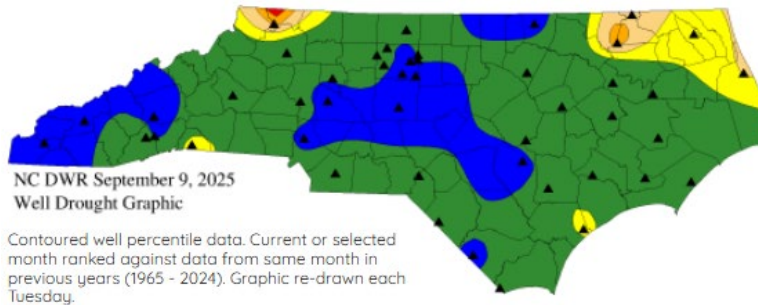
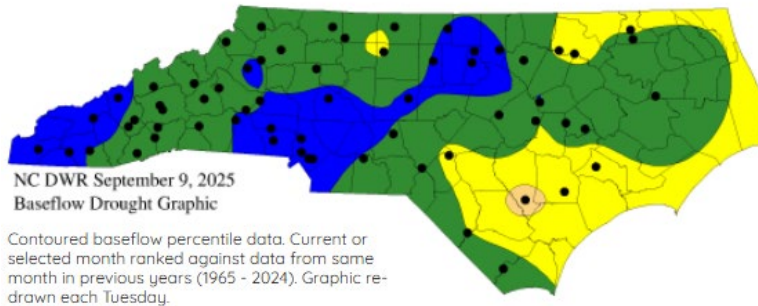
- 239 multi-well monitoring stations
- 696 individual wells
- 69 of 100 counties have stations
- 85 drought wells (surficial aquifer)
- 16 telemetry drought wells



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 - 2024). Graphic re-drawn each Tuesday.



Weekly Drought Image

=

Latest Baseflow Data

+

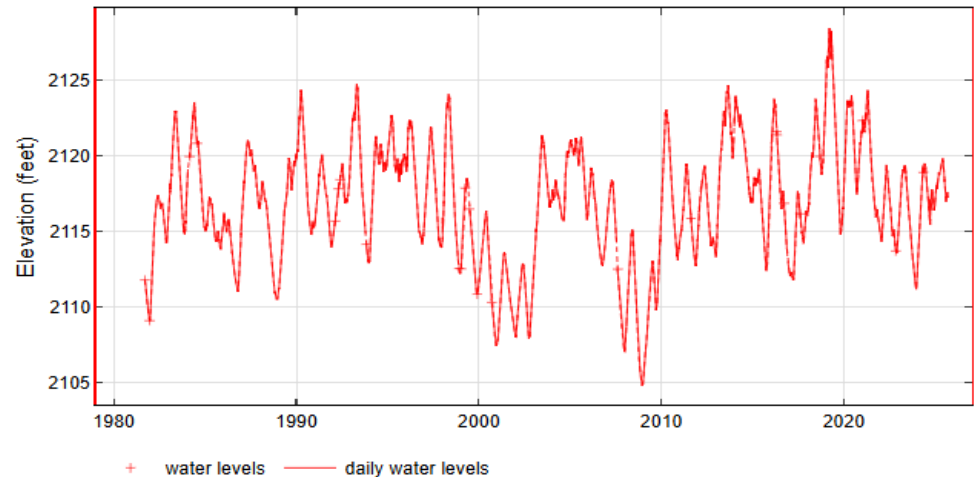
Latest Groundwater Data



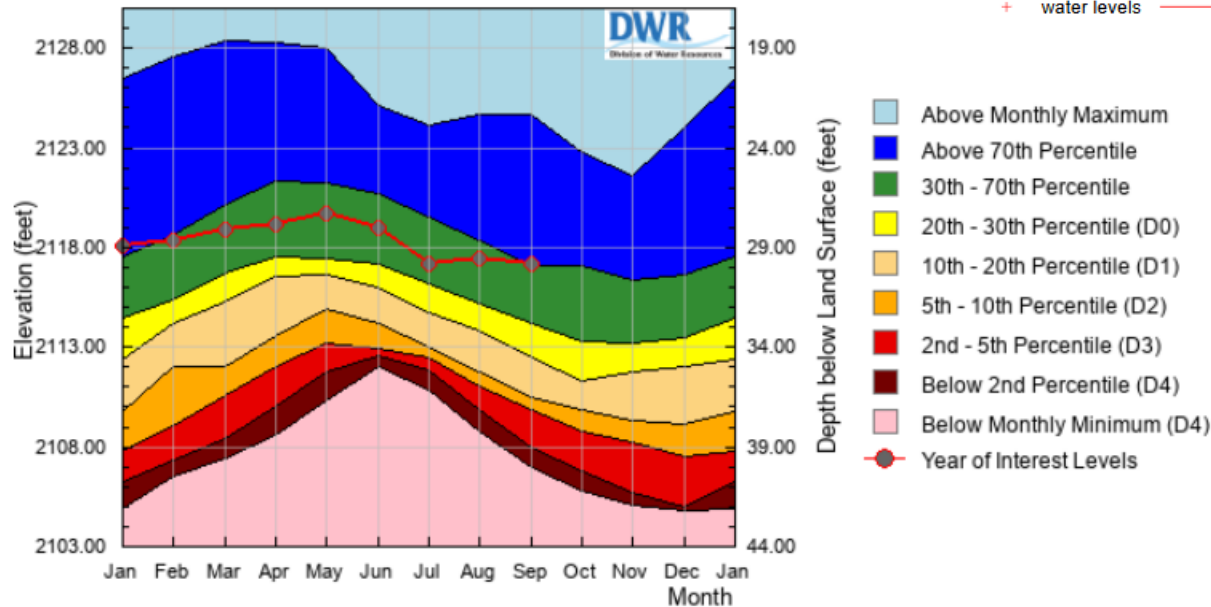
Drought Wells

Well hydrograph for Blantyre monitoring well in Transylvania County, 1982-2025 (right). Data shown is available on our website, ncwater.org/gwmb.

NC-144 water levels - complete record - 09/16/2025 NC-DWR



NC-144, Year: 2025, Statistics Thru: 2024



Well hydrograph overlaid on historical percentile data for 2025 (left).

Telemetry Wells

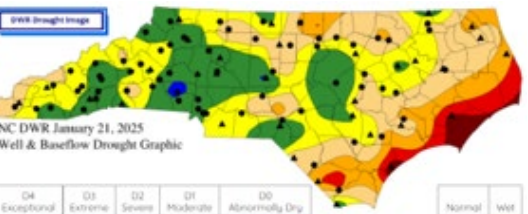
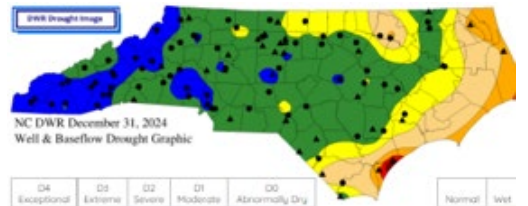
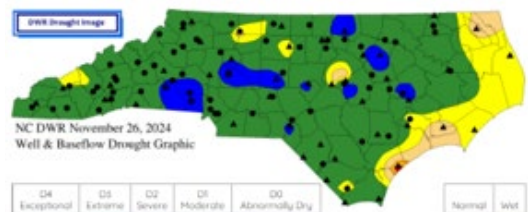
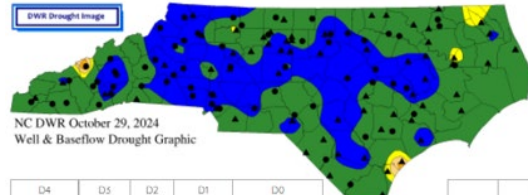
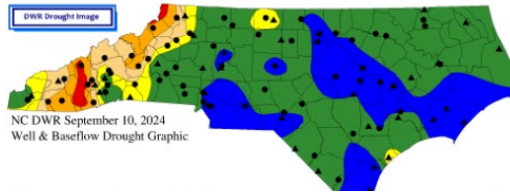
Latest STS update: 2025-09-17 09:44:16 EDT					DIW
16 Wells	ACCESS	MariaDB	V & 24hrΔ	24hrWLΔ	%ile
L67U2 (Troutman)	2025-09-17 09:09:00 EDT	behind	12.78 =	0.08 ↑	46
C71U1 (Laurel Springs)	2025-09-17 08:57:00 EDT	behind	12.93 ↓	-0.01 ↓	4
DD42N1 (Clarendon)	2025-09-17 08:51:00 EDT	behind	12.63 ↑	-0.07 ↓	68
I35K2 (Bunn)	2025-09-17 07:51:00 EDT	behind	12.66 ↓	-0.01 ↓	38
G50W2 (Gibsonville)	2025-09-17 06:45:00 EDT	behind	12.33 =	-0.01 ↓	57
R82I1 (Columbus)	2025-09-17 08:45:00 EDT	behind	12.75 ↓	0.03 ↑	18
HH39J8 (Calabash)	2025-09-17 08:33:00 EDT	behind	12.57 ↓	-0.35 ↓	49
AA27L1 (Topsail Fire T)	2025-09-17 08:27:00 EDT	behind	12.66 ↓	-0.01 ↓	24
Q66C1 (Hornets Nest P)	2025-09-17 08:09:00 EDT	behind	12.24 ↑	-0.04 ↓	66
O97W2 (Bryson City)	2025-09-17 08:03:00 EDT	behind	12.66 ↓	-0.03 ↓	64
B20U8 (Como)	2025-09-17 07:57:00 EDT	behind	12.75 ↓	0.05 ↑	13
Z47R5 (Rowland)	2025-09-17 07:39:00 EDT	behind	12.84 ↑	-0.06 ↓	43
G69J1 (Wilkesboro)	2025-09-17 09:39:00 EDT	behind	12.93 ↑	-0.03 ↓	40
M53L1 (NC Zoo)	2025-09-17 09:33:00 EDT	behind	12.87 ↑	0.00 =	90
U62A1 (Monroe)	2025-09-17 09:21:00 EDT	behind	12.99 ↑	-0.05 ↓	37
I4W5 (Manteo Airport)	2025-09-17 09:15:00 EDT	behind	12.48 ↓	0.08 ↑	17

Well telemetry provides continuous groundwater levels for 16 drought network wells located in 10 of our 17 river basins.



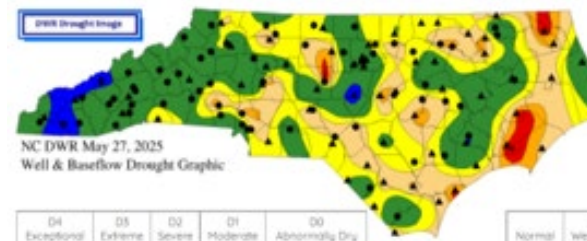
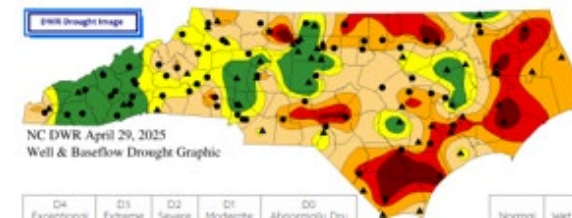
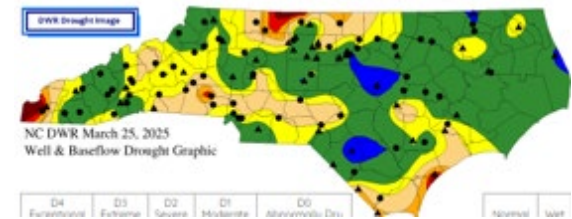
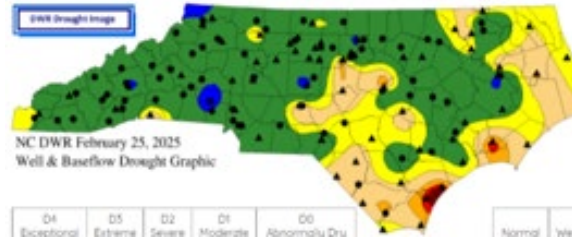
Year in Review

September 2024



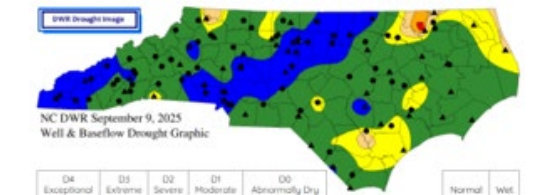
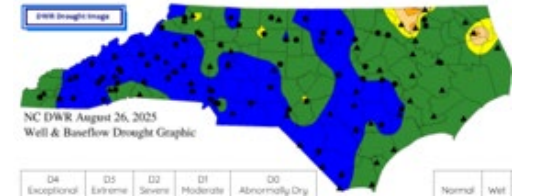
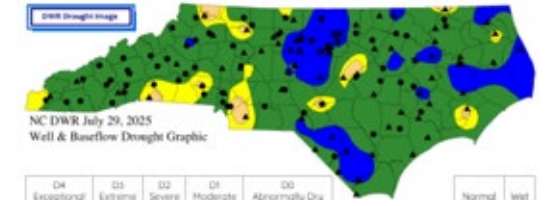
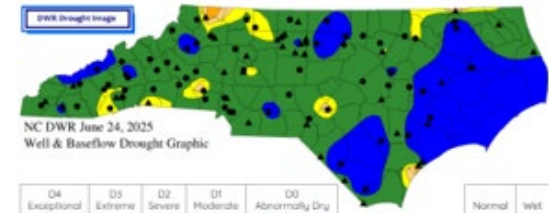
January 2025

February 2025



May 2025

June 2025

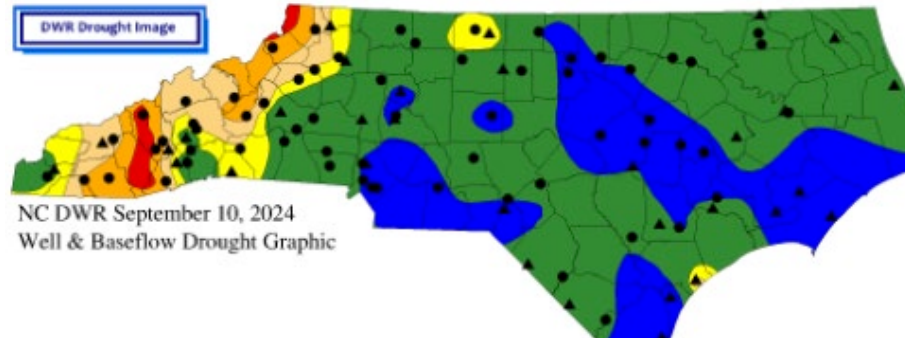


September 2025

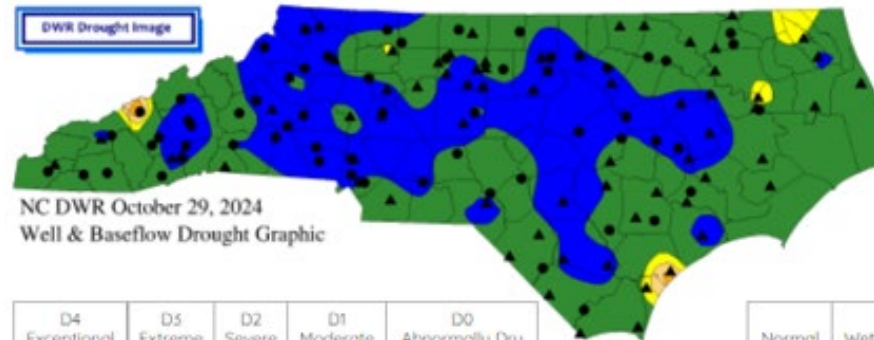


Year in Review

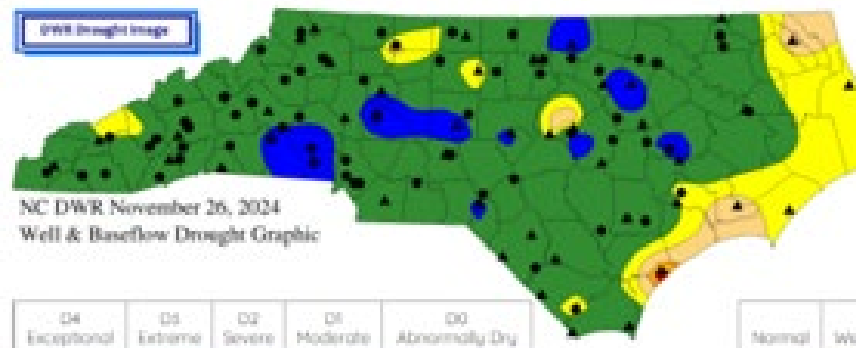
September 2024



October 2024

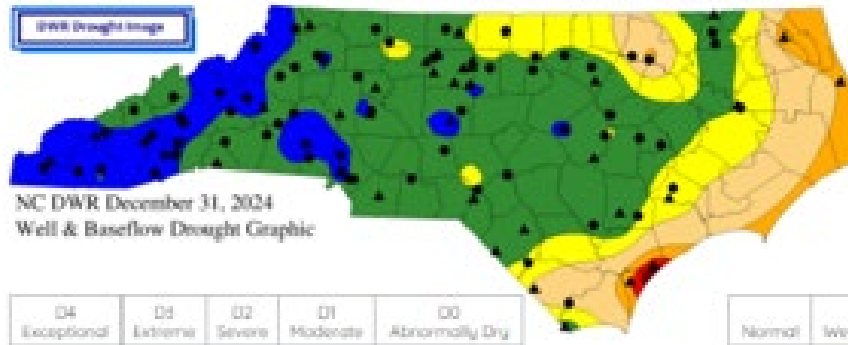


November 2024

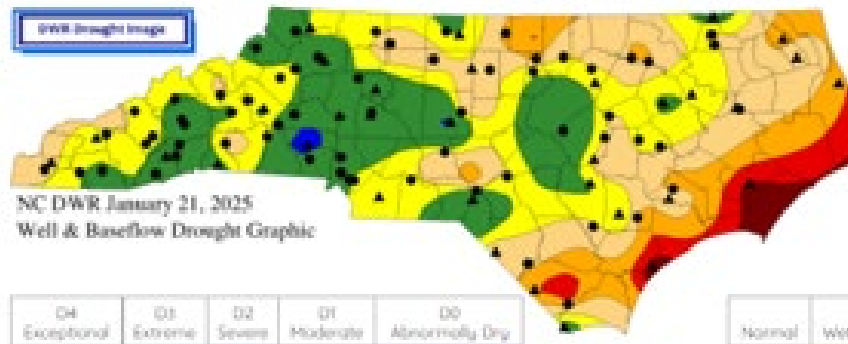


Year in Review

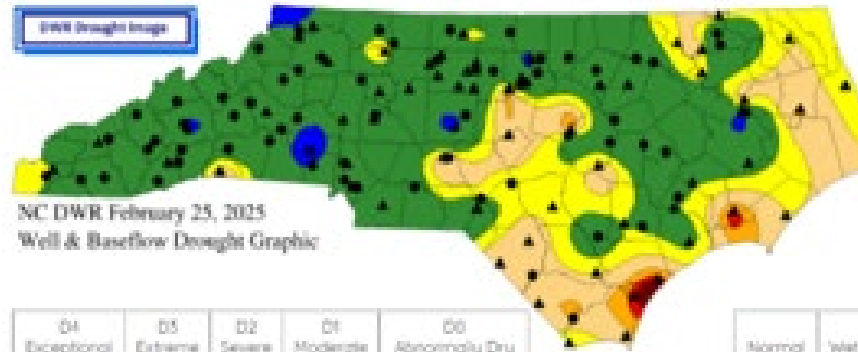
December 2024



January 2025

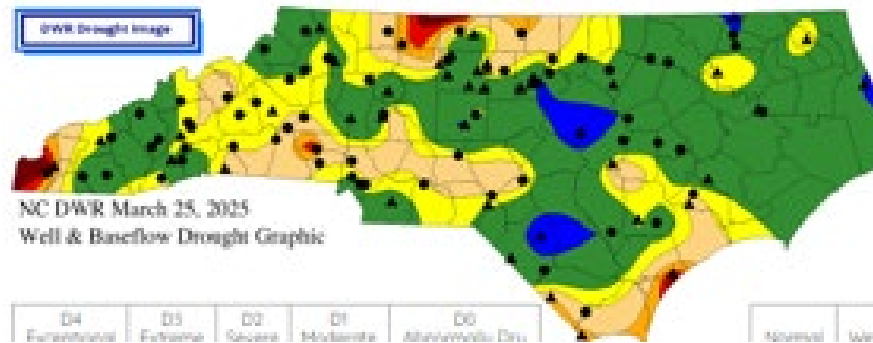


February 2025

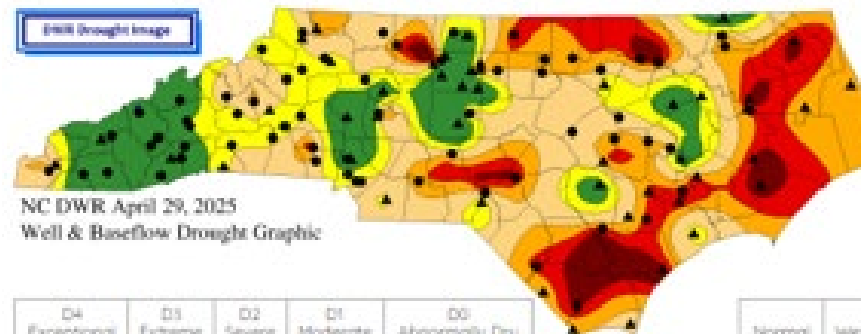


Year in Review

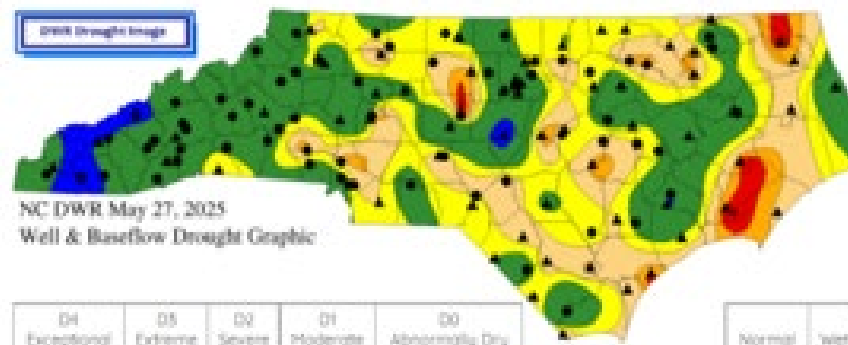
March 2025



April 2025

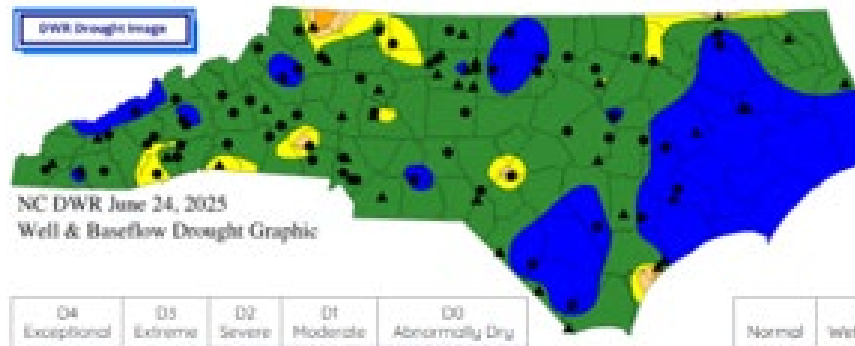


May 2025

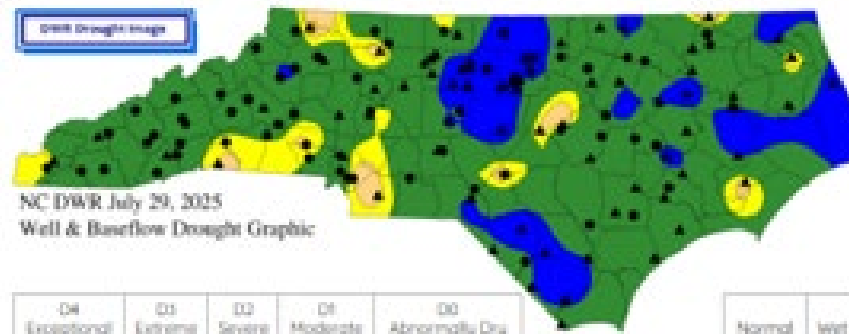


Year in Review

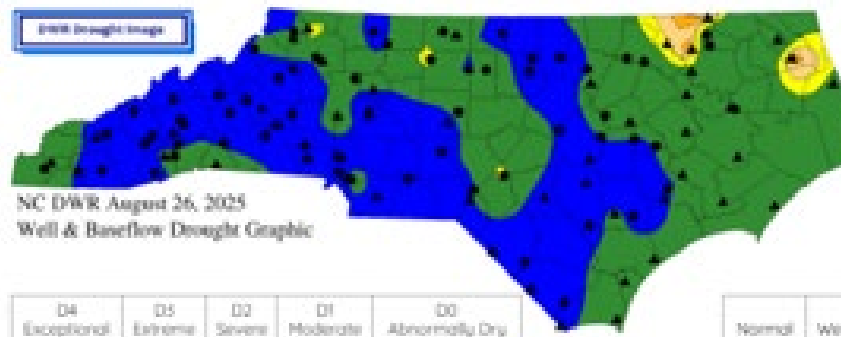
June 2025



July 2025

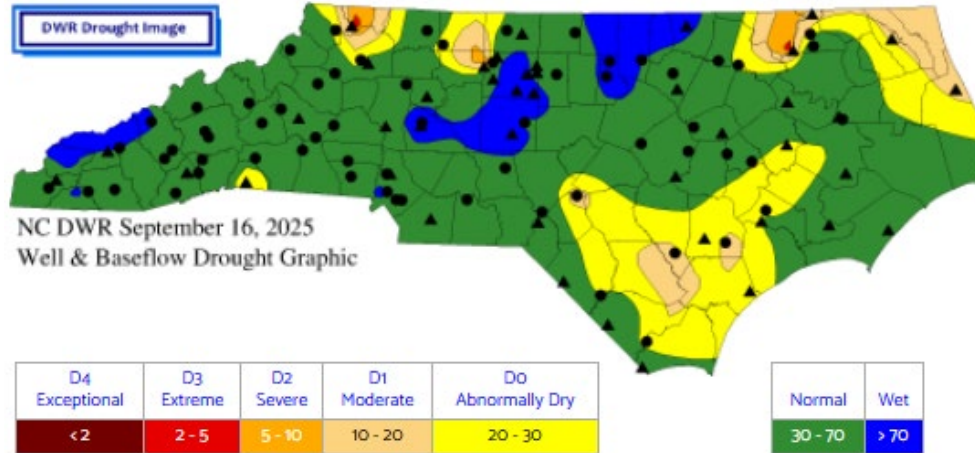


August 2025



Year in Review

September 2025

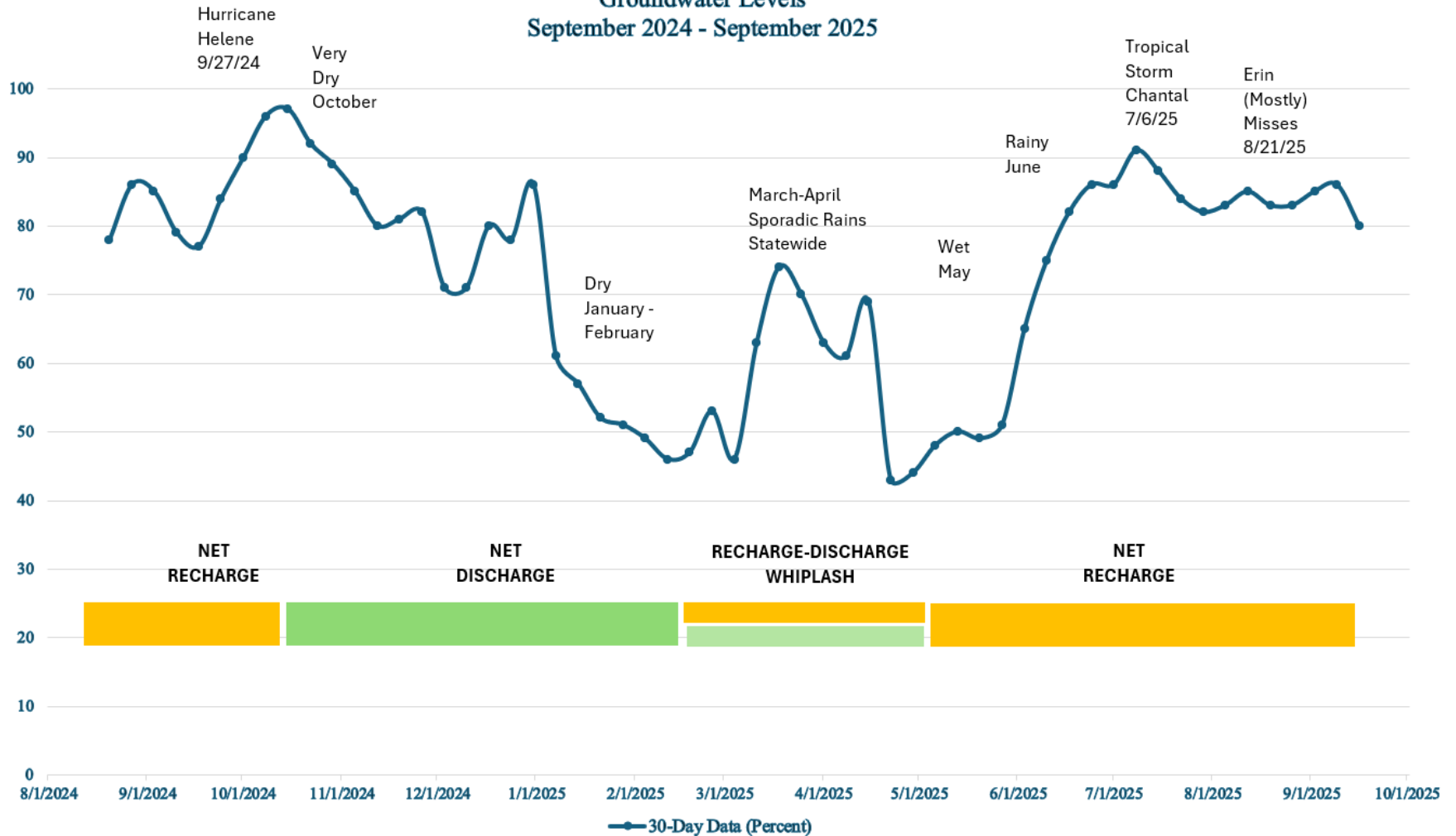


Percent of Wells
with
Normal or Above
Groundwater Levels

September 2024 - September 2025

SEPTEMBER
2024

SEPTEMBER
2025



Questions or Comments

