

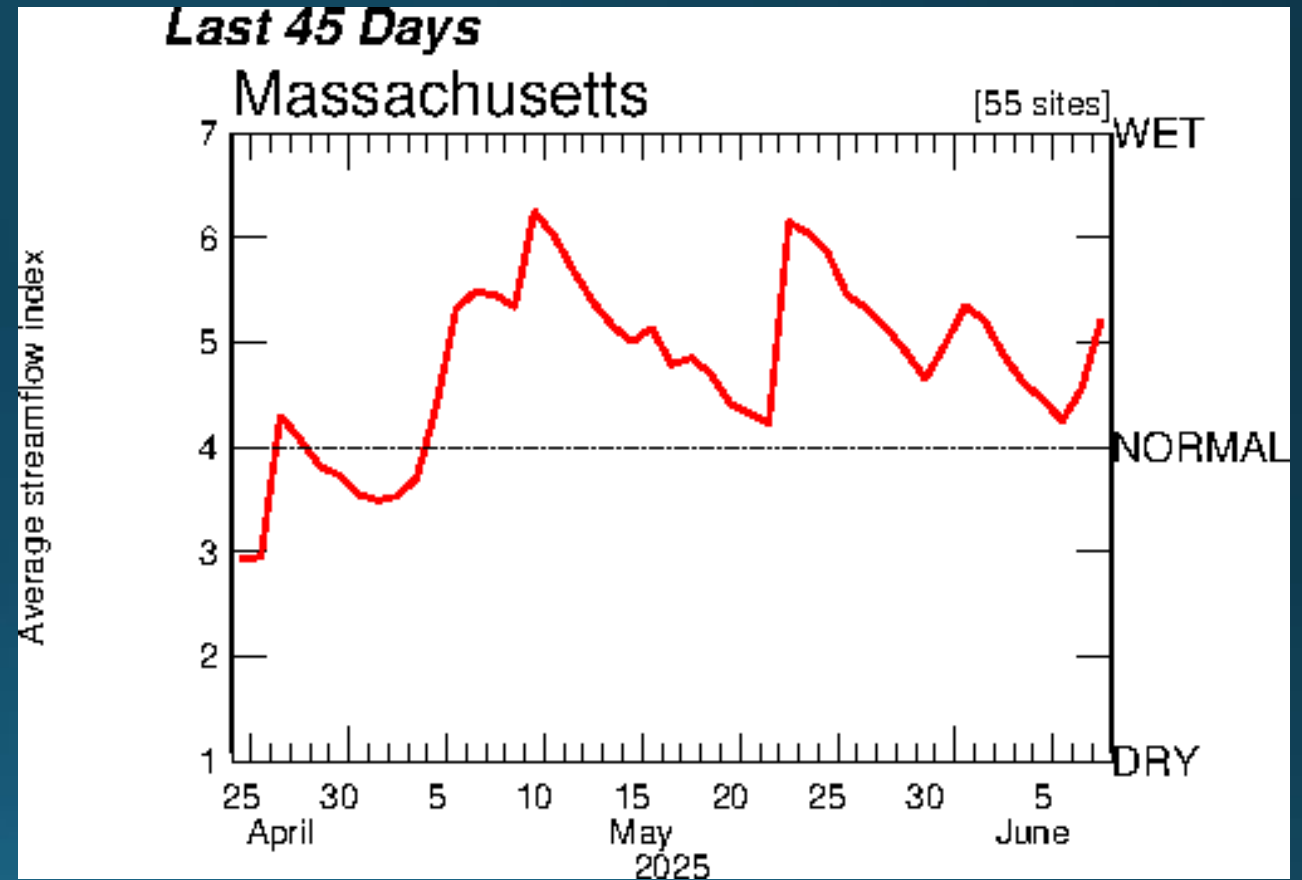
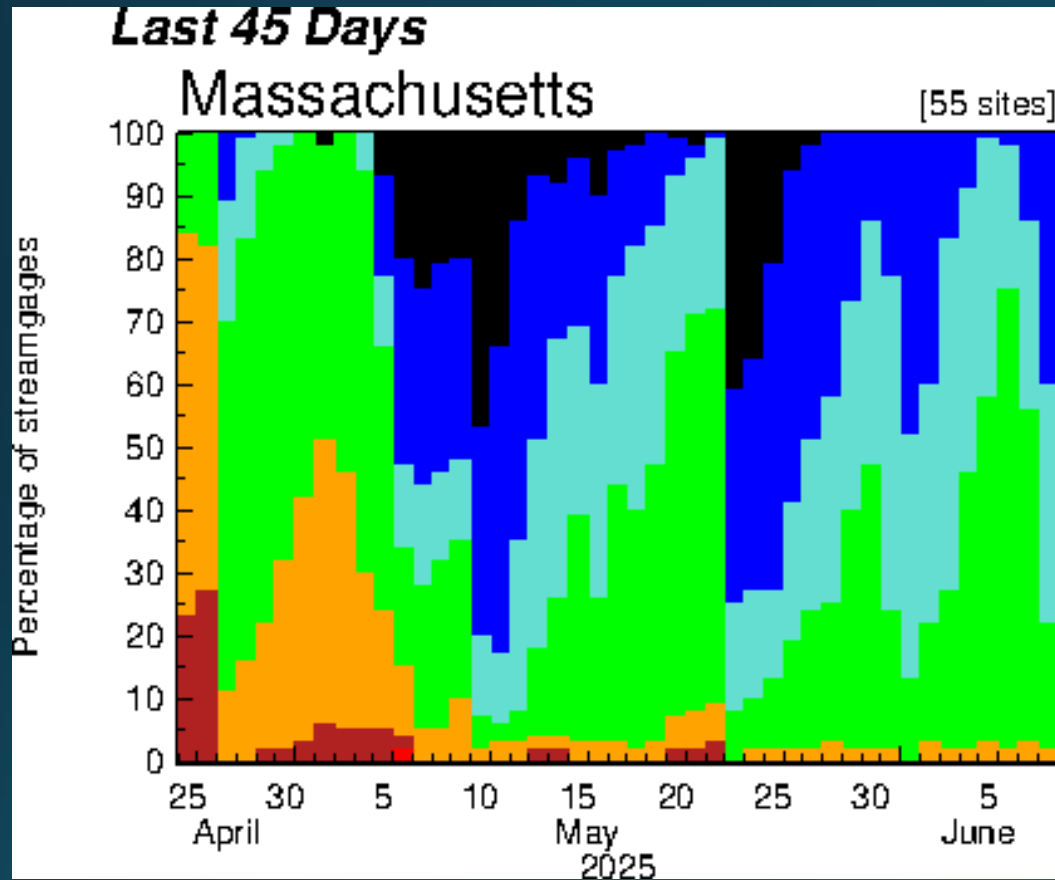
# Streamflow and Groundwater Conditions in Massachusetts

## Massachusetts Drought Task Force Meeting June 9, 2025

U.S. Geological Survey  
New England Water Science Center  
Brian Loving

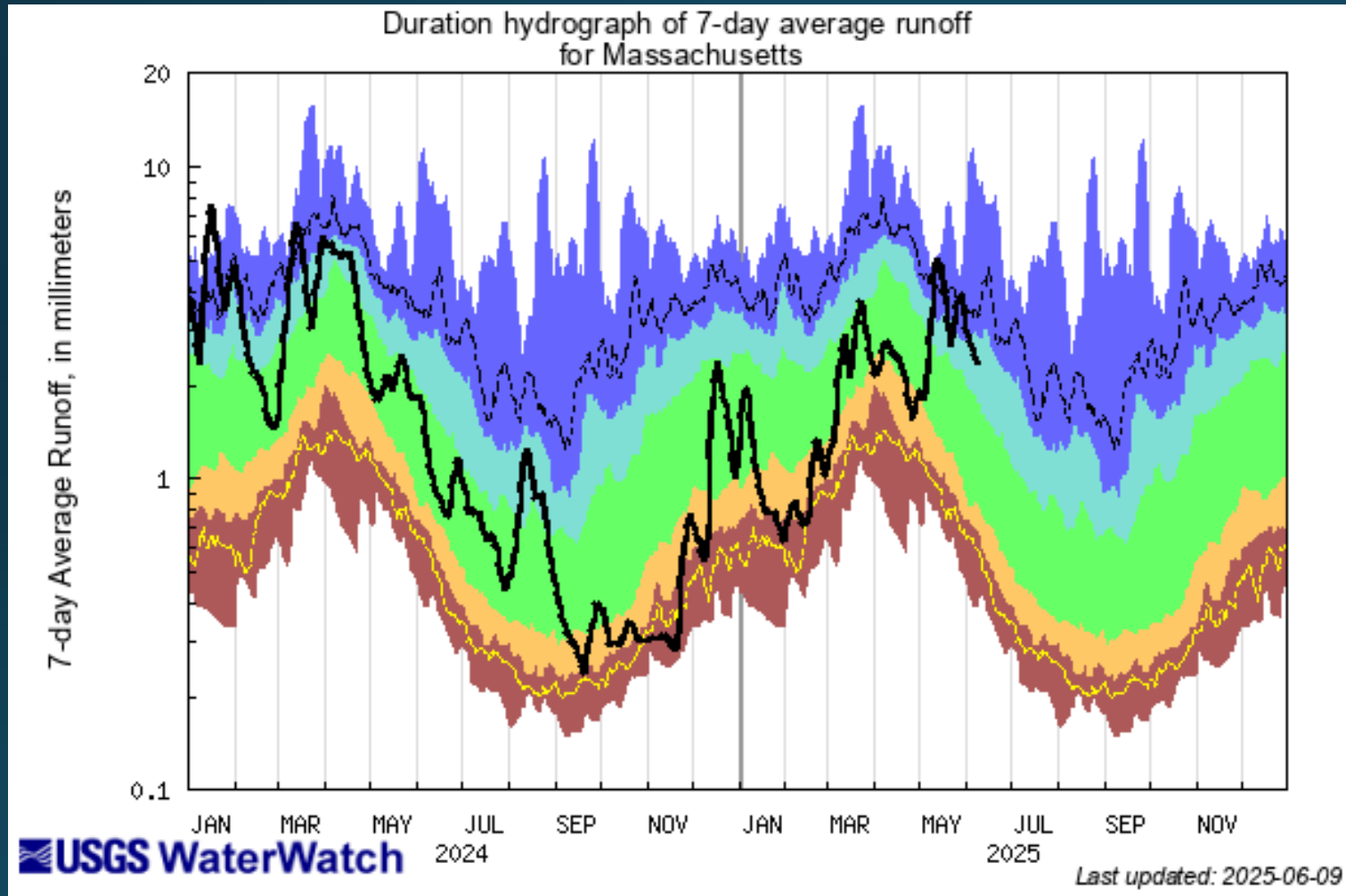


# Streamflow Conditions – last 45 days



Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# Streamflow Conditions 7-Day Moving Average

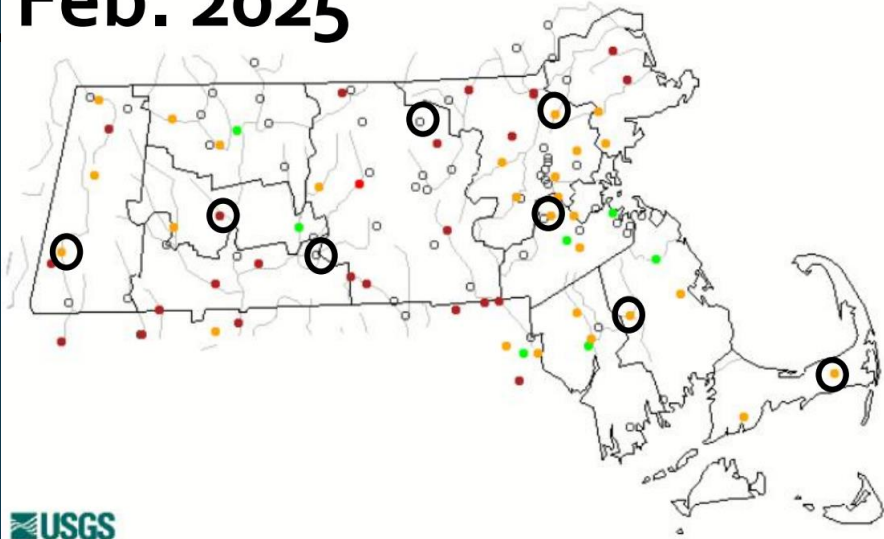


Explanation - Percentile classes							
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile-highest	Runoff
Much below Normal	Below normal	Normal	Above normal	Much above normal			

# Streamflow Conditions – Monthly Average

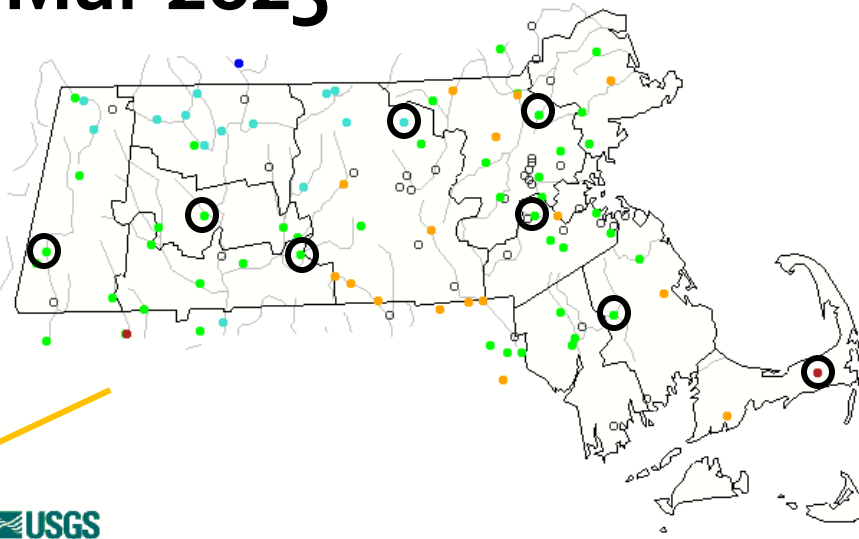
Feb. 2025

February 2025



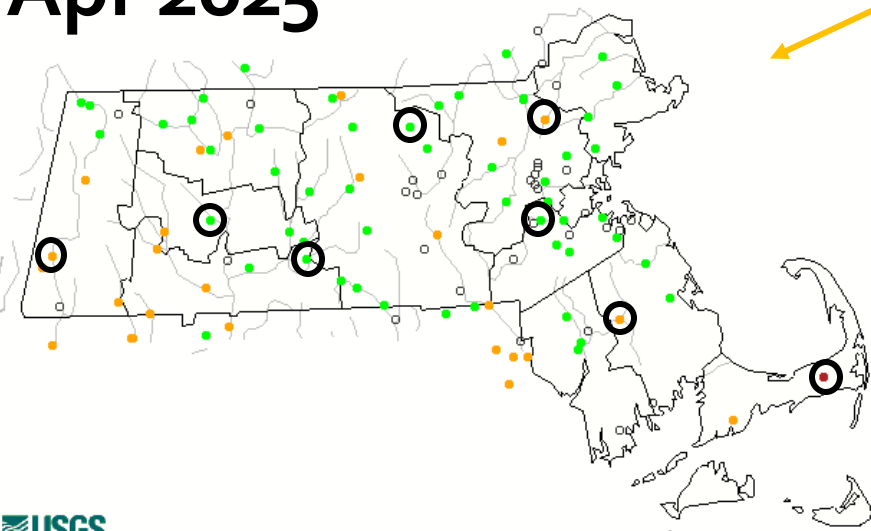
Mar 2025

March 2025



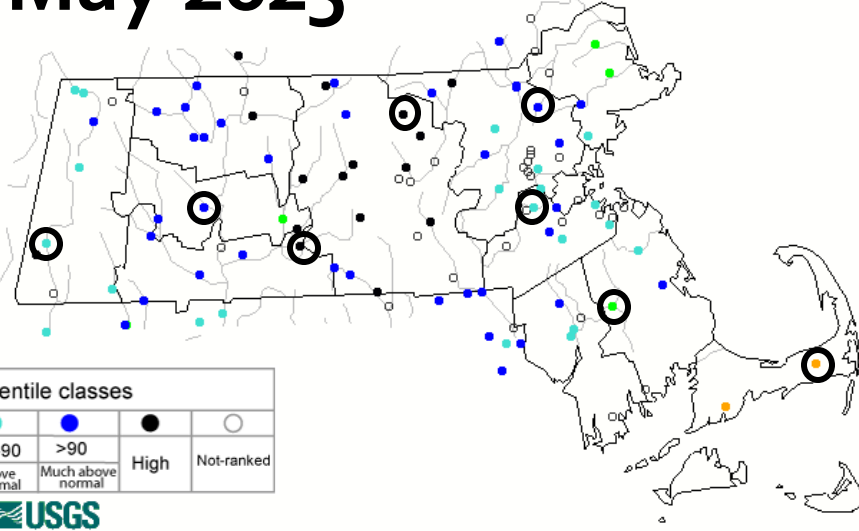
Apr 2025

April 2025



May 2025

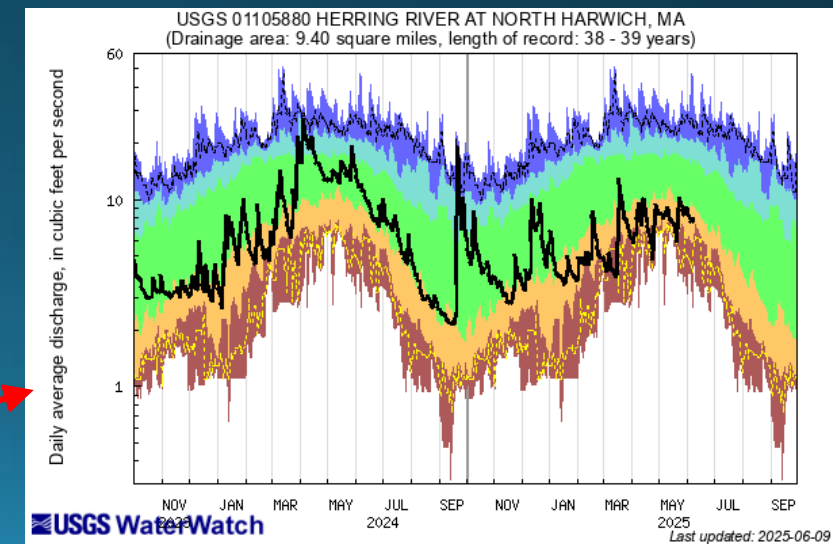
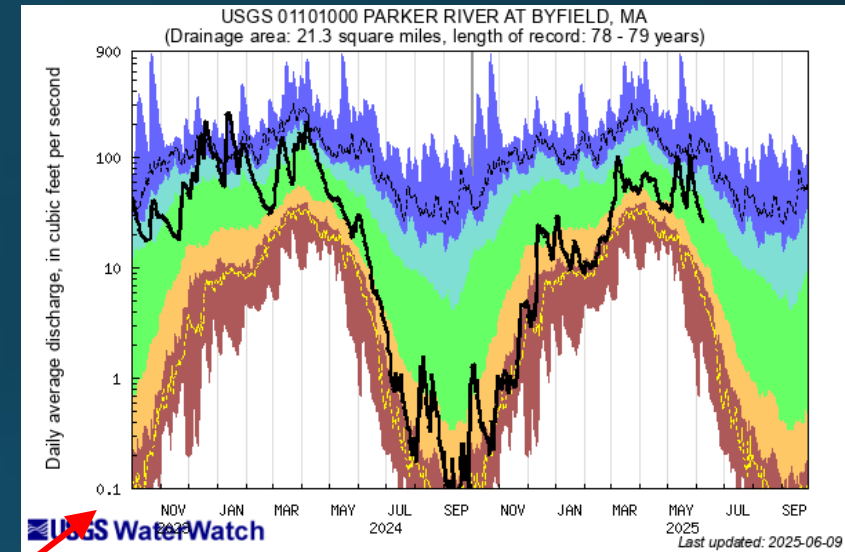
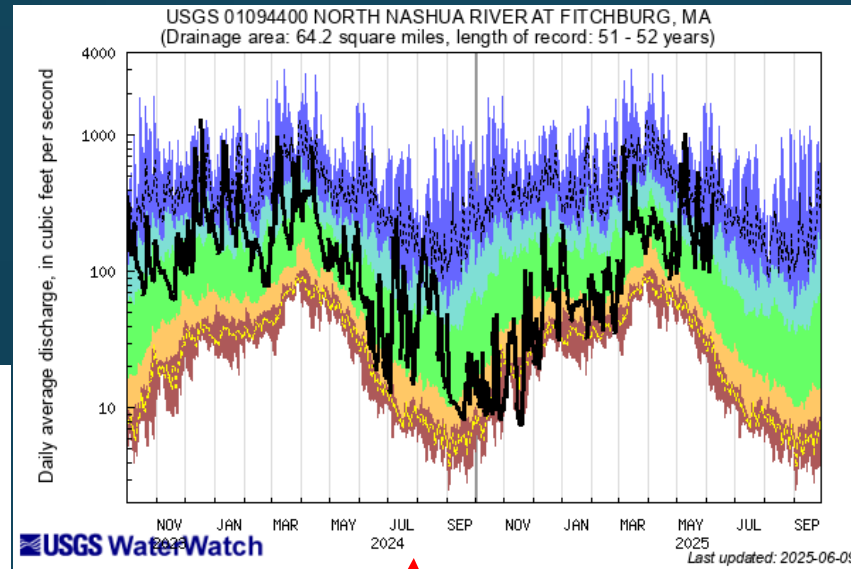
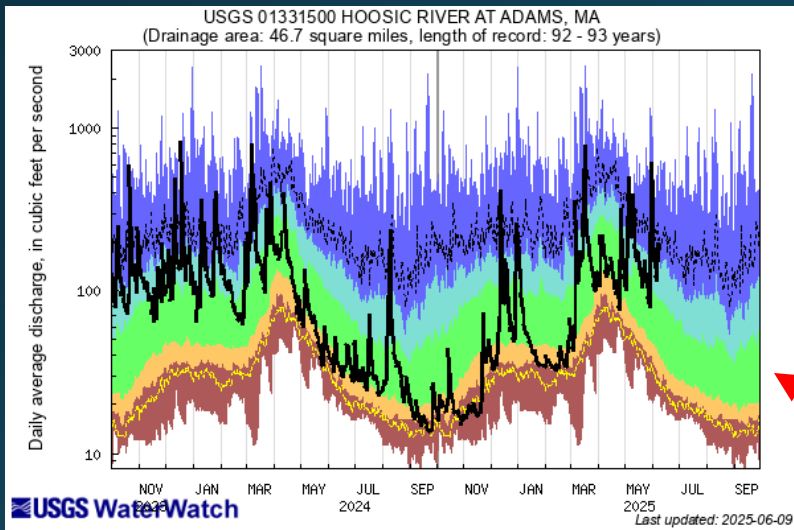
May 2025



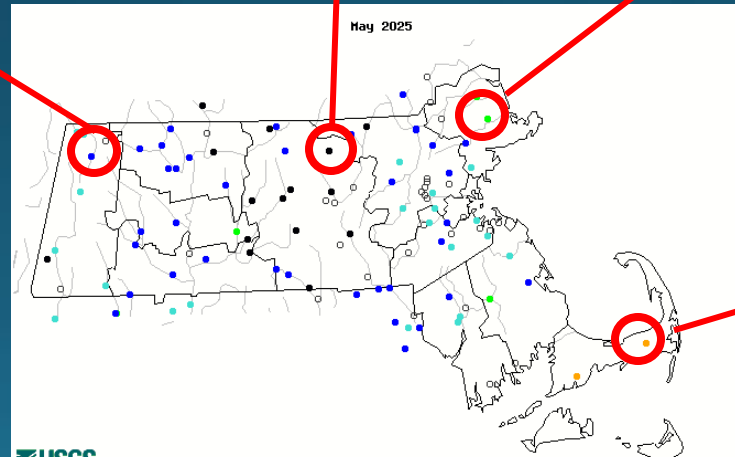
Explanation - Percentile classes

Low	<10	10-24	25-75	76-90	>90	High	Not-ranked
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# SW Conditions 7-Day Average

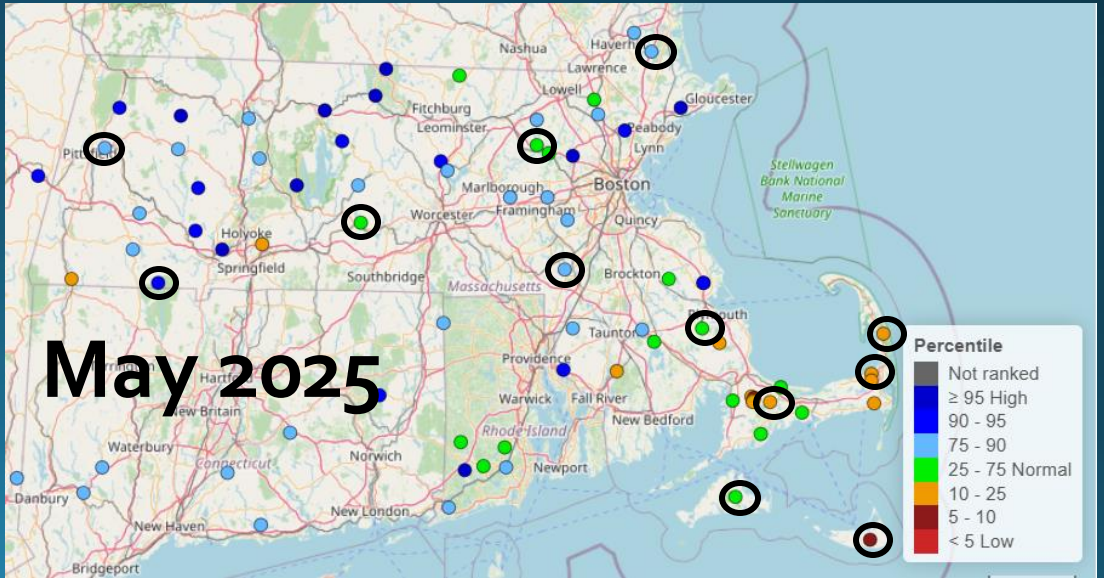
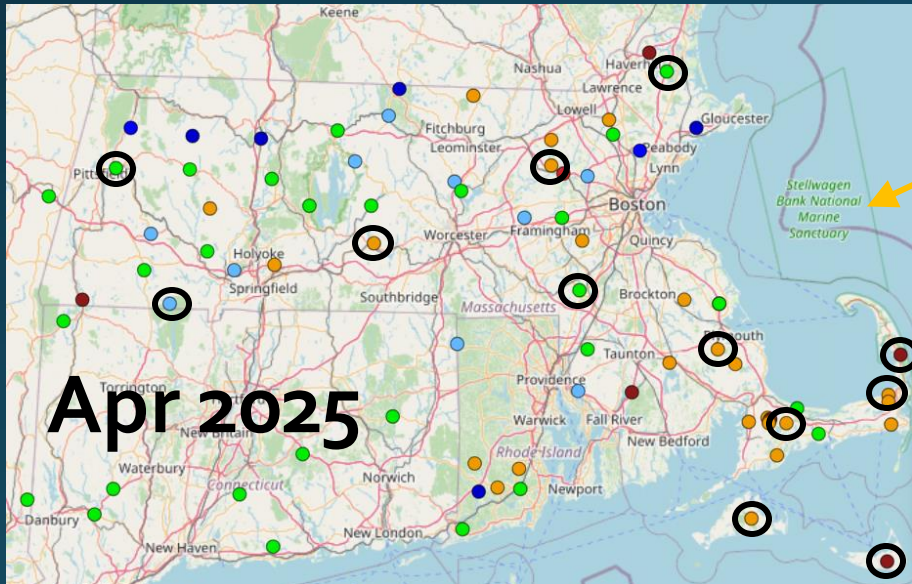
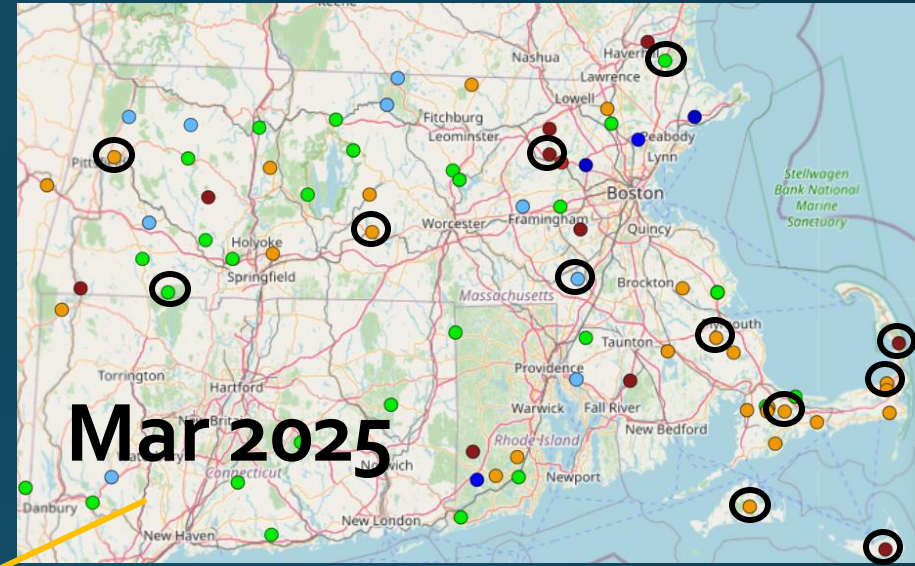


Explanation - Percentile classes						Runoff
lowest-10th percentile	5	10-24	25-75	76-90	95	
Much below Normal	Below normal	Normal	Above normal	Much above normal		

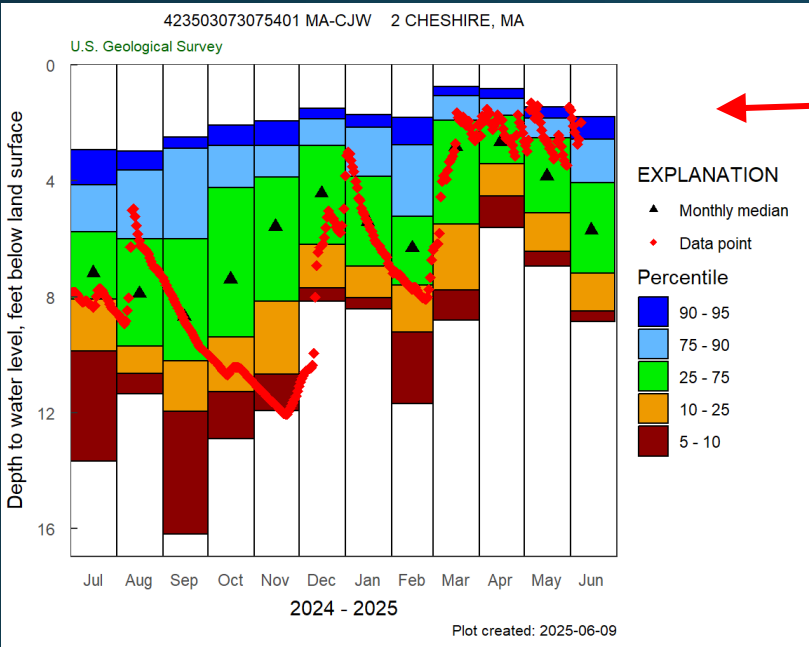




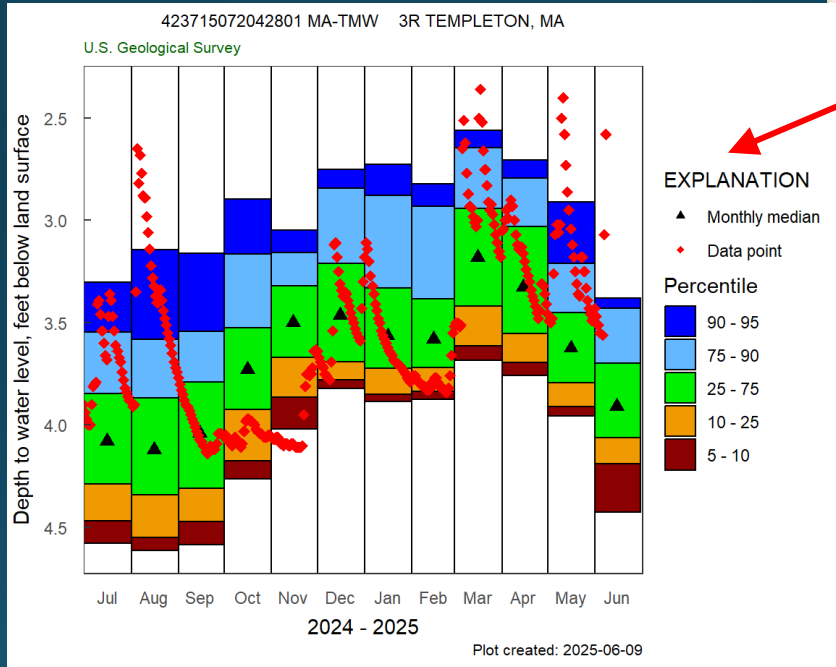
# Groundwater Conditions –End of Month



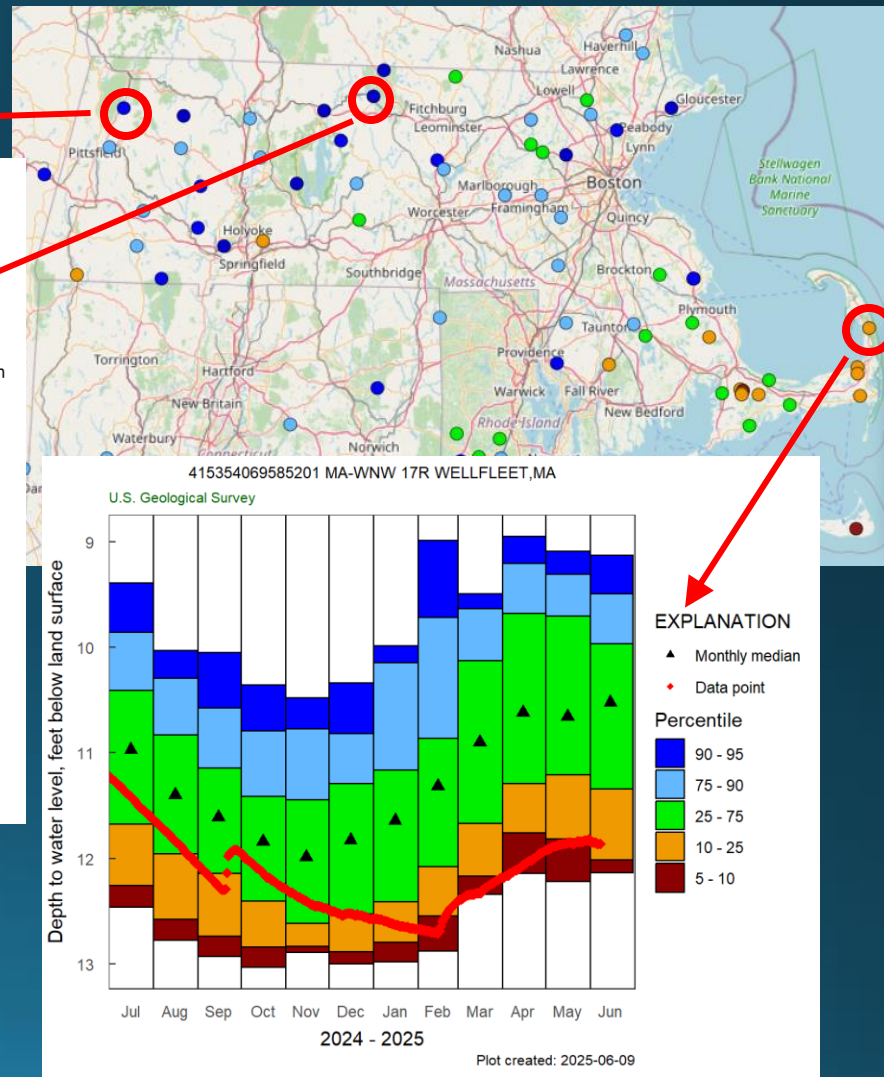
# Groundwater Conditions – Specific Wells



Period of Record: 70 yrs; Cont. 0.6 yrs



Period of Record: 66 yrs; Cont. 5 yrs



Period of Record: 62 yrs; Cont. 6 yrs



# Summary of Conditions

- Significant improvement from April to May for both streamflow and groundwater level conditions across Massachusetts.
- Streamflow conditions on the Cape are still below normal, but improved during May. Streamflow elsewhere in the Commonwealth was above normal at all but 4 gages, which were normal.
- Groundwater levels percentiles increased at nearly every well monitored from April to May, with levels generally above normal everywhere in May except the Cape and Nantucket.