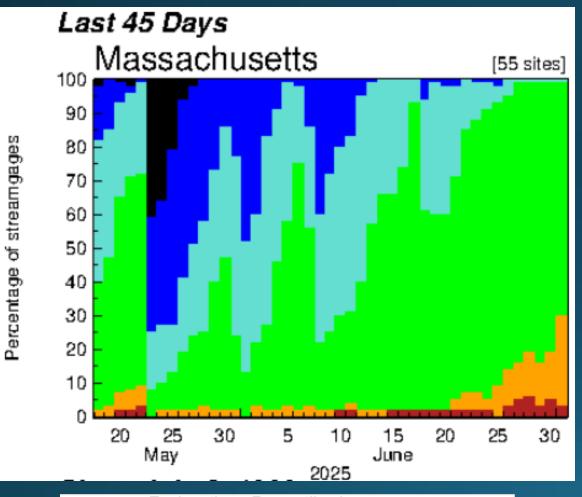
Streamflow and Groundwater Conditions in Massachusetts

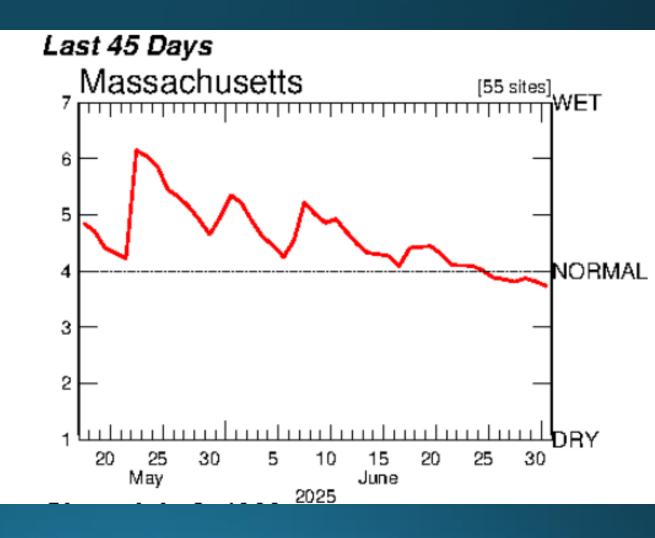
Massachusetts Drought Task Force Meeting July 9, 2025

U.S. Geological Survey
New England Water Science Center
Gardner Bent



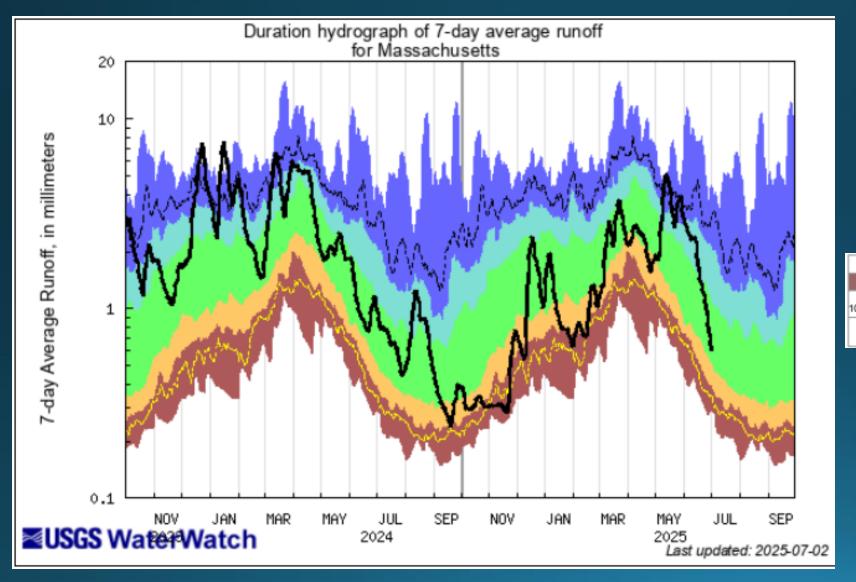
Streamflow Conditions – last 45 days





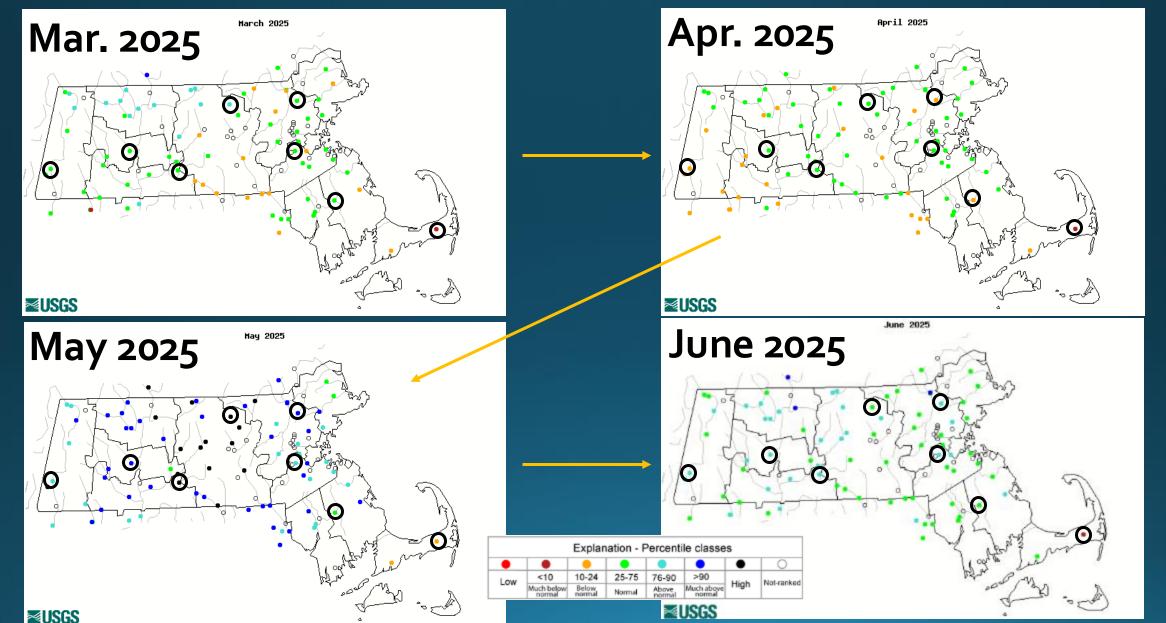
			_	421			
	Exp	lanation	- Perce	ntile cla	sses		
Low	<10	10-24	25-75	76-90	>90	High	No Data
LOW	Much below normal	Below normal	Normal	Above normal	Much above normal		

Streamflow Conditions 7-Day Moving Average

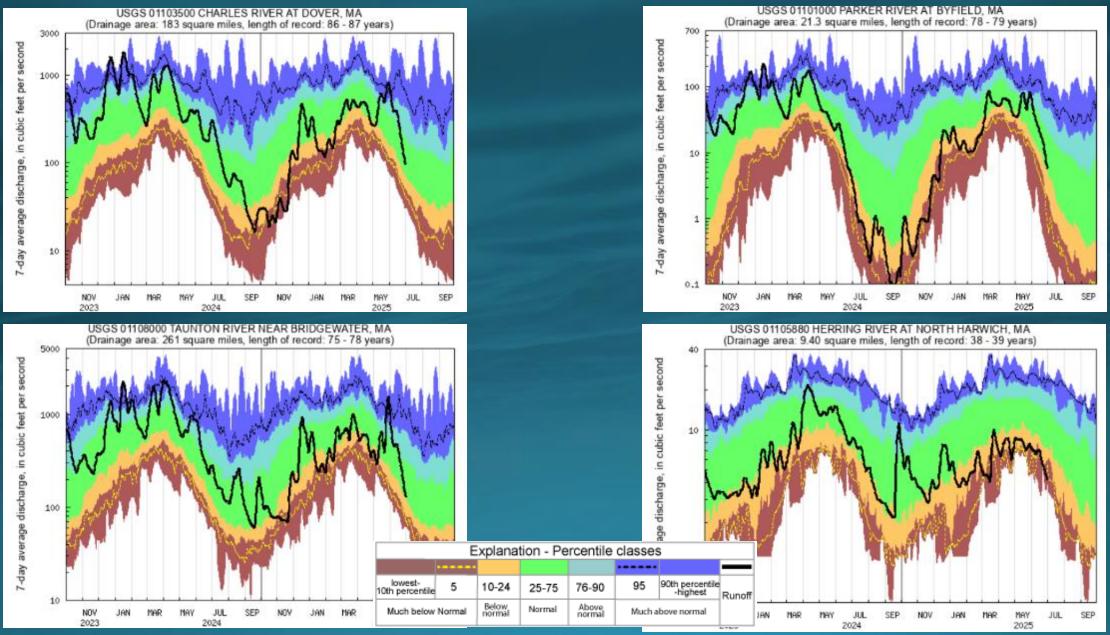


Explanation - Percentile classes											
lowest- Oth percentile	5	10-24	25-75	76-90	95	90th percentile -highest	Runoff				
Much below Normal		Below normal	Normal	Above normal	Much above normal						

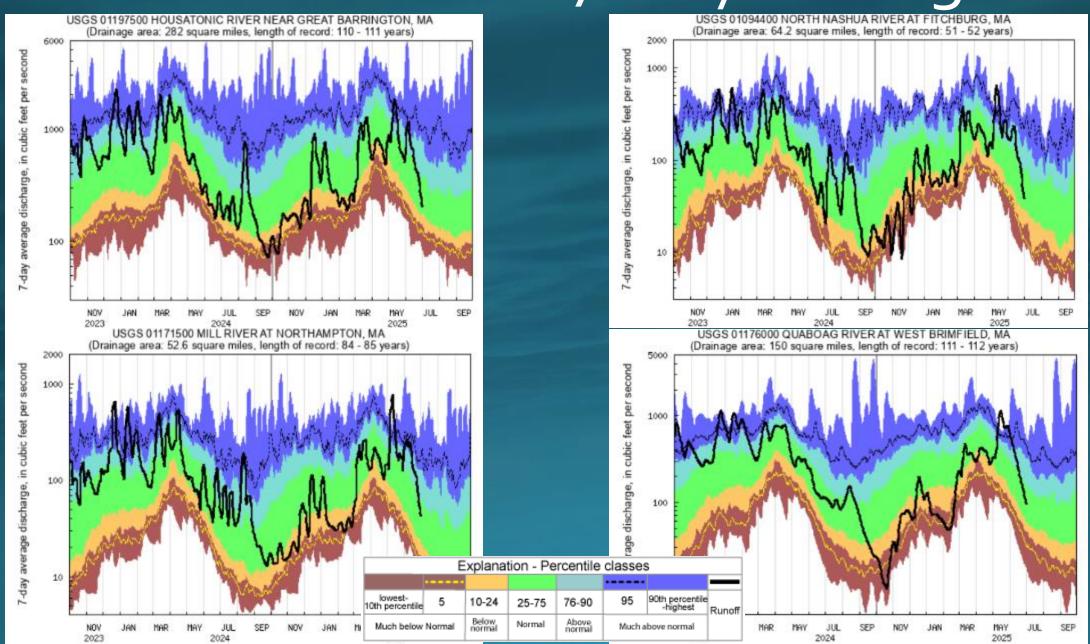
Streamflow Conditions – Monthly Average



SW Conditions – 7-Day Moving Average



SW Conditions 7-Day Average



Groundwater Conditions –End of Month

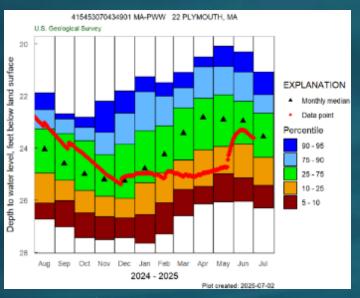




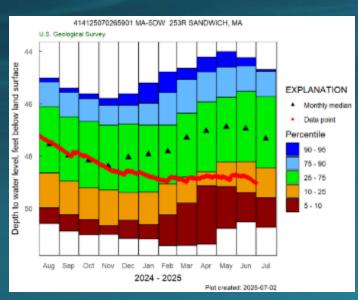




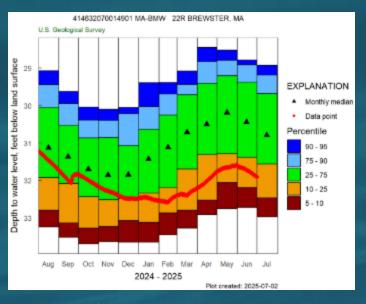
Groundwater Conditions – Selected Wells



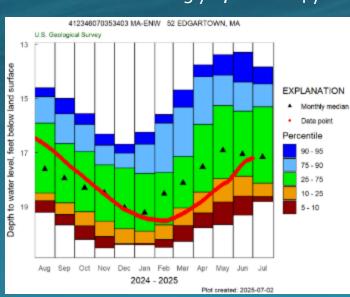
Period of Record: 69 yrs; Cont. 10 yrs



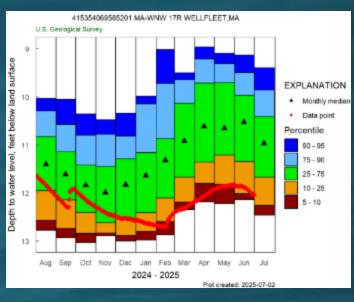
Period of Record: 63 yrs; Cont. 13 yrs



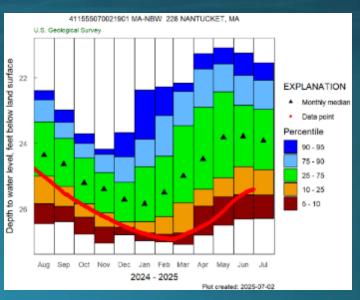
Period of Record: 63 yrs; Cont. 24 yrs



Period of Record: 49 yrs; Cont. 6 yrs

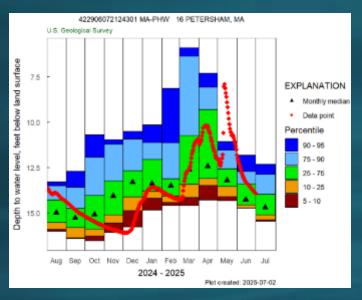


Period of Record: 63 yrs; Cont. 13 yrs

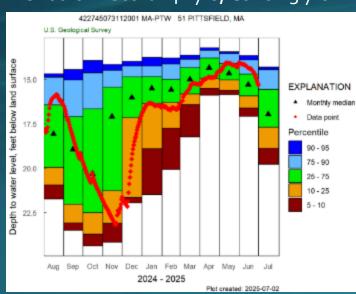


Period of Record: 49 yrs; Cont. 3 yrs

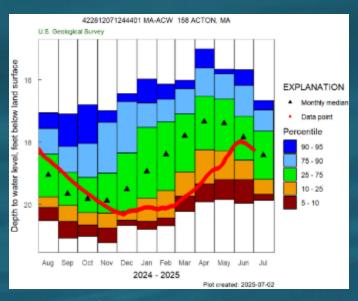
Groundwater Conditions – Selected Wells



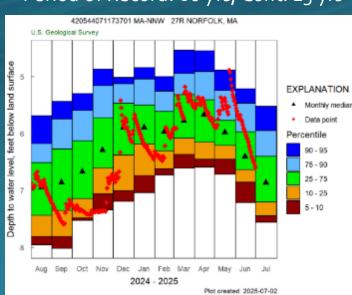
Period of Record: 41 yrs; Cont. 13 yrs



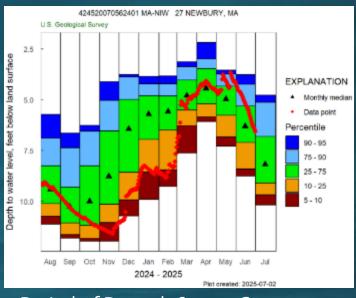
Period of Record: 62 yrs; Cont. 41 yrs



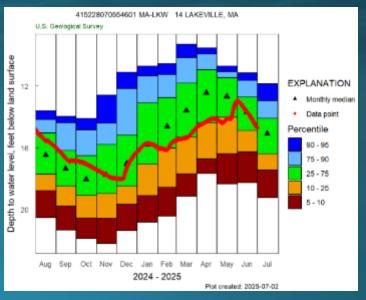
Period of Record: 60 yrs; Cont. 25 yrs



Period of Record: 60 yrs; Cont. 24 yrs



Period of Record: 64 yrs; Cont. 40 yrs



Period of Record: 61 yrs; Cont. 41 yrs

Summary of Conditions

- June streamflow conditions across Massachusetts were normal or above normal, except at Herring River at North Harwich (01105880) on Cape Cod which was much below normal.
- Although, streamflow conditions were mainly normal most gages saw a decrease in their flow percentile during June with below normal precipitation and higher temperatures during the month.
- June groundwater level conditions were mainly normal across much of the State, except for southeastern Massachusetts, Cape Cod, and the Islands where most wells were below normal.
- Groundwater levels in the Plymouth area, Cape Cod, and the Islands have likely reached their highest level for the year, unless there is a significant rain event(s).