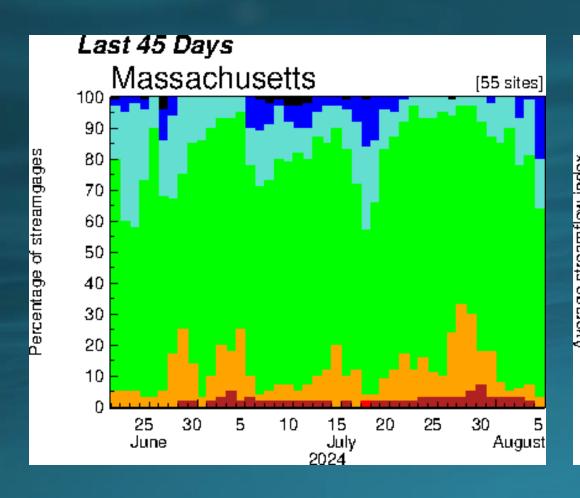
# Streamflow and Groundwater Conditions in Massachusetts

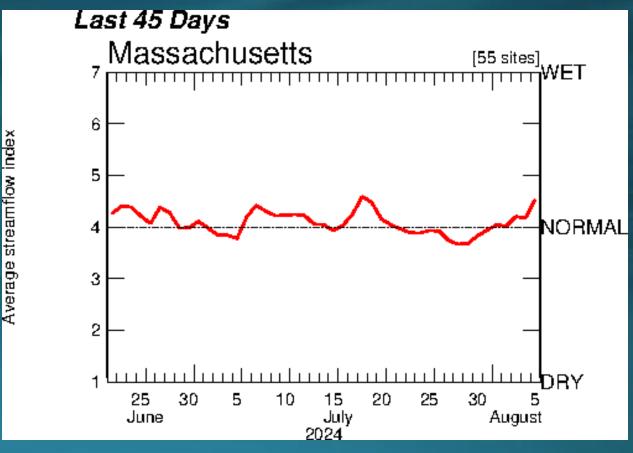
#### Massachusetts Drought Task Force Meeting August 6, 2024

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



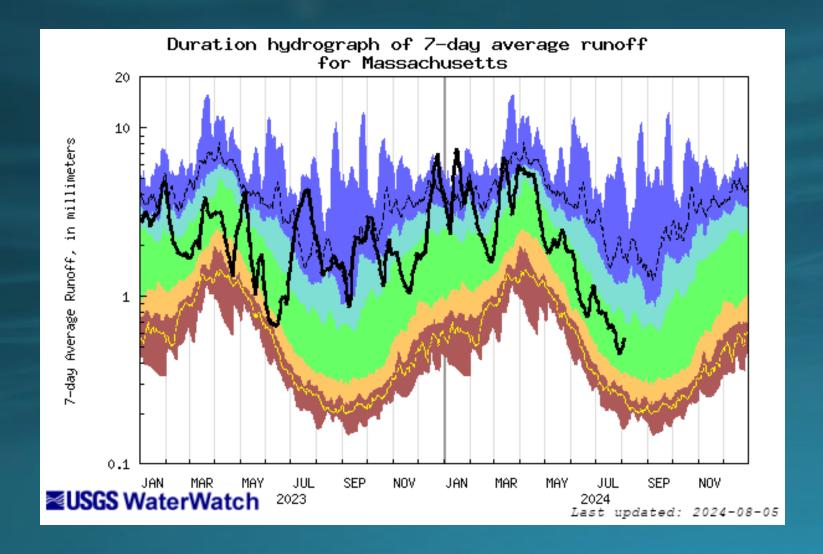
## Streamflow Conditions – last 45 days





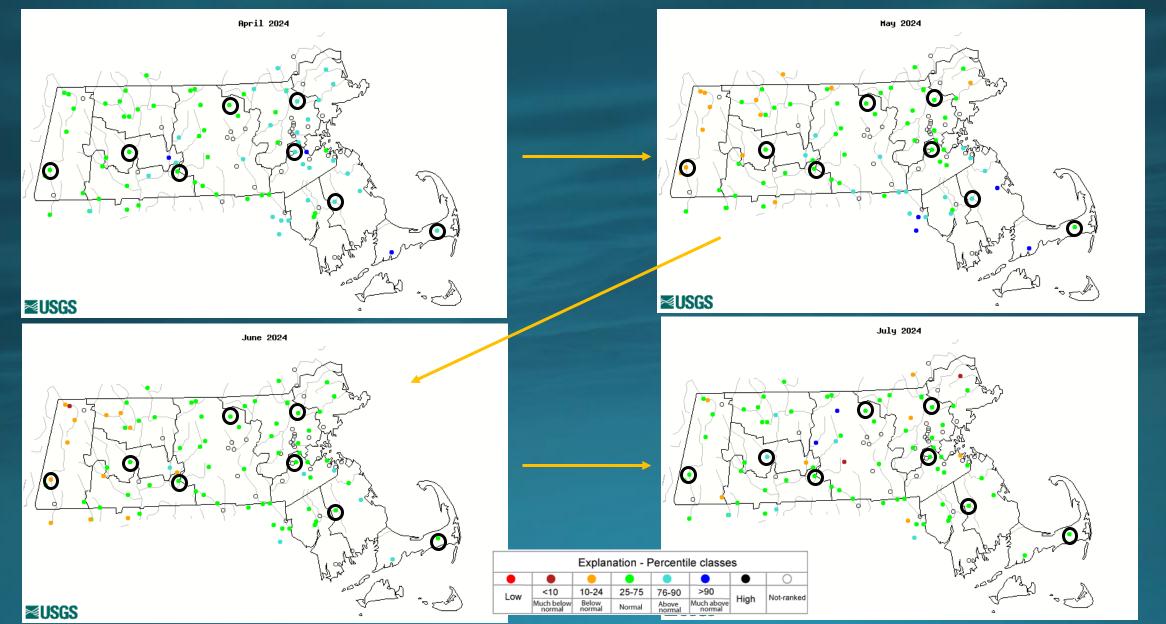
	Explanation - Percentile classes											
Ī	Low	<10	10-24	25-75	76-90	>90	High	No Data				
		Much below normal	Below normal	Normal	Above normal	Much above normal						

### Streamflow Conditions 7-Day Moving Average



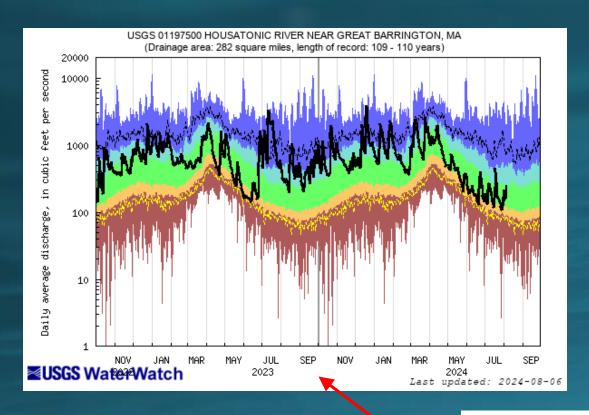
Explanation - Percentile classes											
							_				
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff				
Much below	Normal	Below normal	Normal	Above normal	Much above normal						

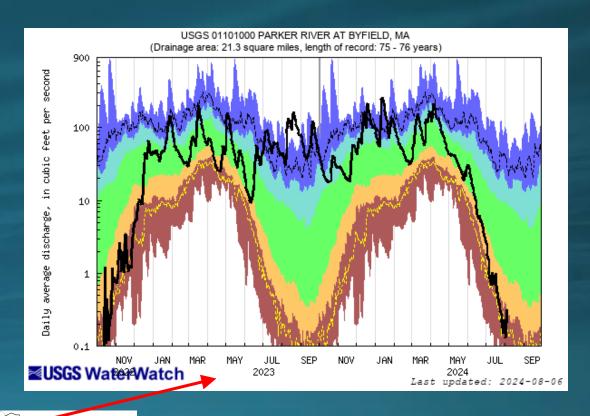
## Streamflow Conditions – Monthly Average

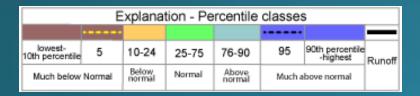


#### **SW Conditions**

## 7-Day Average







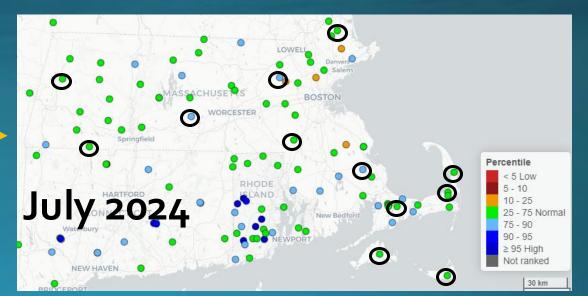


#### Groundwater Conditions – End of Month

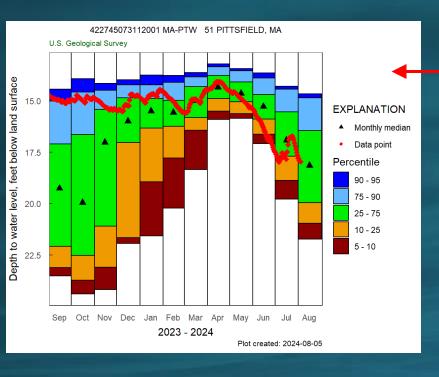




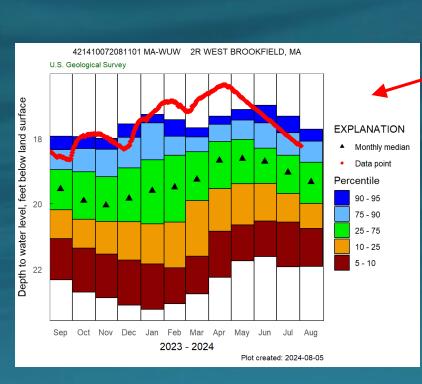




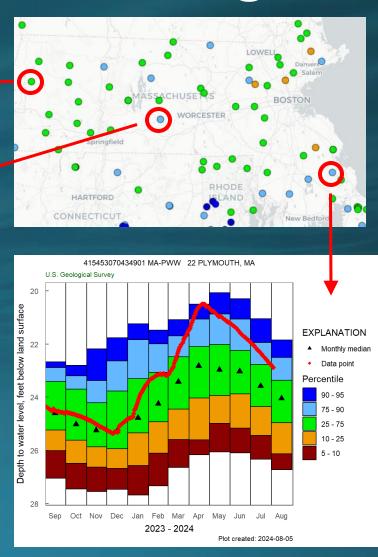
#### GW - Western, Central, and Southeast Regions



Period of Record: 60 yrs; Cont. 39 yrs



Period of Record: 64 yrs; Cont. 6 yrs



Period of Record: 64 yrs; Cont. 10 yrs

## **Summary of Conditions**

- Streamflow conditions generally moved into the normal flow range across Massachusetts during July after having below normal flows in the 3 westernmost regions in June.
- Groundwater levels generally moved into the normal to above normal range across Massachusetts during July after having below normal levels at several climate response wells in the northern part of the state in June.