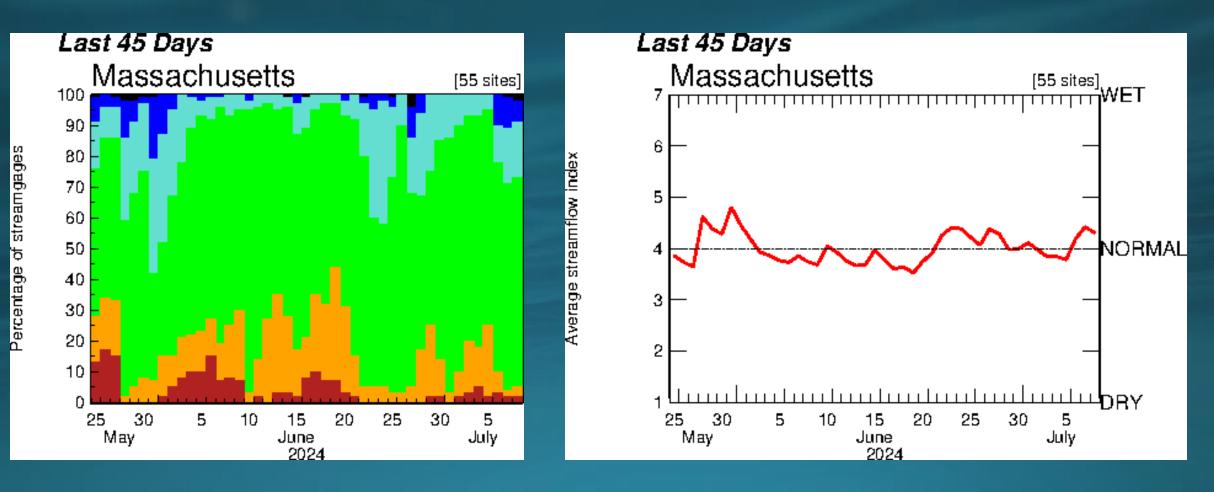
Streamflow and Groundwater Conditions in Western Massachusetts

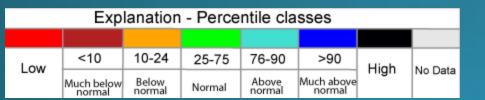
Massachusetts Drought Task Force Meeting July 10, 2024

> U.S. Geological Survey New England Water Science Center Brian Loving, Jason Pollender, and Chris Bruet

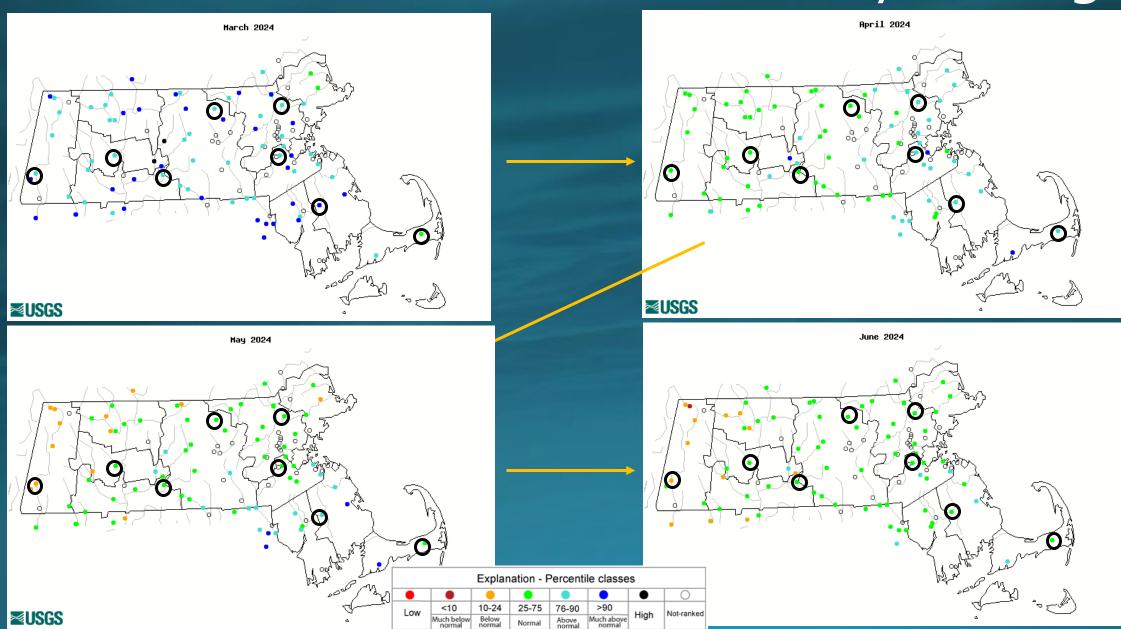


Streamflow Conditions – last 45 days

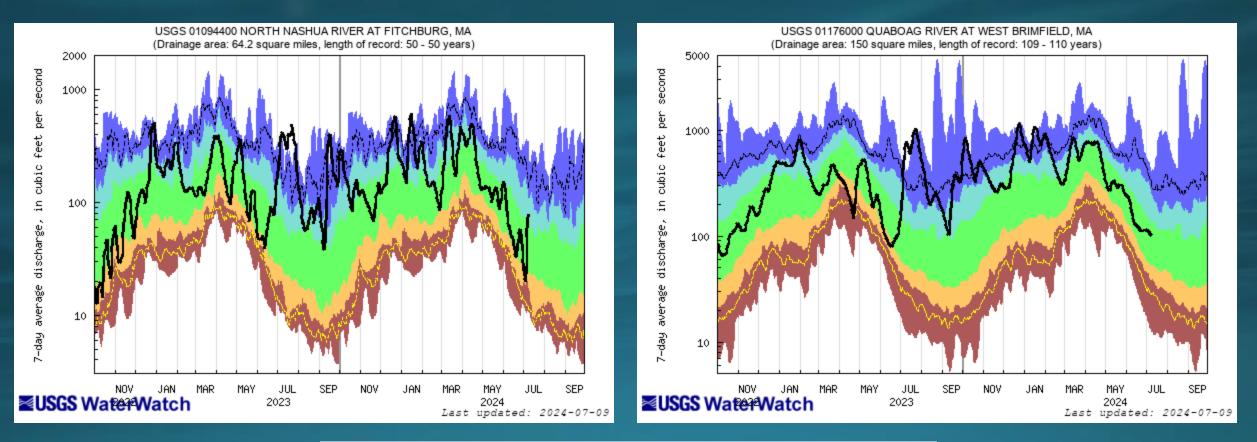




Streamflow Conditions – Monthly Average

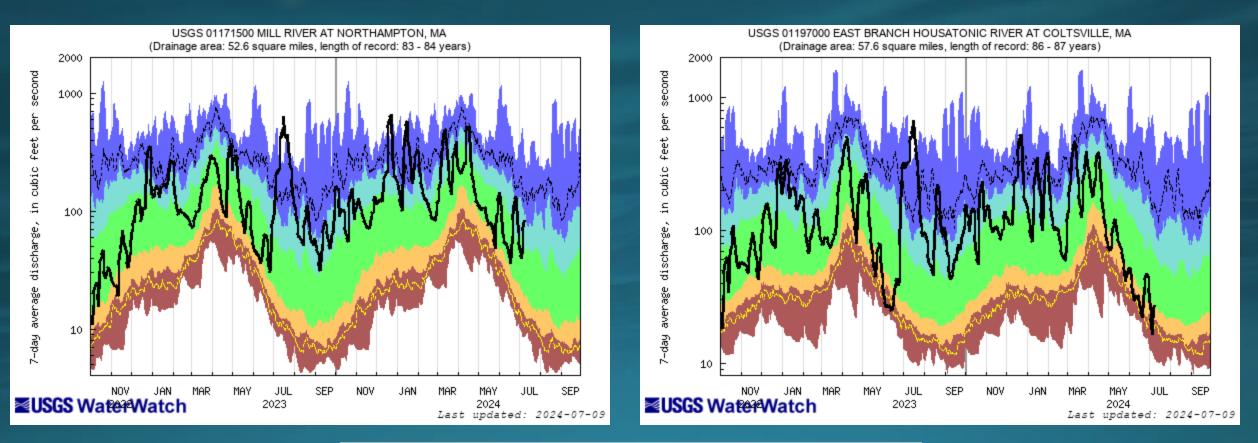


Central Region 7-Day Average



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						

Connecticut Valley and Western Regions



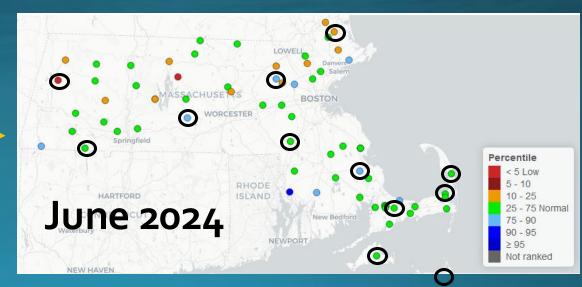
Explanation - Percentile classes											
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff				
Much below Normal		Below normal	Normal	Above normal	Much above normal						

Groundwater Conditions – End of Month

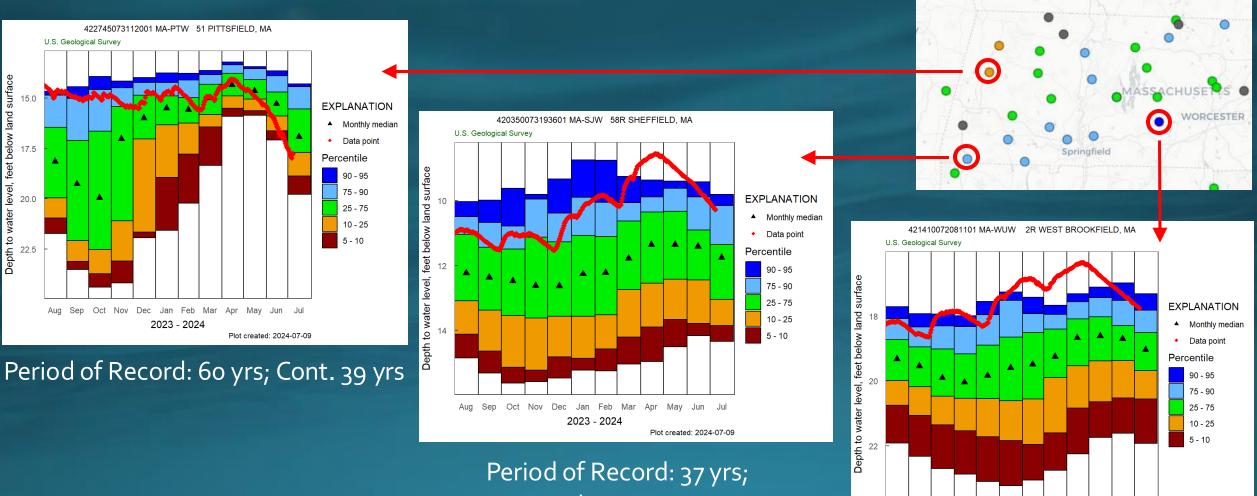








GW - Central, CT Valley, and Western Regions



continuous 5 yrs

Period of Record: 64 yrs; Cont. 6 yrs

Plot created: 2024-07-09

Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul 2023 - 2024

Summary of Conditions

 Streamflow conditions have generally moved from above normal to normal over the last 3 months across Massachusetts, with the Cape and Islands still a little above normal by the end of June and parts of the Hoosic, Housatonic, and Connecticut River basins a little below normal in May and June.

 By late June, GW levels were normal to above normal statewide at USGSmonitored continuous wells, except for wells in the upper Hoosic and Housatonic basins, which were a little below normal.