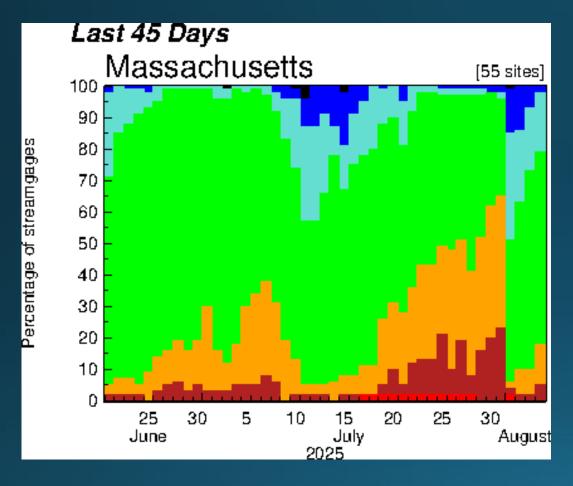
# Streamflow and Groundwater Conditions in Massachusetts

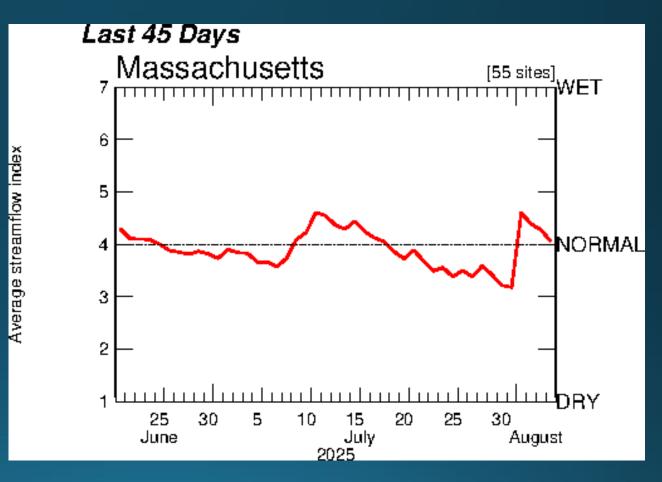
#### Massachusetts Drought Task Force Meeting August 6, 2025

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



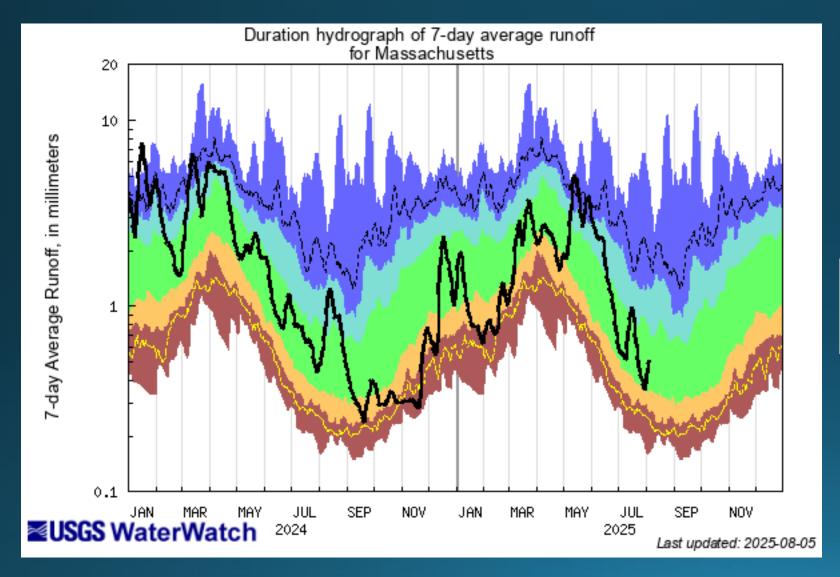
## Streamflow Conditions – last 45 days





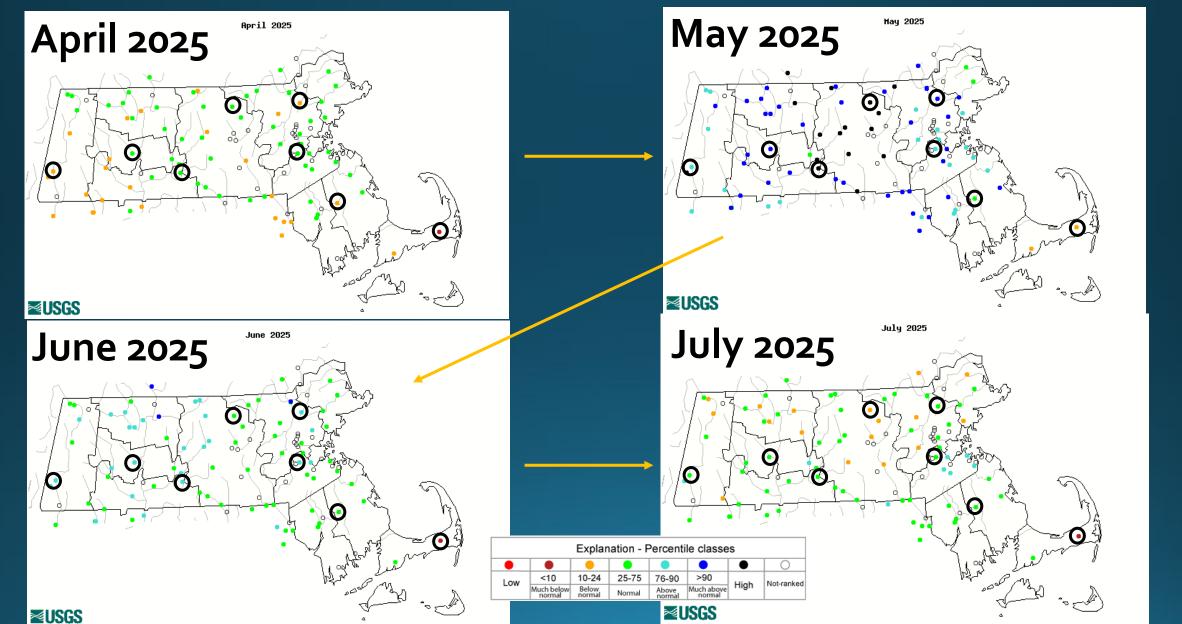
Explanation - Percentile classes									
Low	<10	10-24	25-75	76-90	>90	High	No Data		
LOW	Much below normal	Below normal	Normal	Above normal	Much above normal				

### Streamflow Conditions 7-Day Moving Average

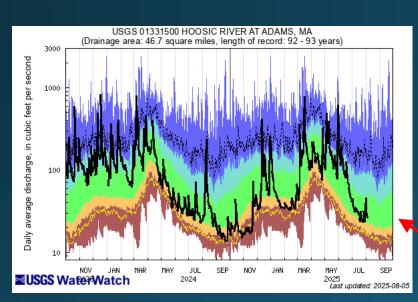


Explanation - Percentile classes								
							_	
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff	
Much below Normal		Below normal	Normal	Above normal	Much above normal			

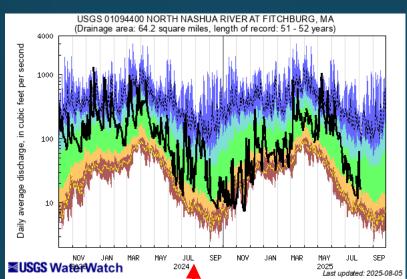
### Streamflow Conditions – Monthly Average



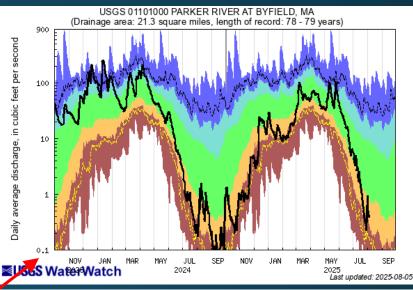
# SW Conditions 7-Day Average

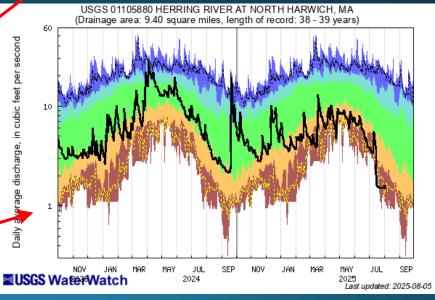


Explanation - Percentile classes									
							_		
lowest- 10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff		
Much below	Normal	Below normal	Normal	Above normal	Much above normal				



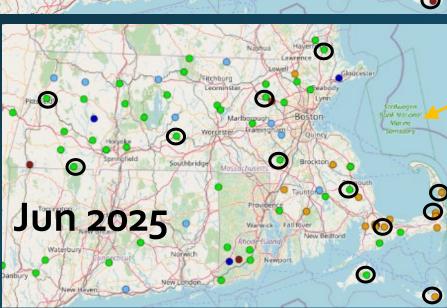


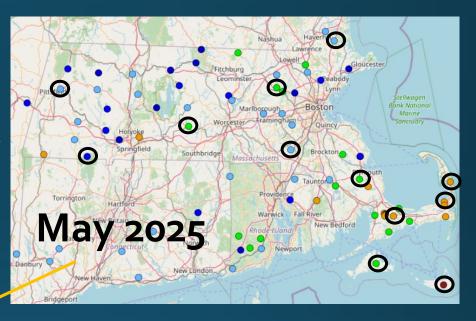


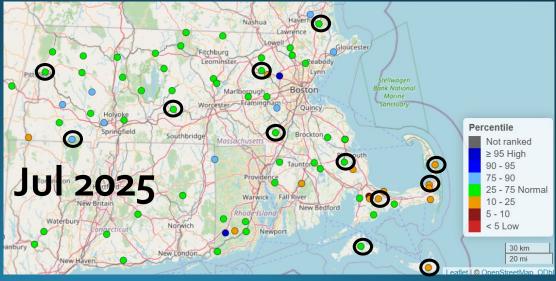


#### Groundwater Conditions –End of Month

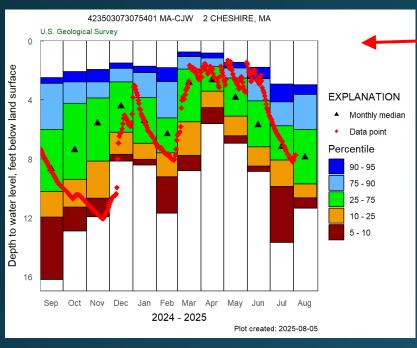




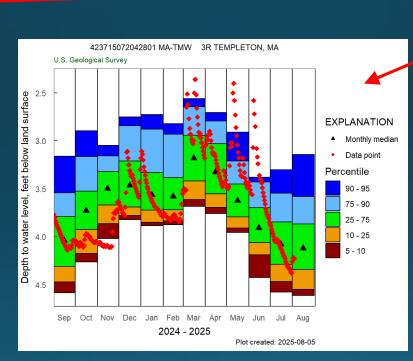




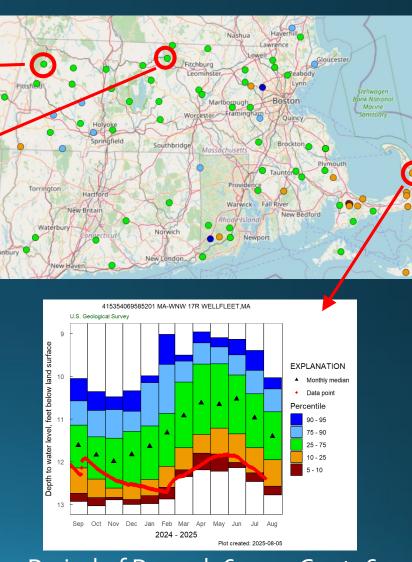
# Groundwater Conditions – Specific Wells



Period of Record: 70 yrs; Cont. o.6 yrs



Period of Record: 66 yrs; Cont. 5 yrs



Period of Record: 62 yrs; Cont. 6 yrs

#### **Summary of Conditions**

- Normal streamflow conditions in mid July trended towards below normal by month's end, with the Cape continuing to have the lowest flow percentiles. Streams in the mainland portion of the state were more likely to be below normal in the north than in the south.
- Groundwater conditions in July were very similar to what they were in June at most wells, with below normal levels in the Cape and Islands and normal conditions elsewhere.