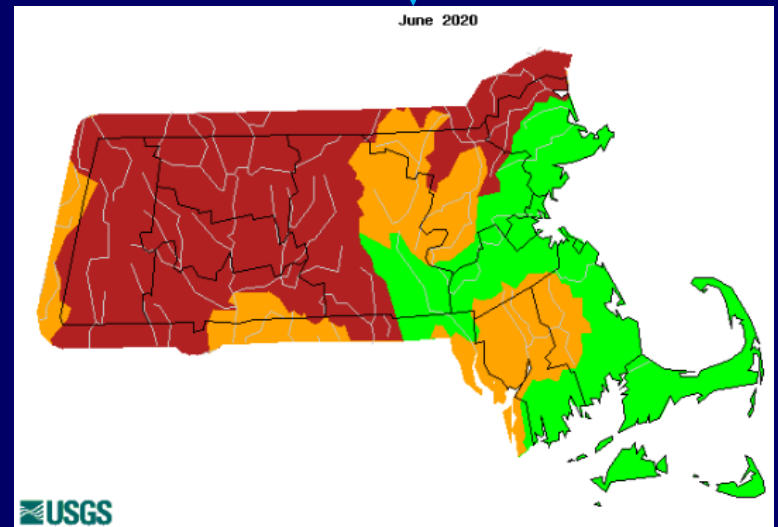
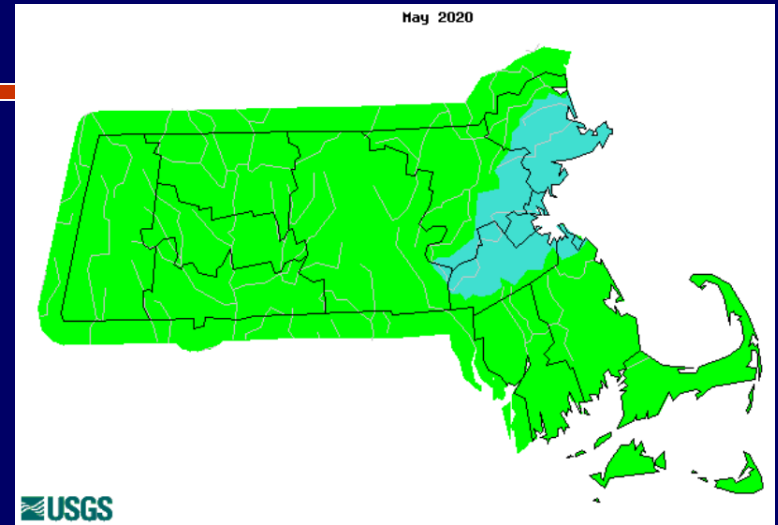
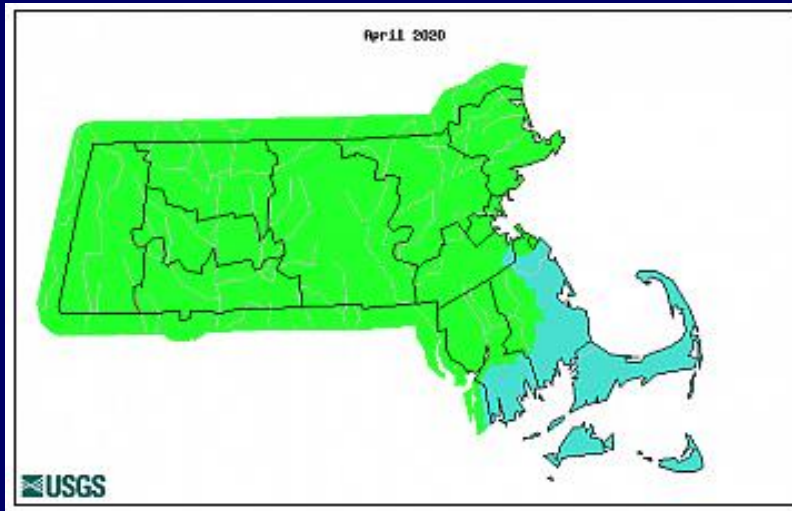

Streamflow and Groundwater Conditions in Massachusetts

Oct. 7, 2020

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



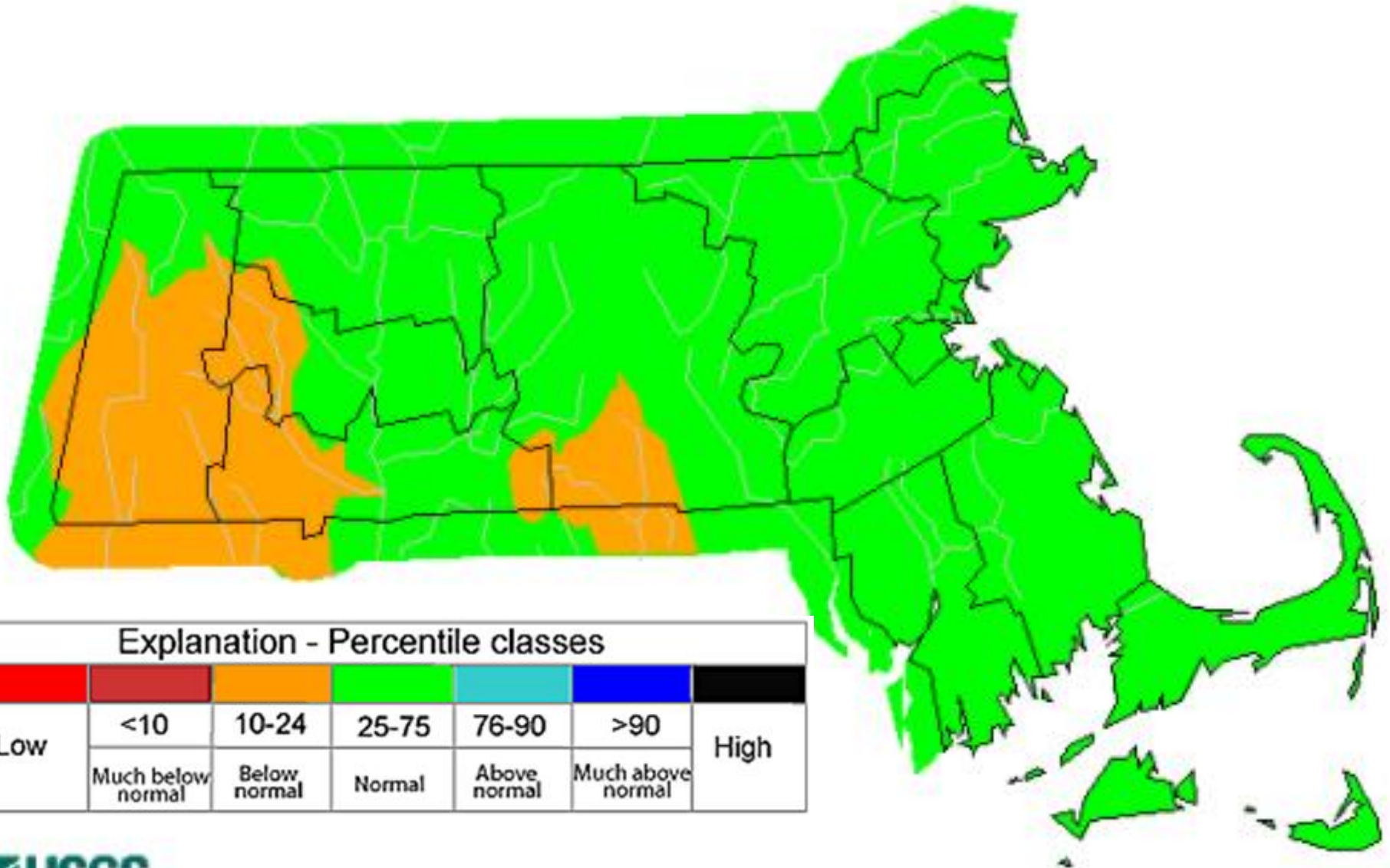
Average Streamflow Conditions – April-June 2020



Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

Average Streamflow Conditions – July 2020

July 2020

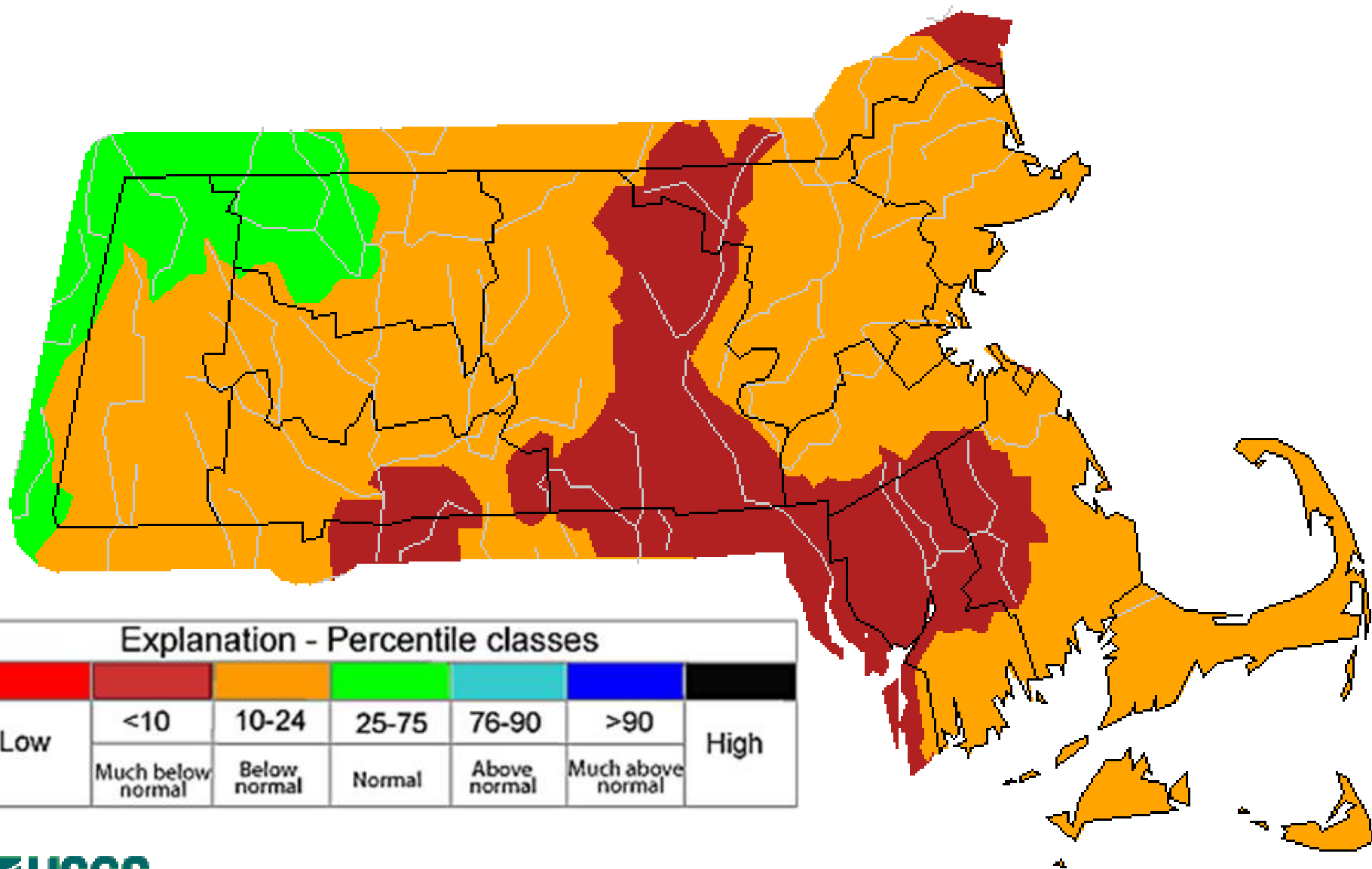


Explanation - Percentile classes

	<10	10-24	25-75	76-90	>90	
Low	Much below normal	Below normal	Normal	Above normal	Much above normal	High

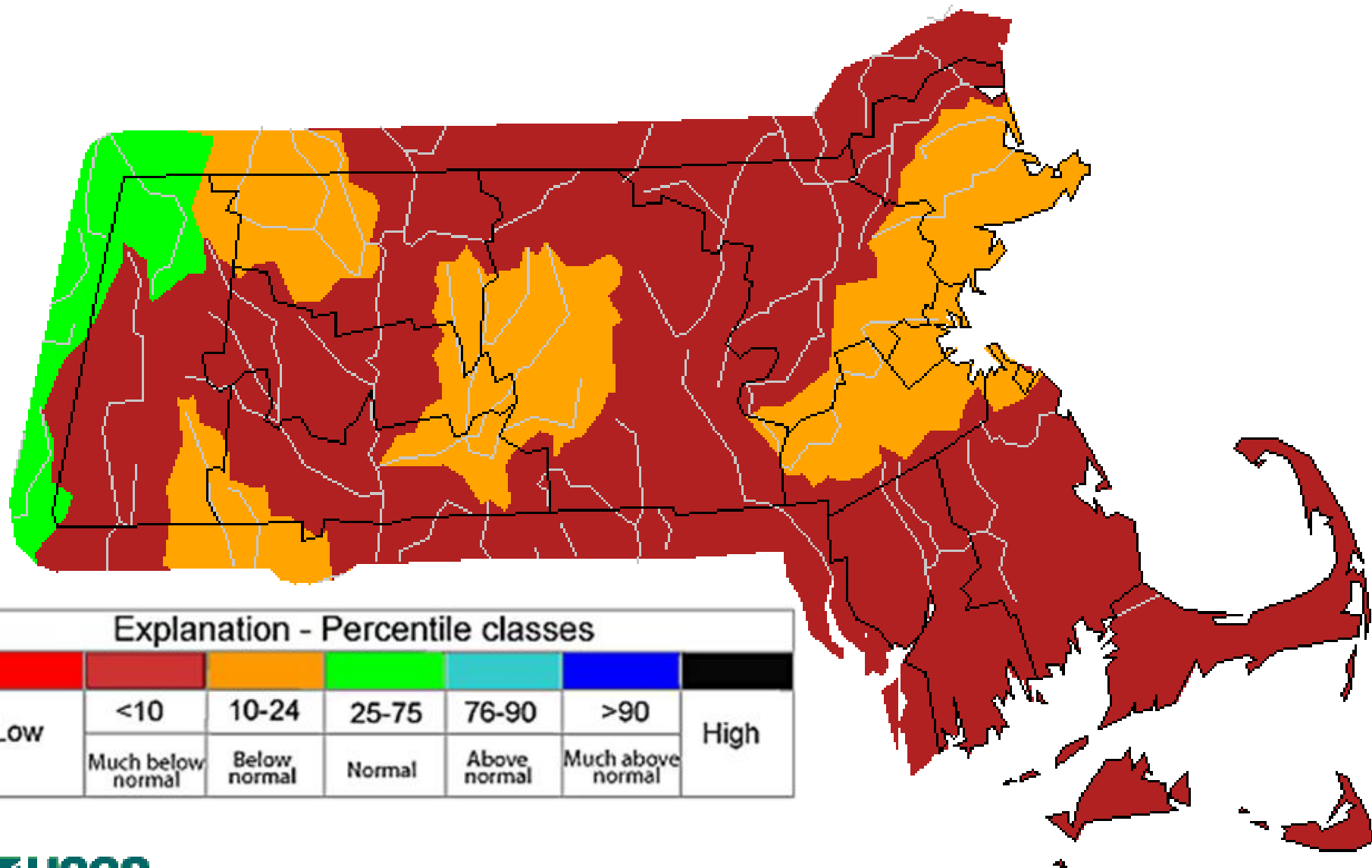
Average Streamflow Conditions – August 2020

August 2020



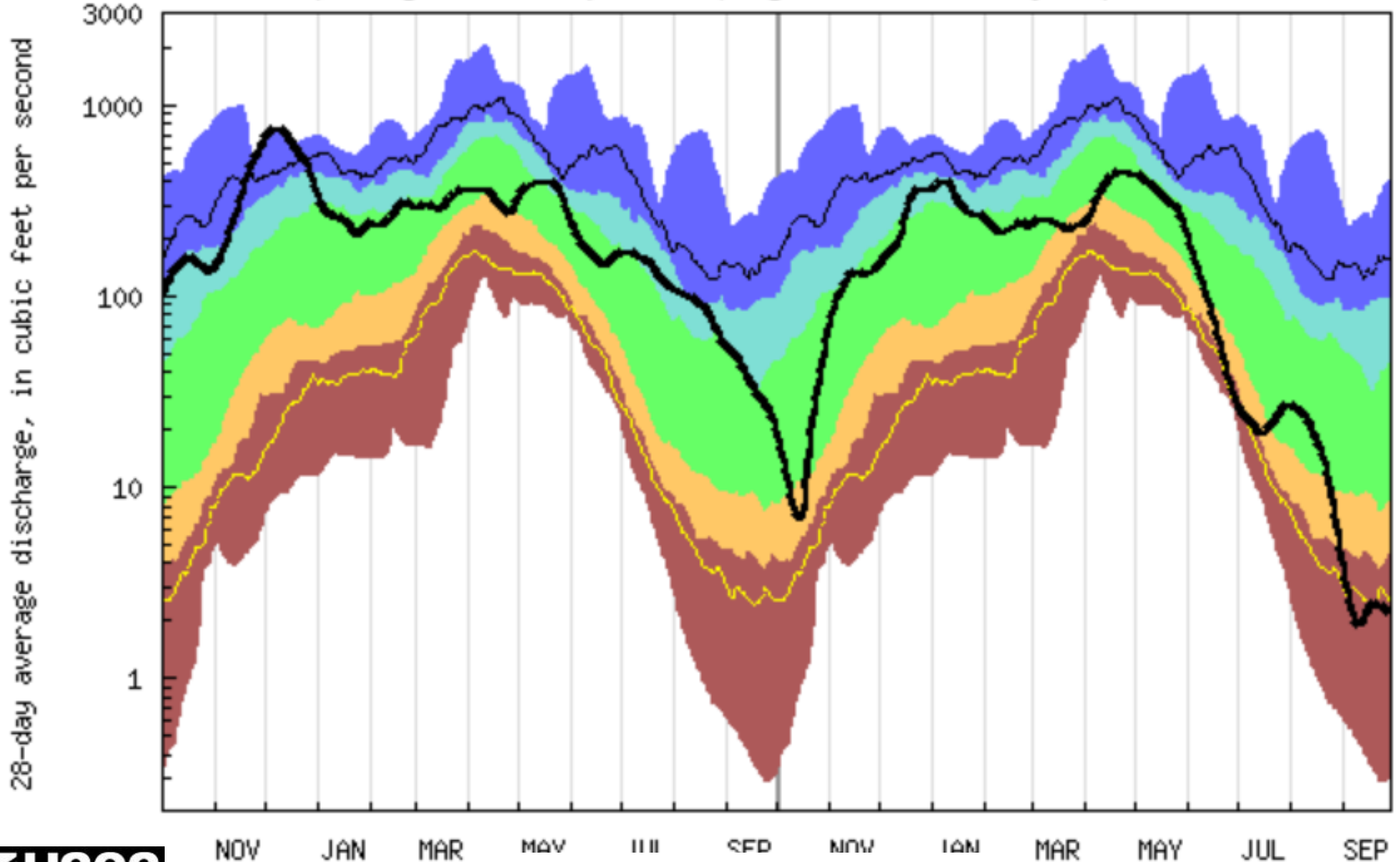
Average Streamflow Conditions – Sept. 2020

September 2020



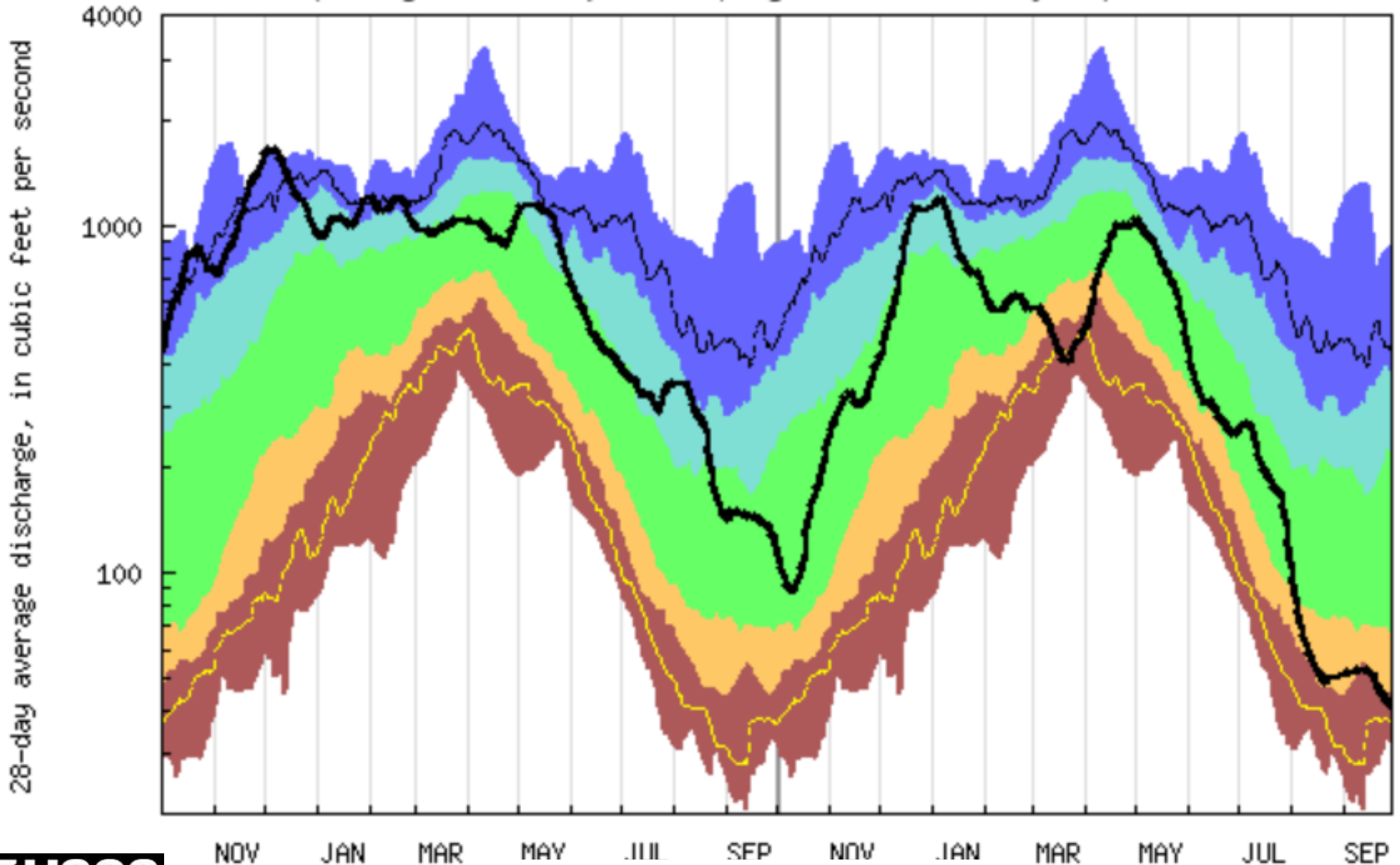
Ipswich River – northeastern MA

USGS 01102000 IPSWICH RIVER NEAR IPSWICH, MA
(Drainage area: 125 square miles, length of record: 89 - 90 years)



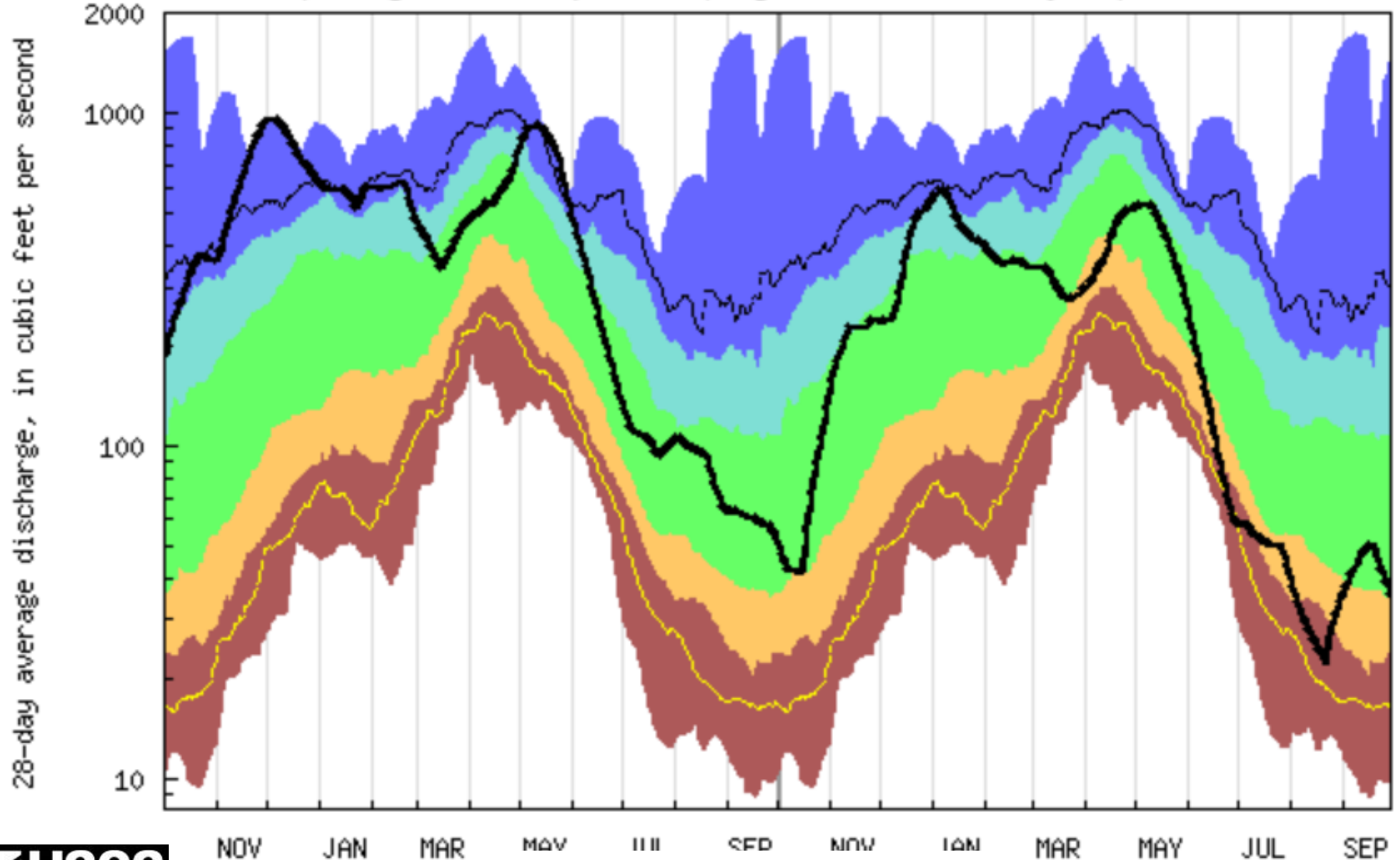
Taunton River – southeastern MA

USGS 01108000 TAUNTON RIVER NEAR BRIDGEWATER, MA
(Drainage area: 261 square miles, length of record: 72 - 74 years)



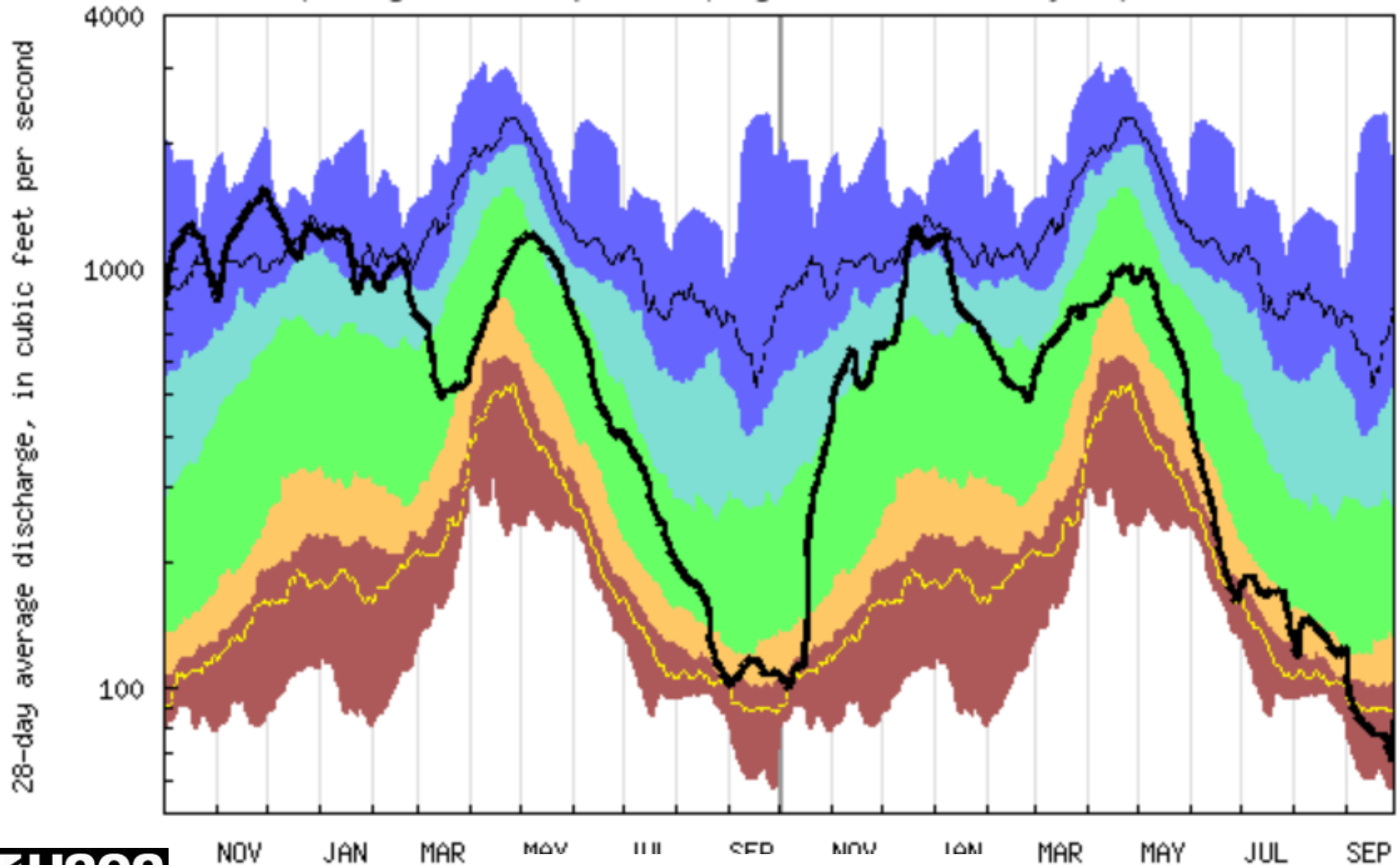
Quaboag River – central MA

USGS 01176000 QUABOAG RIVER AT WEST BRIMFIELD, MA
(Drainage area: 150 square miles, length of record: 107 - 108 years)



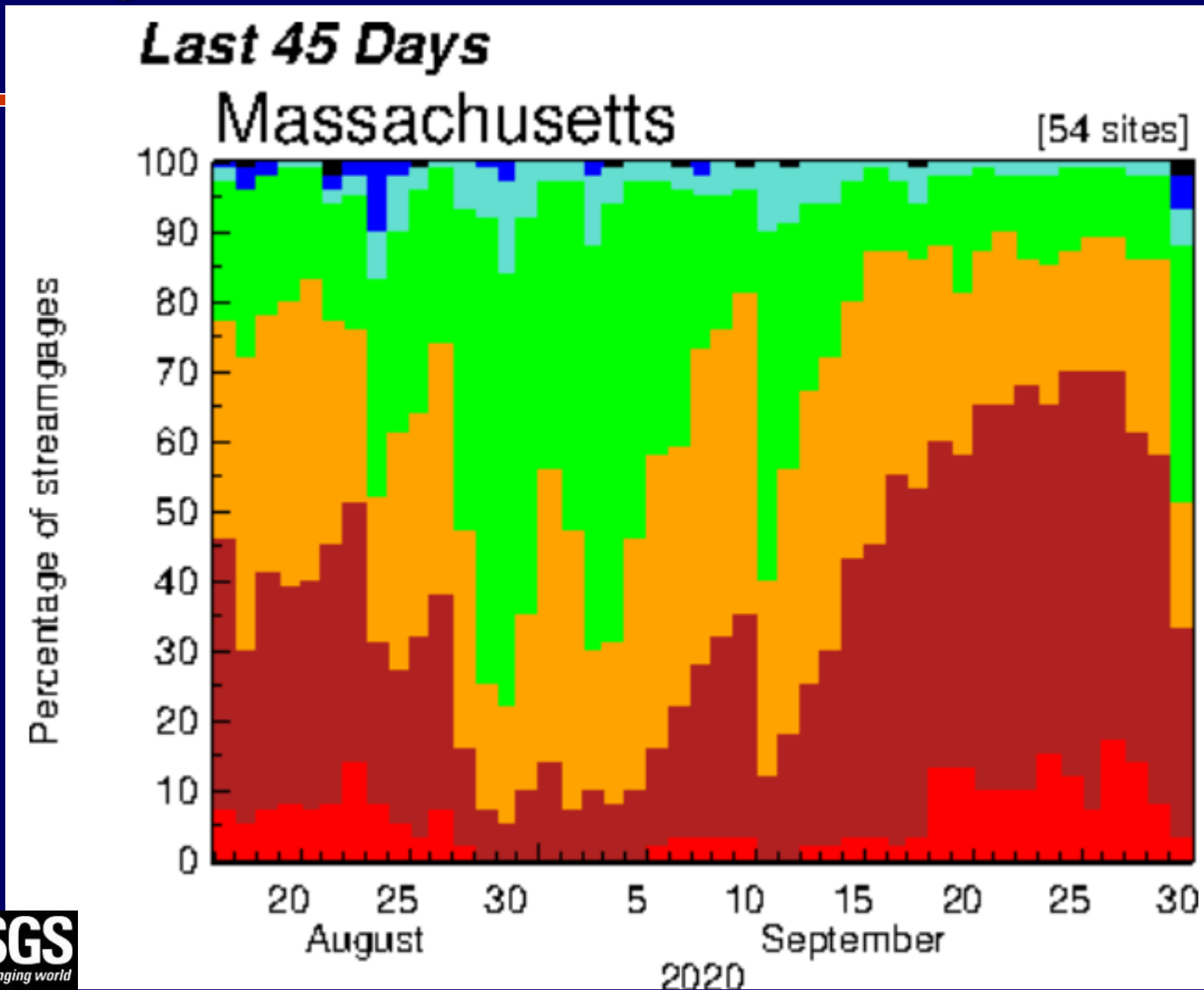
Housatonic River – western MA

USGS 01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA
(Drainage area: 282 square miles, length of record: 106 - 107 years)



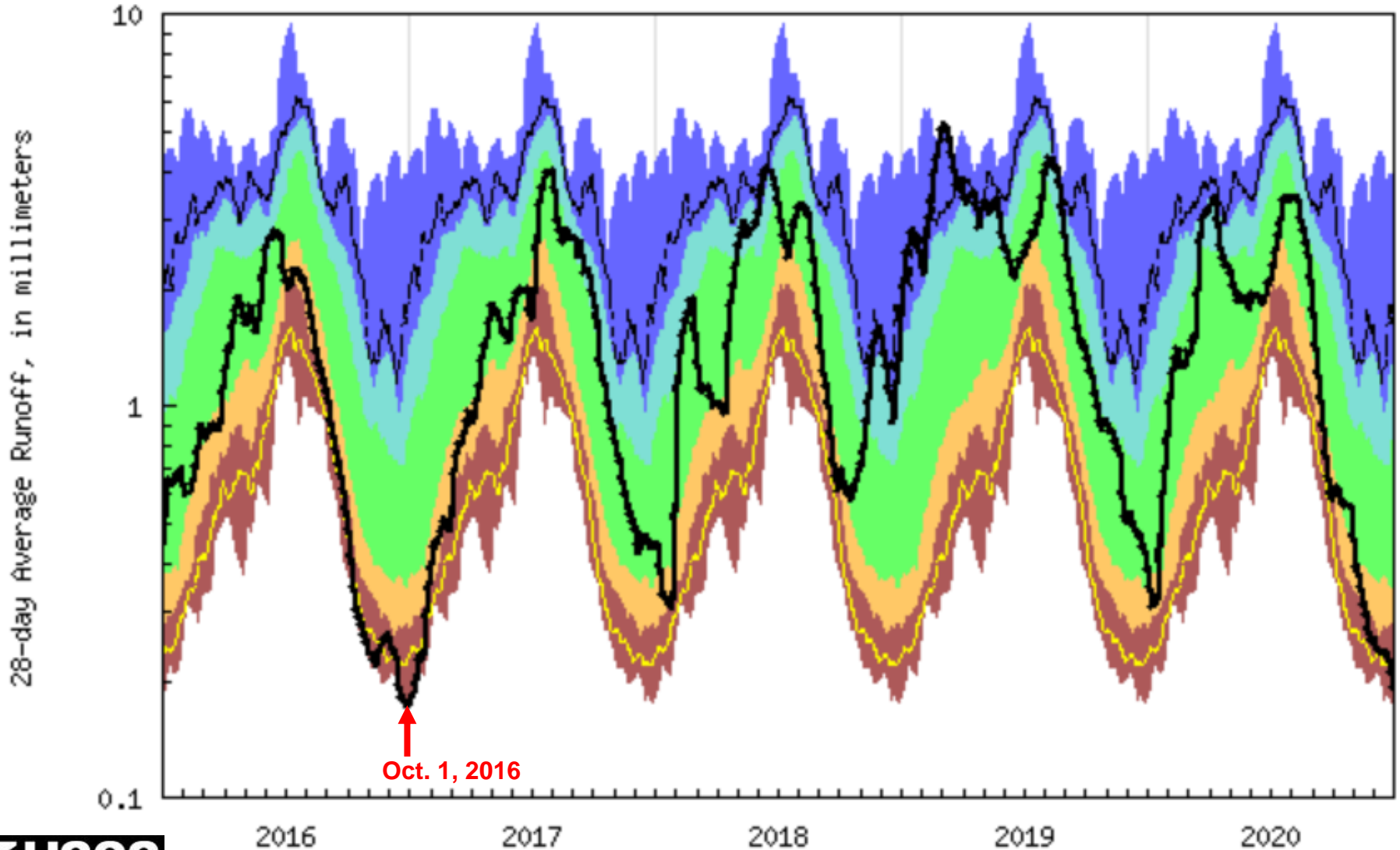
28-day average streamflow

Average runoff – Massachusetts – last 45 days



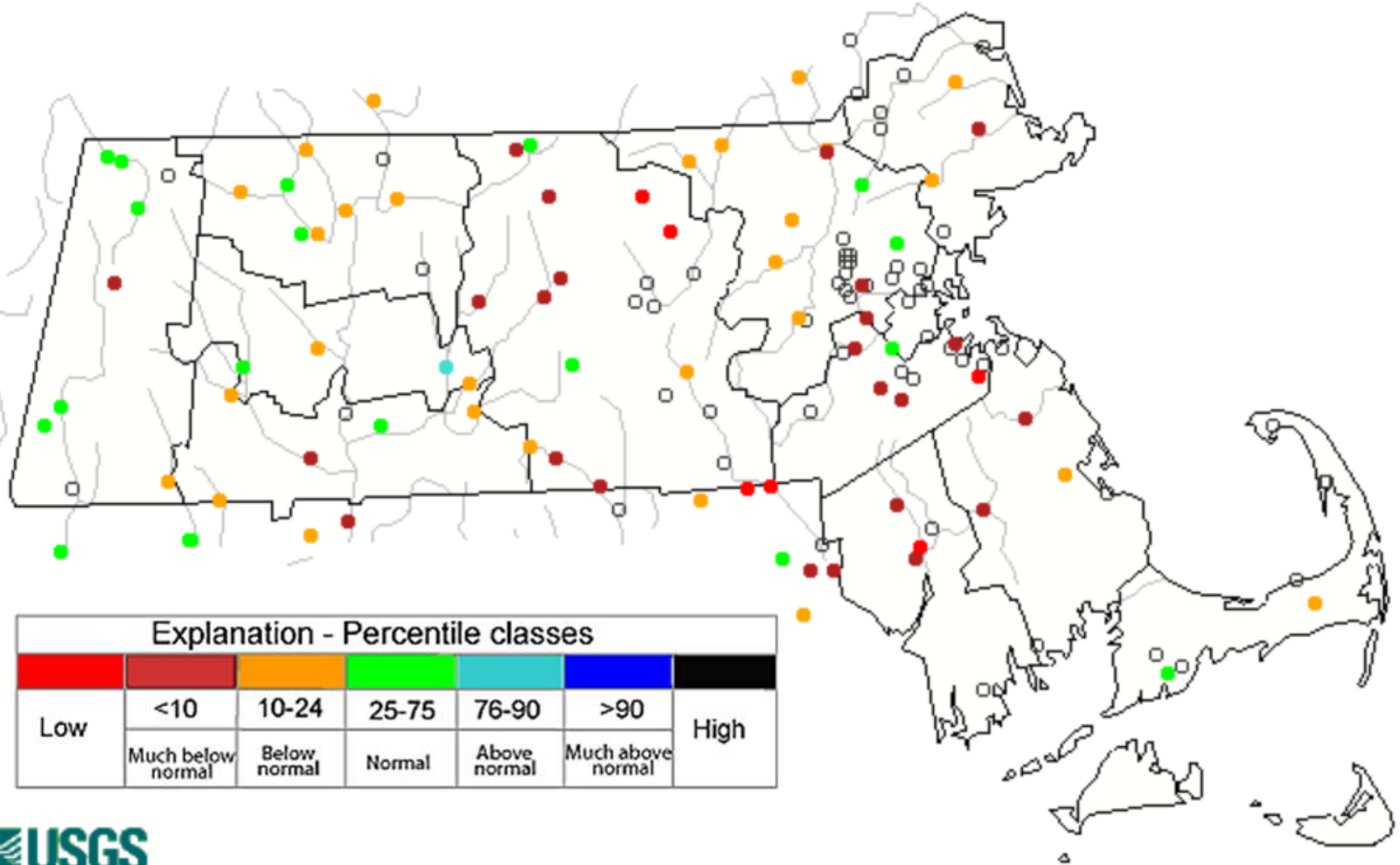
Average runoff – Massachusetts – last 5 years

Duration hydrograph of 28-day average runoff for Massachusetts

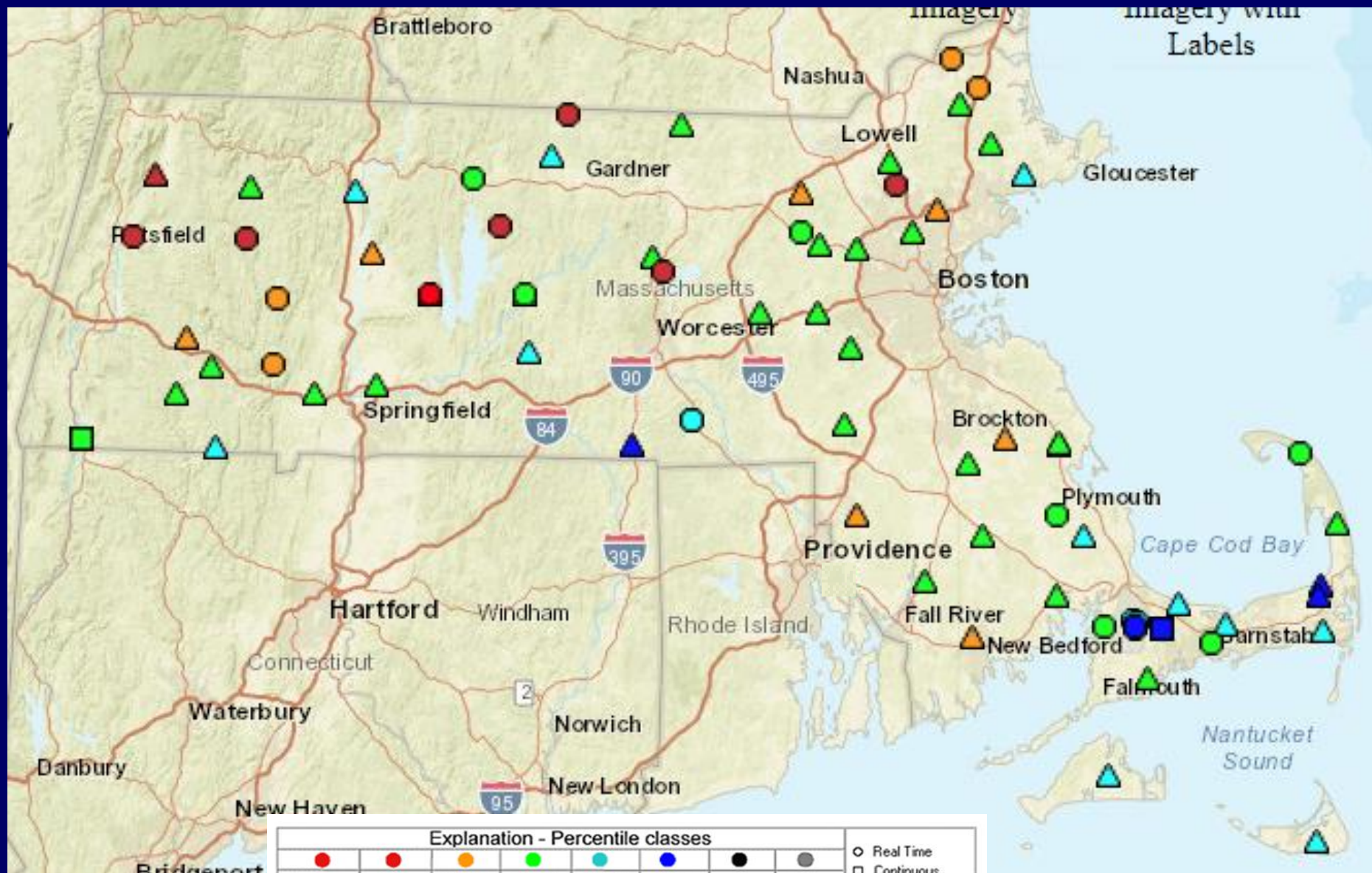


Streamflow Conditions – Oct. 6, 2020

Tuesday, October 06, 2020 08:30ET

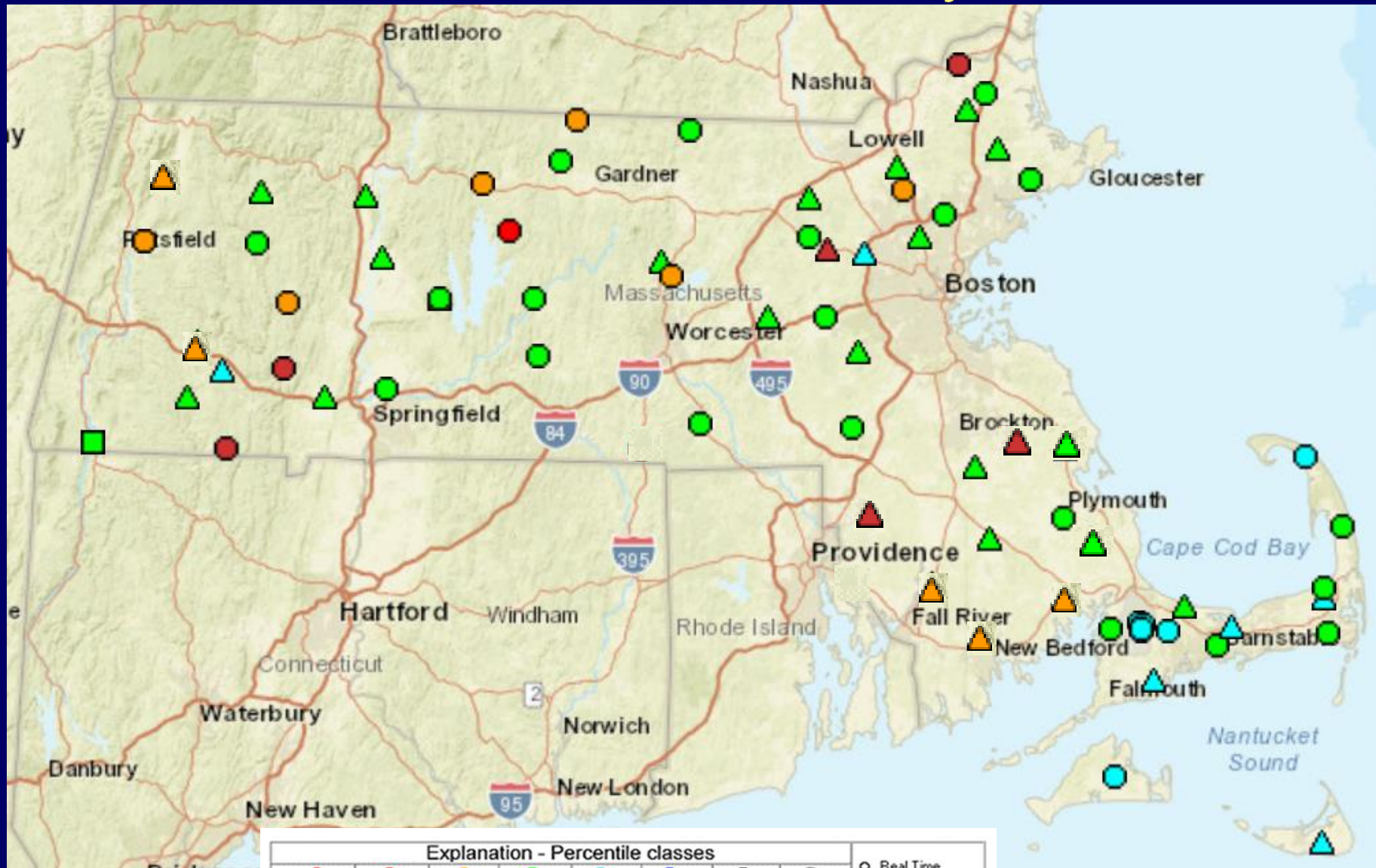


GW Conditions Late June 2020



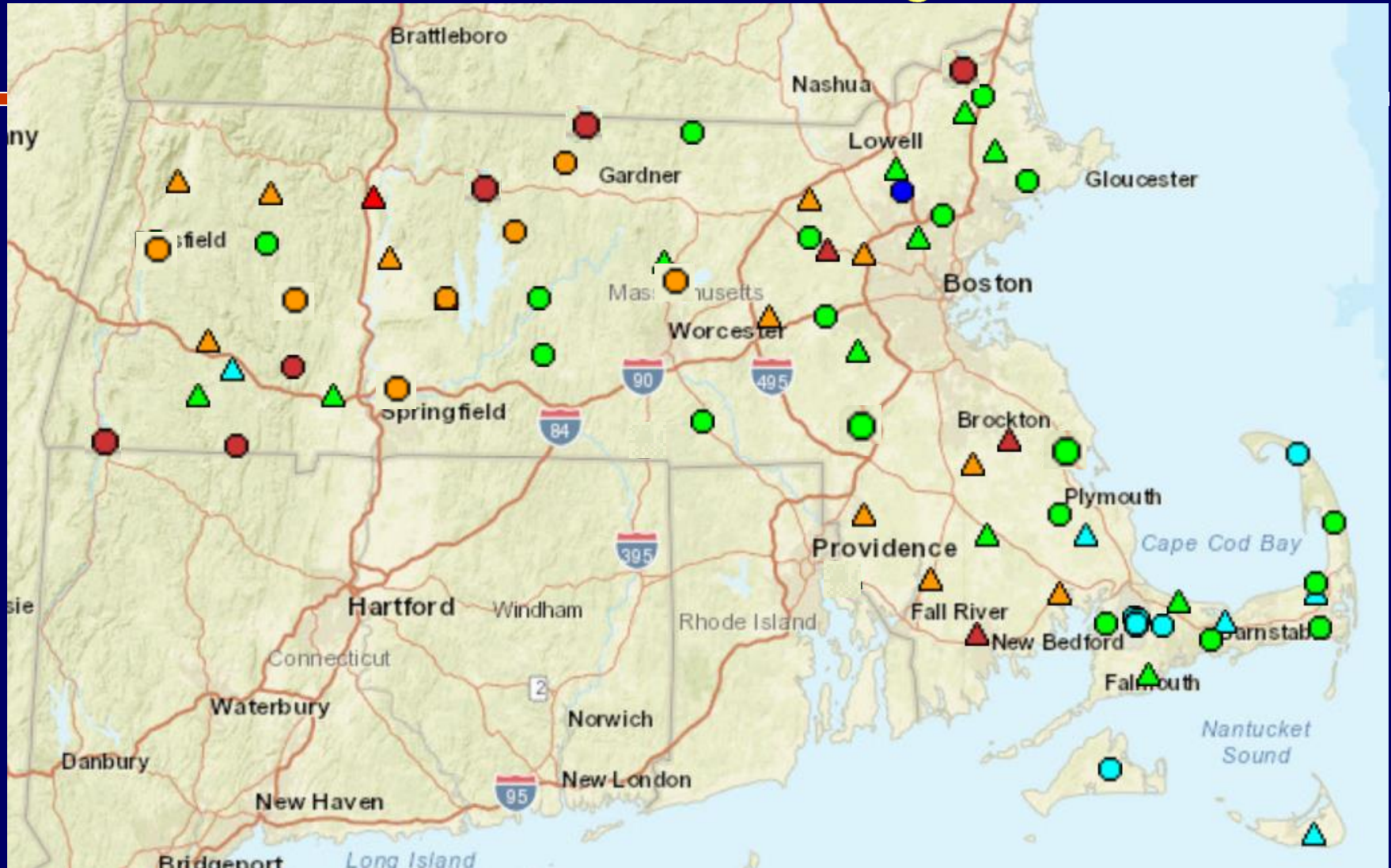
Explanation - Percentile classes								
●	●	●	●	●	●	●	●	○ Real Time
New Low	<10	10-24	25-75	76-90	>90	New High	Not Ranked	□ Continuous
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal			△ Periodic Measurements

GW Conditions Late July 2020



Explanation - Percentile classes								
●	●	●	●	●	●	●	●	○ Real Time
New Low	<10	10-24	25-75	76-90	>90	New High	Not Ranked	□ Continuous
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal			△ Periodic Measurements

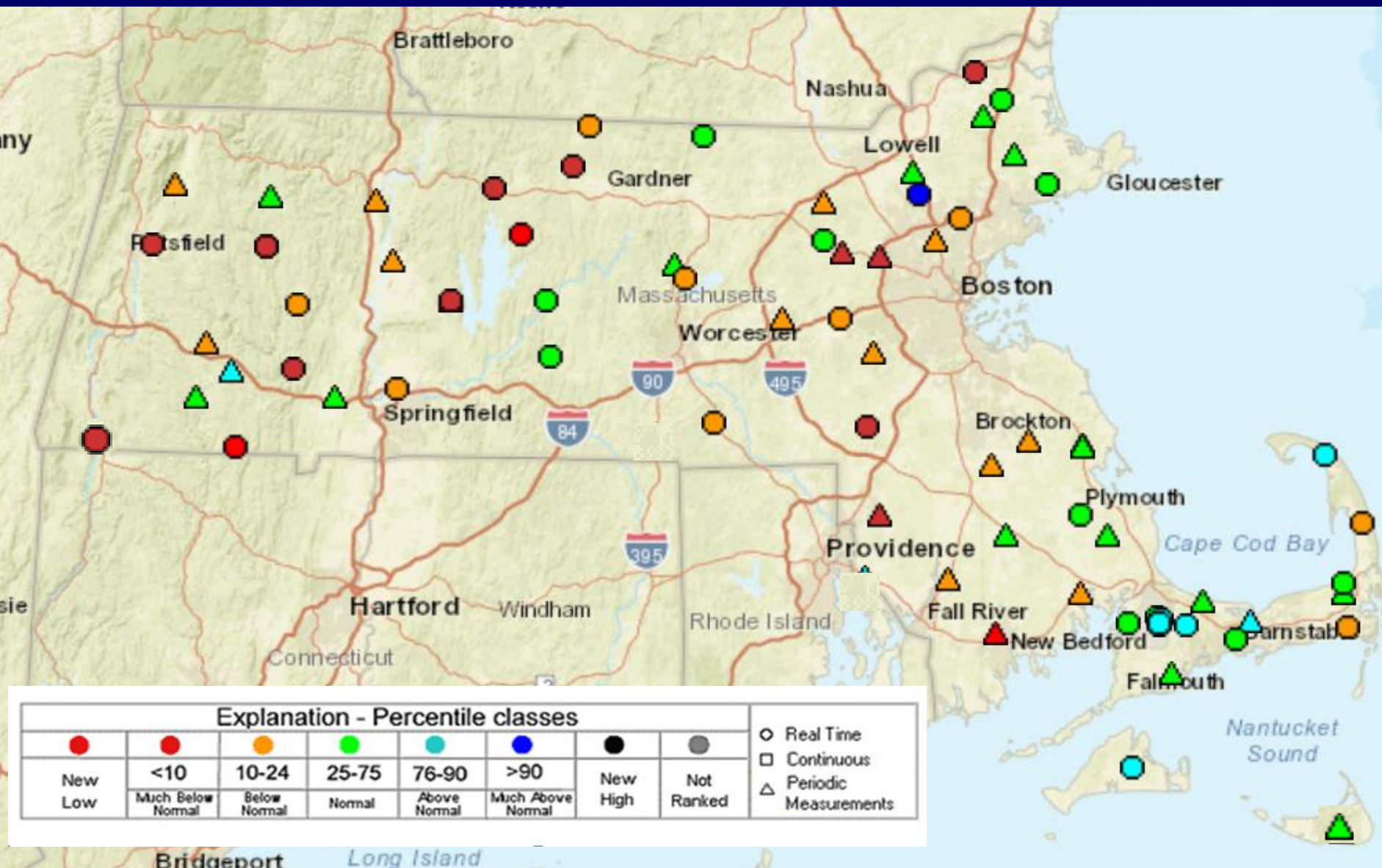
GW Conditions Late August 2020



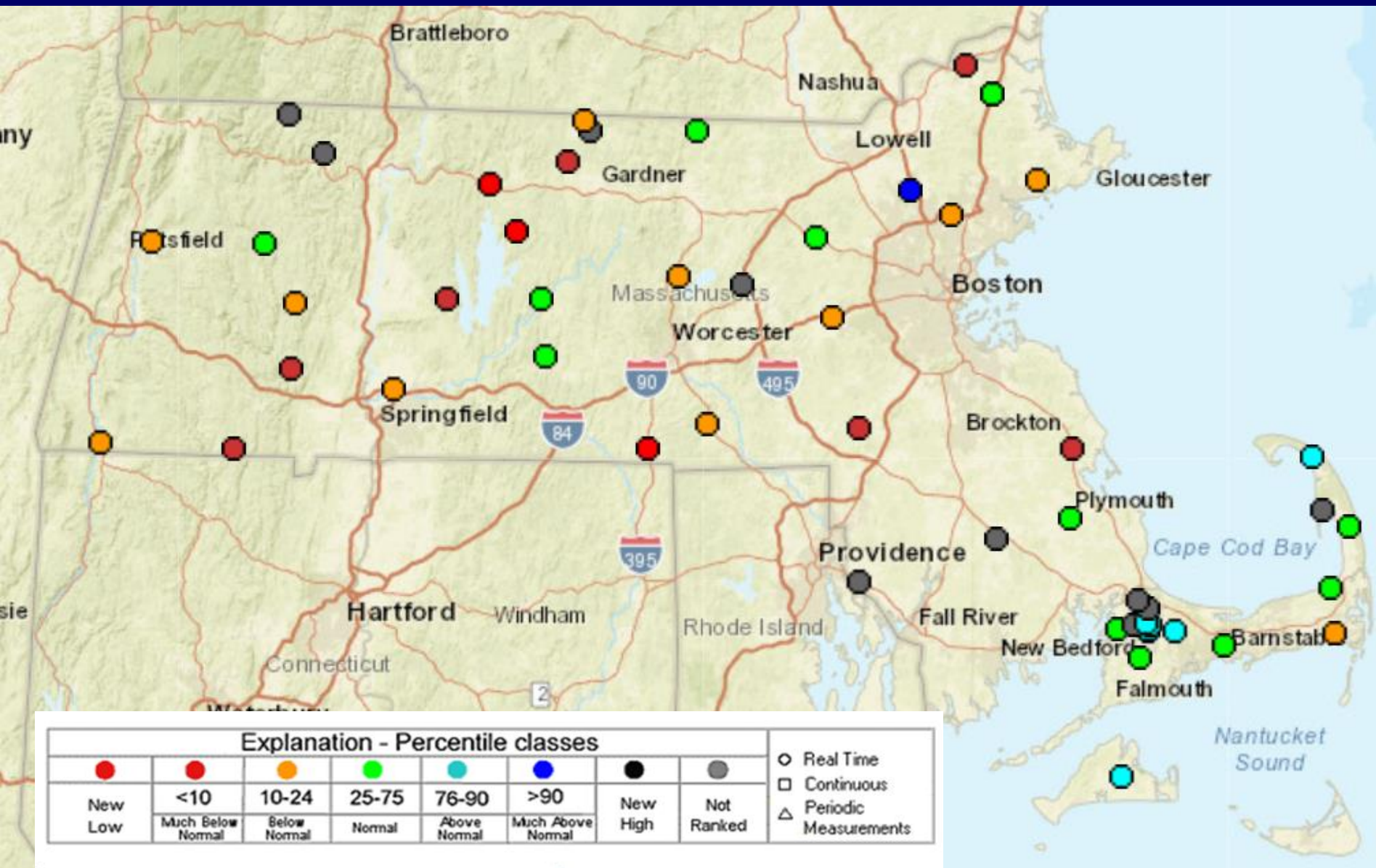
Explanation - Percentile classes							
●	●	●	●	●	●	●	●
New Low	<10	10-24	25-75	76-90	>90	New High	Not Ranked
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal		

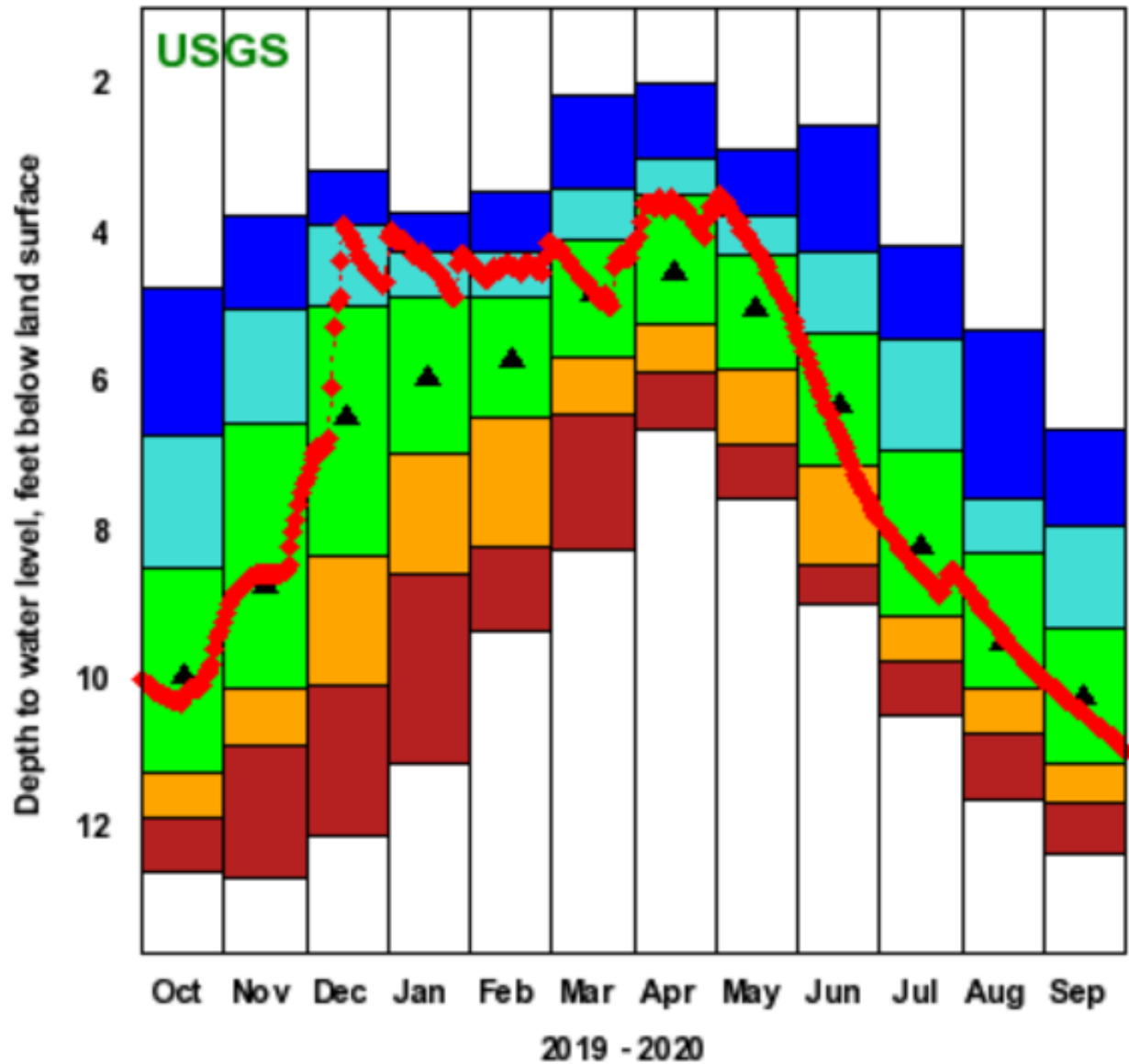
○	Real Time
□	Continuous
△	Periodic Measurements

GW Conditions Late September 2020



Groundwater Conditions – Oct. 5, 2020





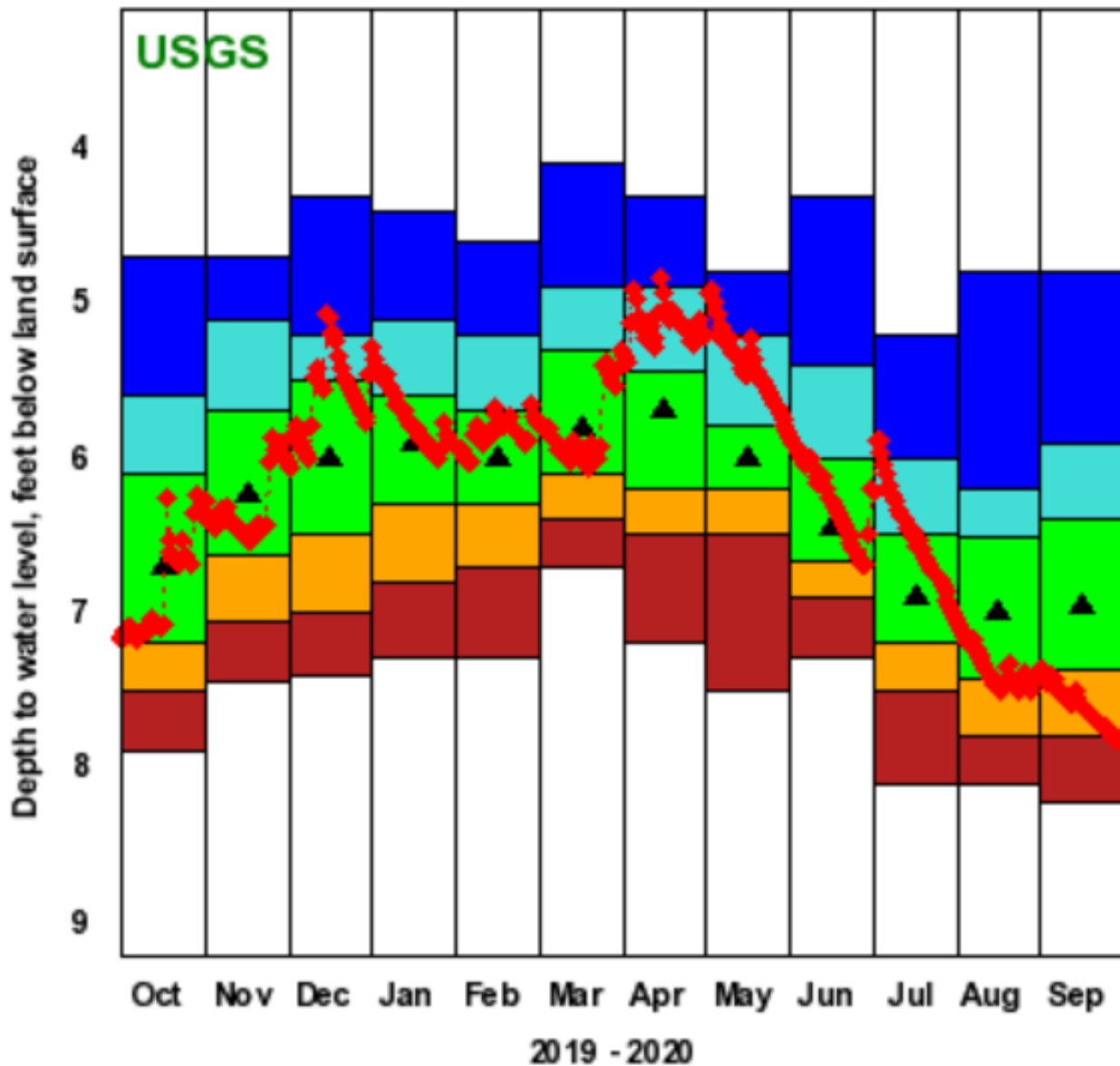
Pbt created 09/30/20 19:59

Explanation - Percentile Classes

◆ Data Point

● < 10 ● 10 - 24 ● 25 - 75 ● 76 - 90 ● > 90

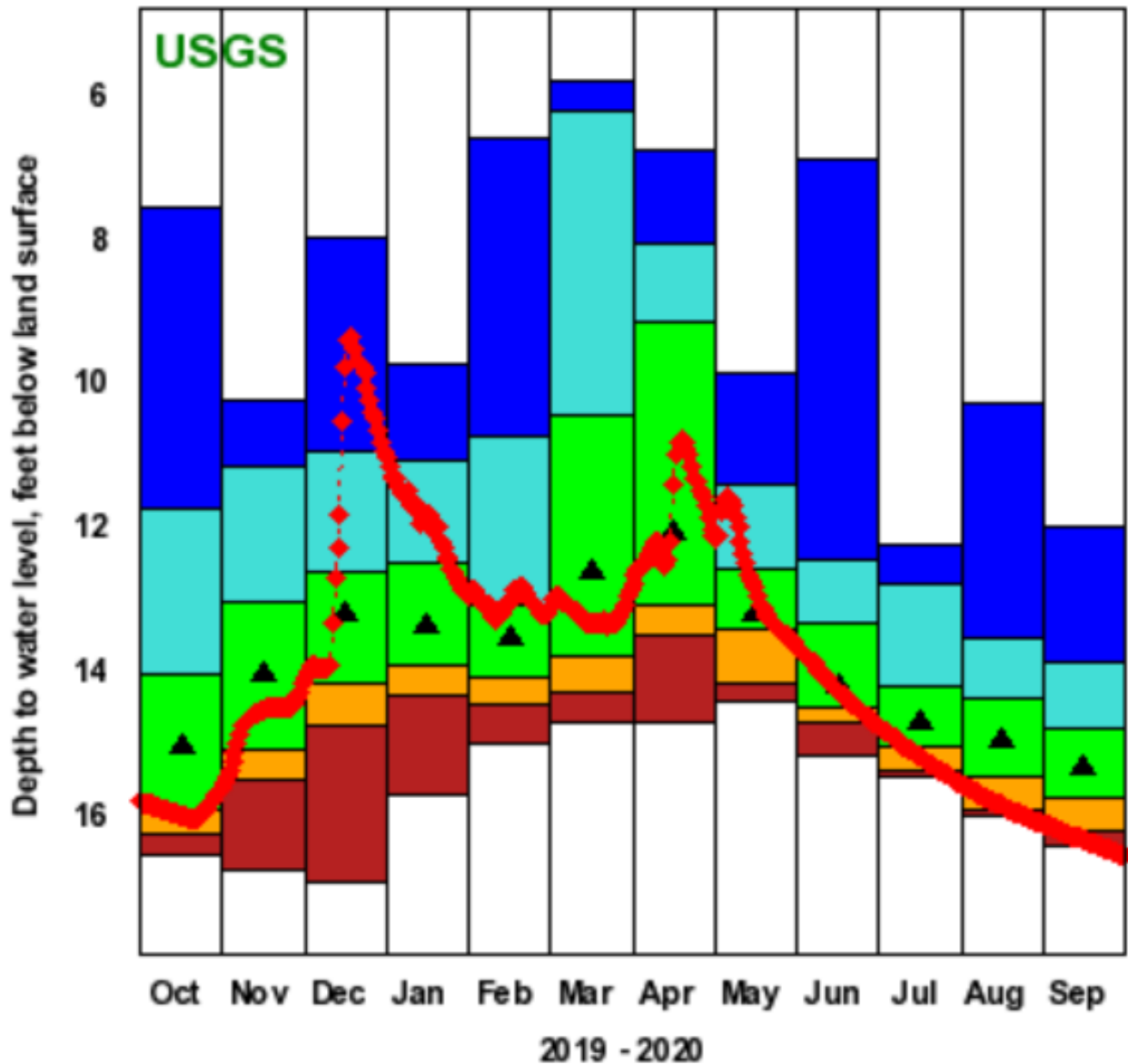
▲ Monthly Median



Plot created 09/30/20 19:59

Explanation - Percentile Classes

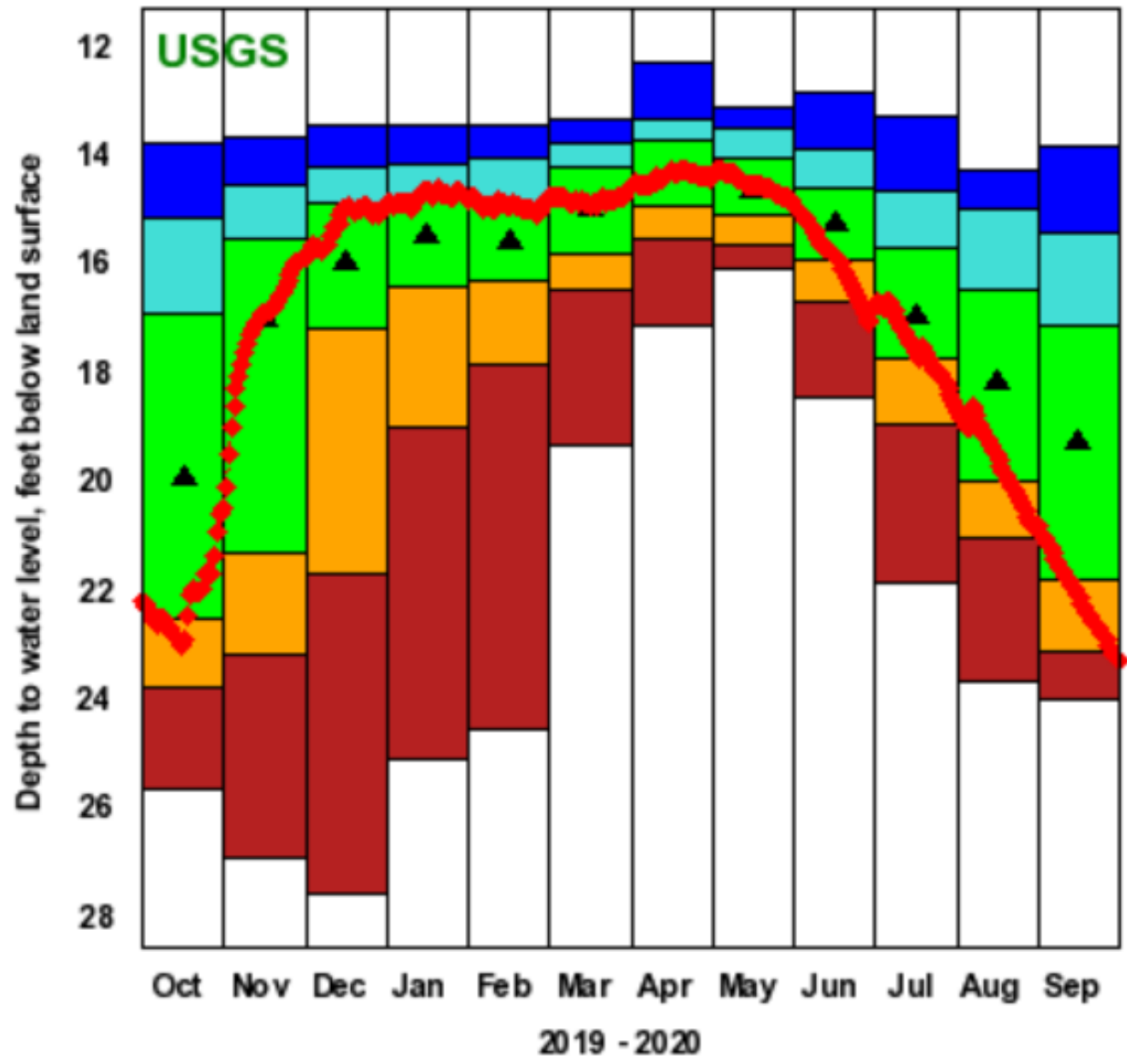




Plot created 09/30/20 19:59

Explanation - Percentile Classes





Plot created 09/30/20 19:59

Explanation - Percentile Classes

◆ Data Point

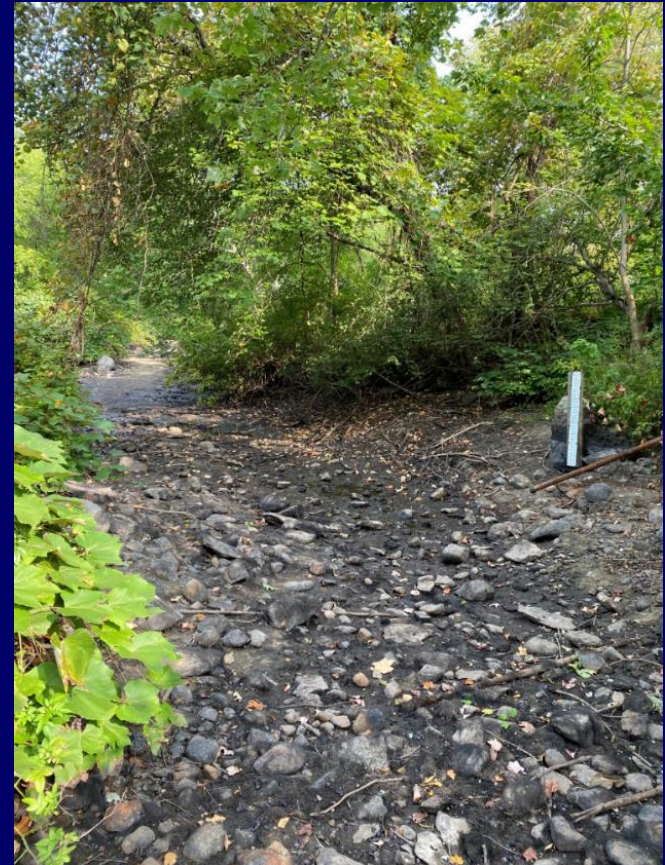
● < 10 ● 10 - 24 ● 25 - 75 ● 76 - 90 ● > 90

▲ Monthly Median

Questions



Aug. 19, 2020



Sept. 23, 2020

Segreganset River at North Dighton, MA (01109070)