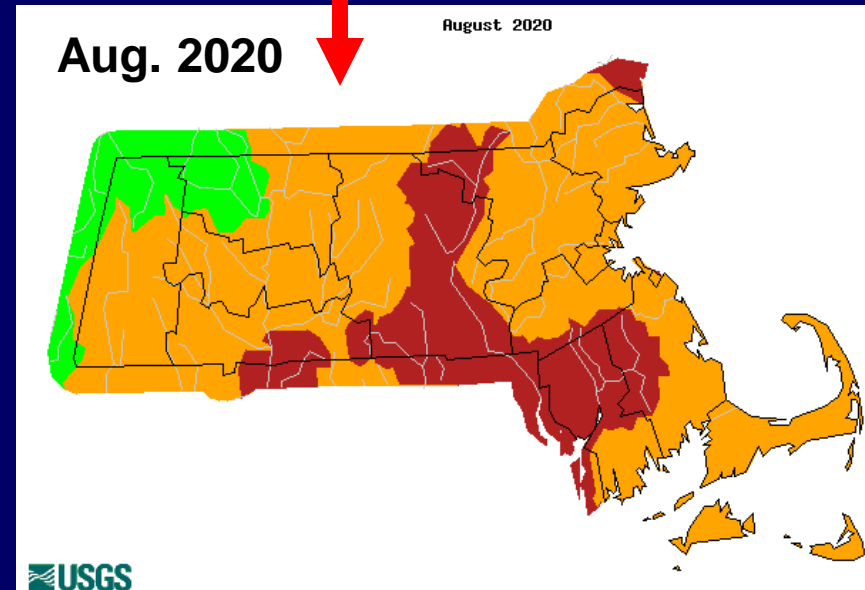
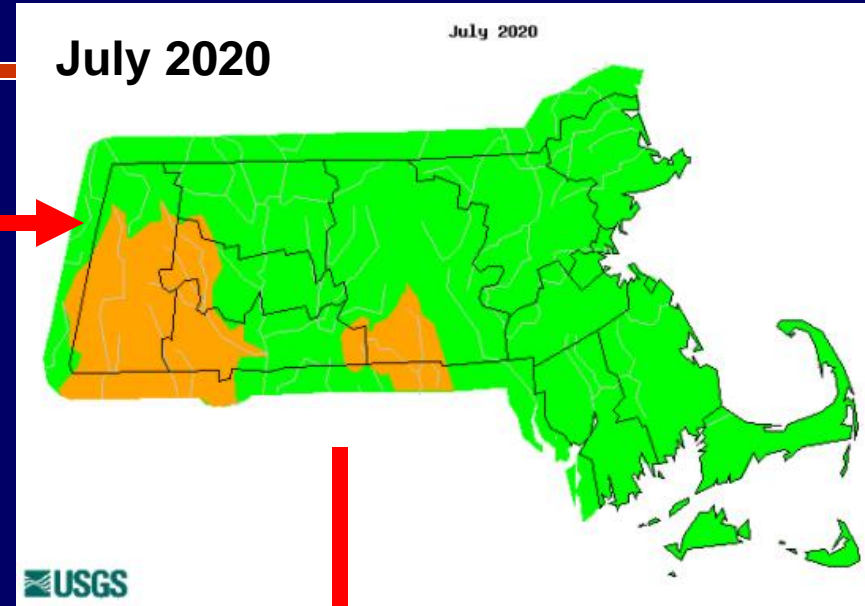
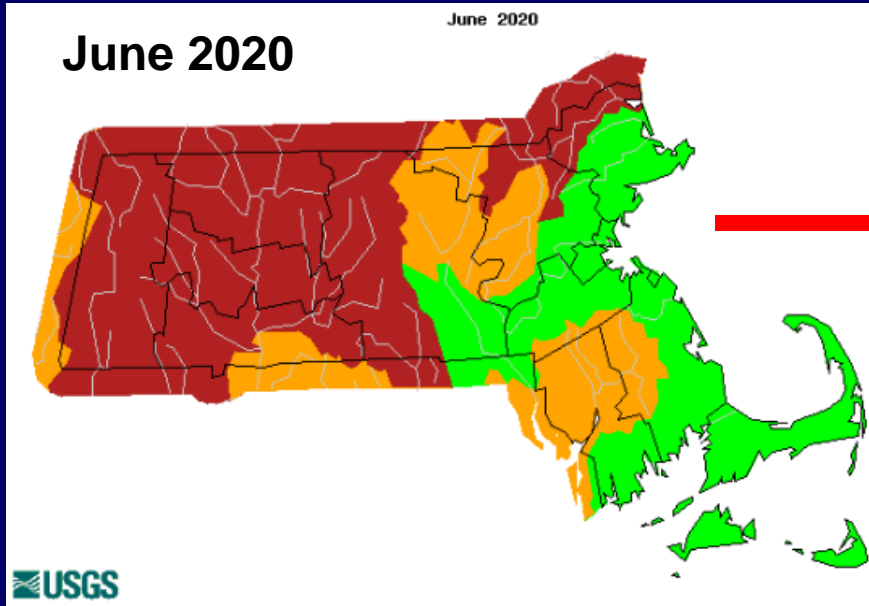

Streamflow and Groundwater Conditions in Massachusetts

April 6, 2021

R.J. Verdi
U.S. Geological Survey
New England Water Science Center



Average Streamflow Conditions – June-Aug. 2020



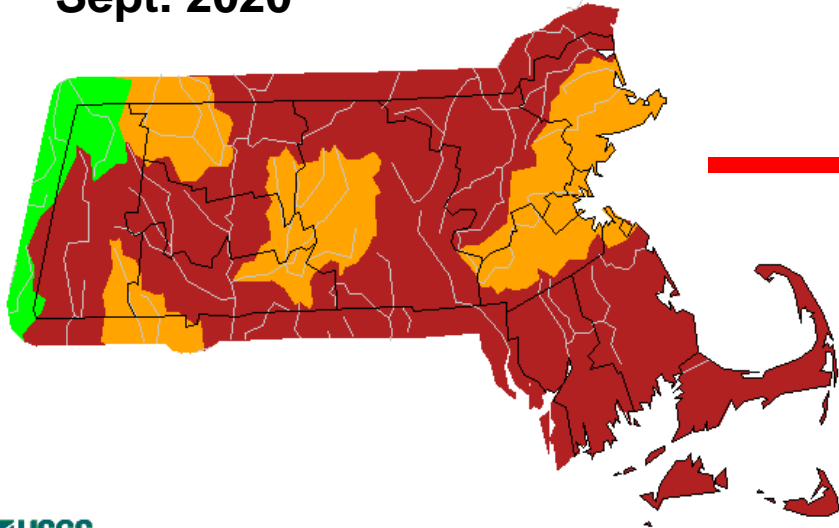
Explanation - Percentile classes

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

Average Streamflow Conditions – Sept. - Nov. 2020

Sept. 2020

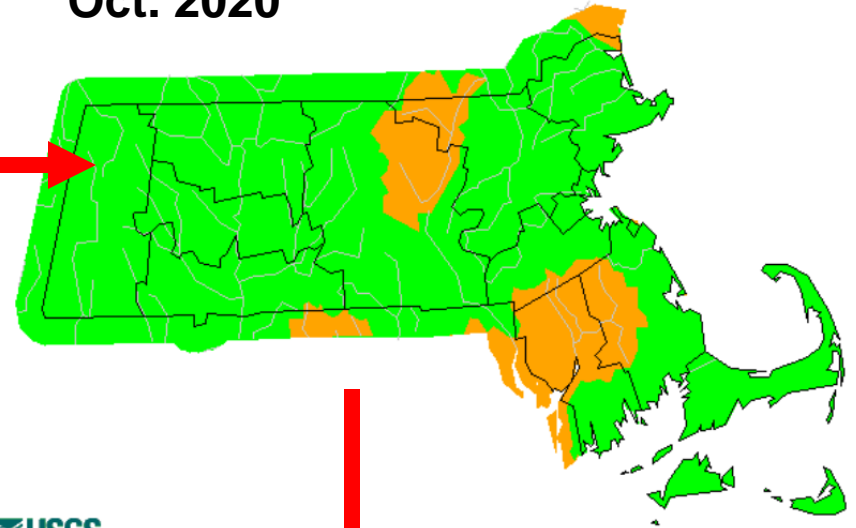
September 2020



USGS

Oct. 2020

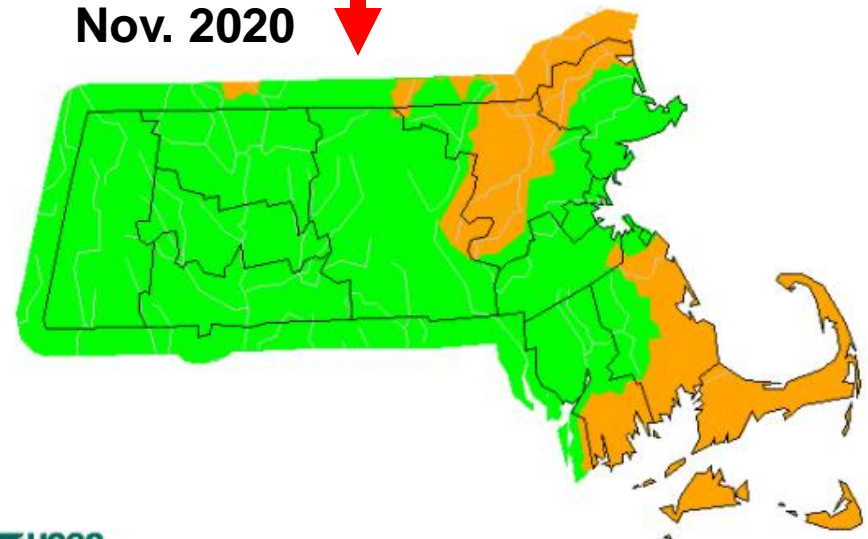
October 2020



USGS

Nov. 2020

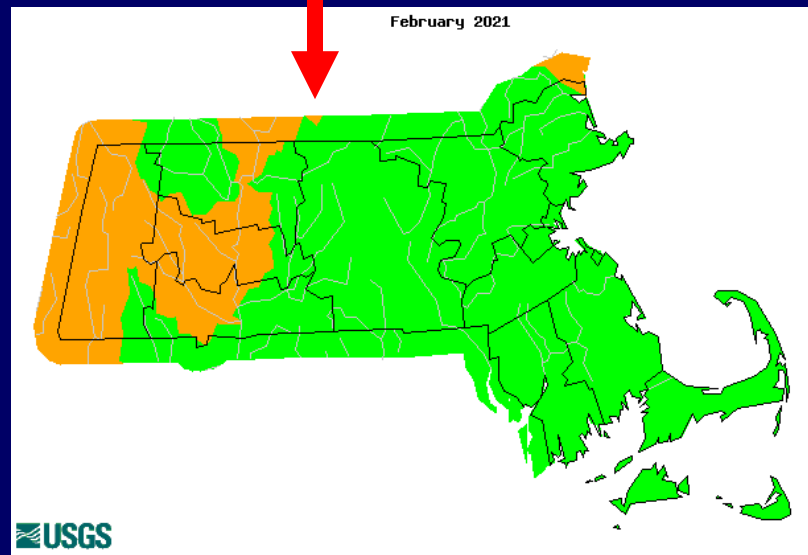
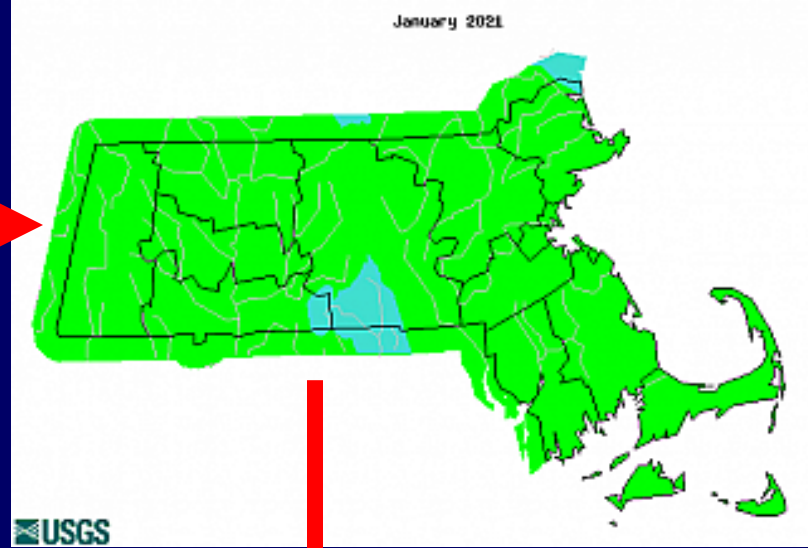
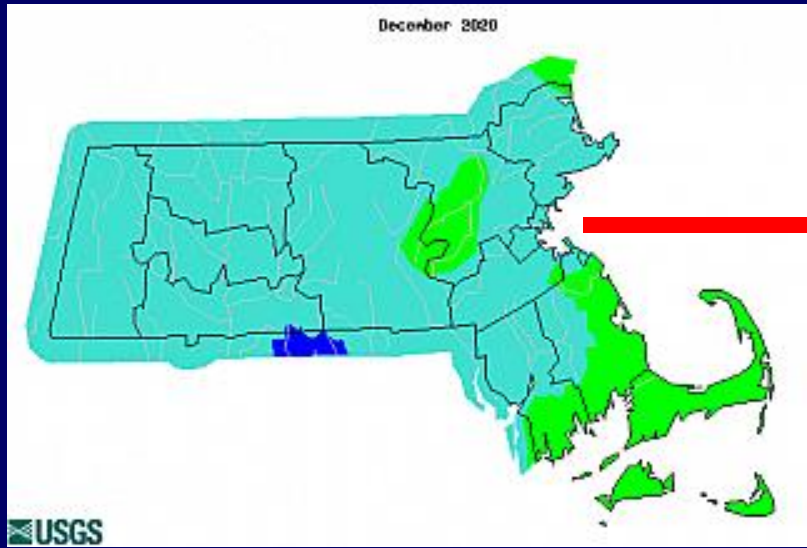
November 2020



USGS

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 – Dec. 2020 - Feb. 2021

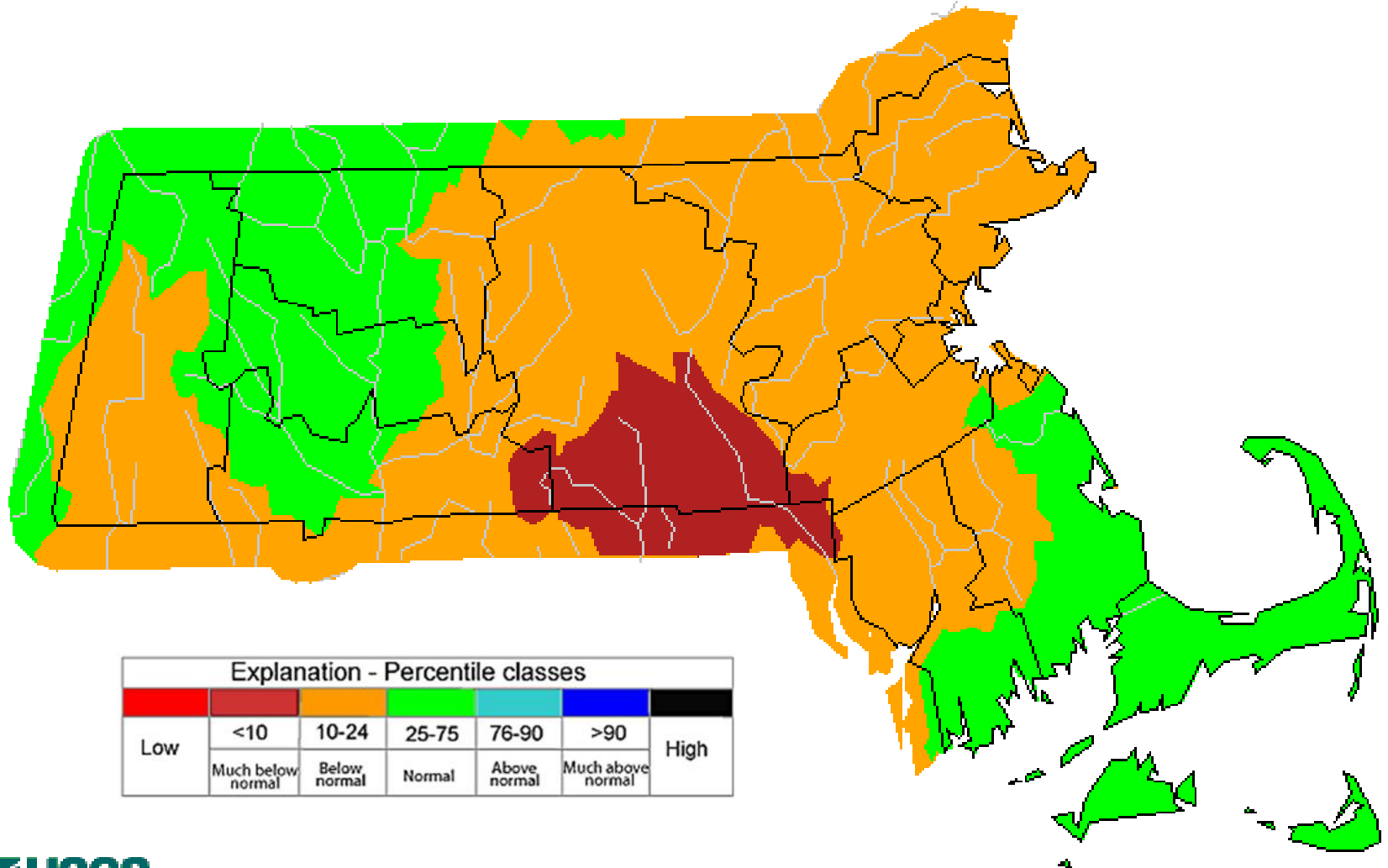


Explanation - Percentile classes

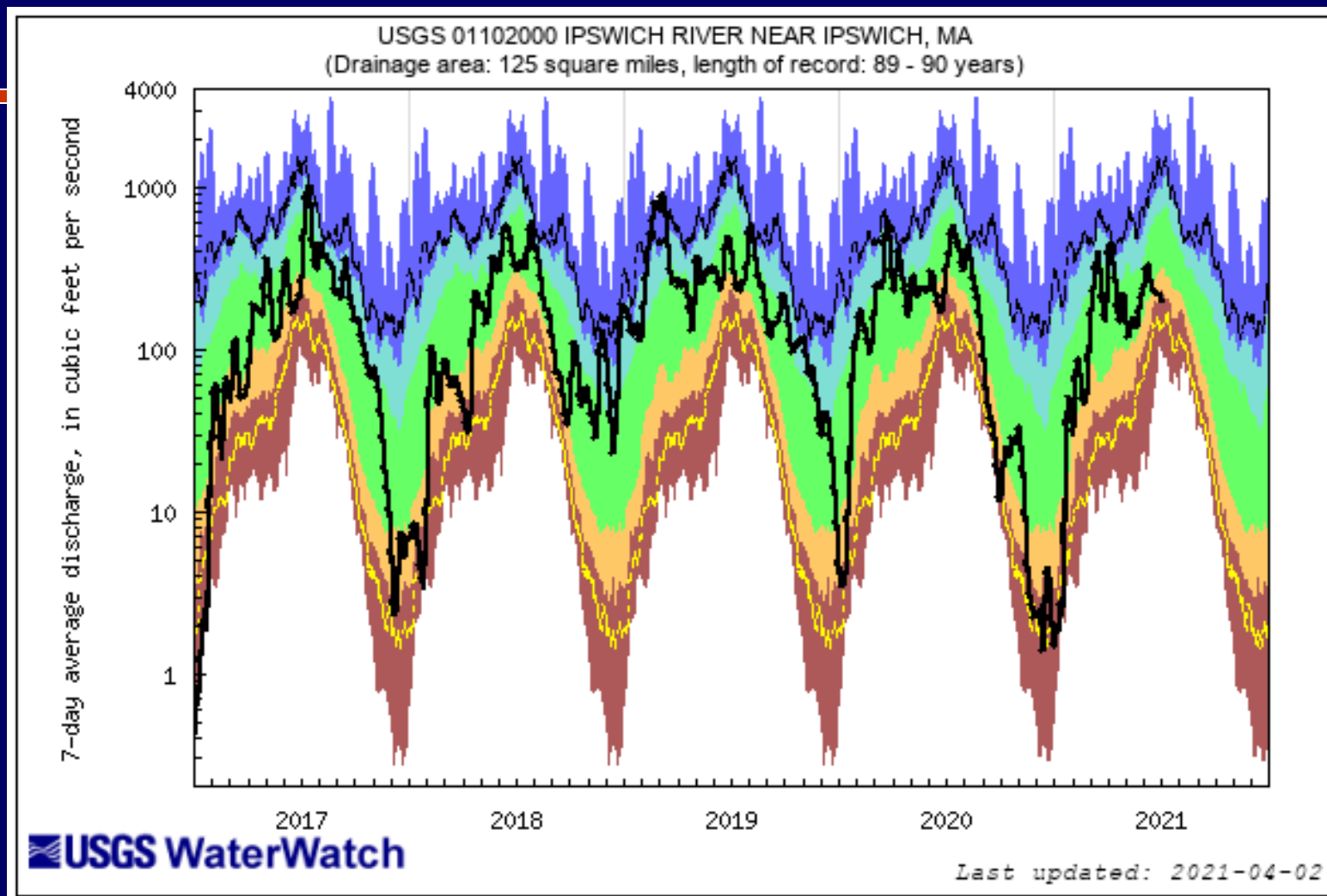
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

Average Streamflow Conditions – March 2021

March 2021

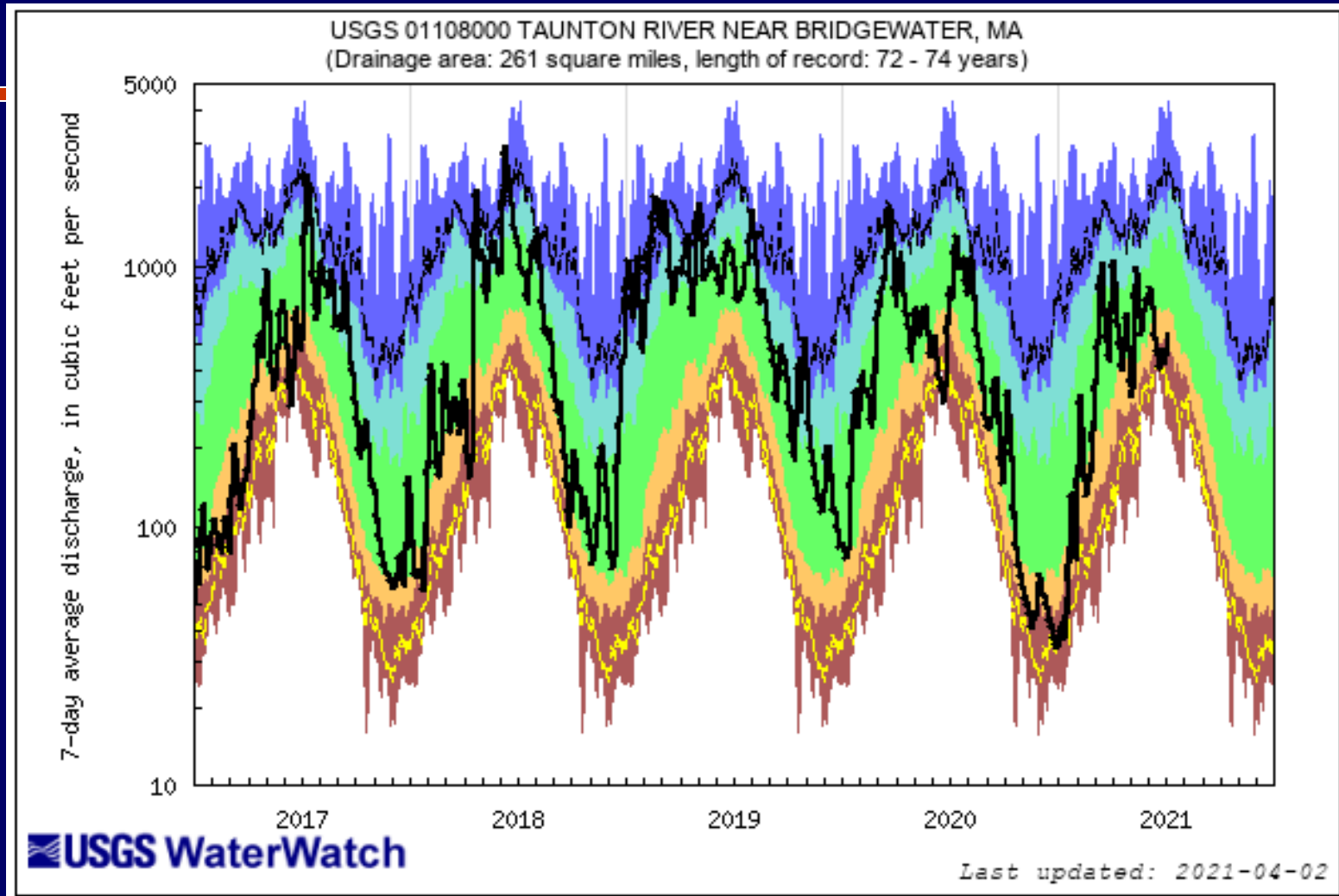


7-Day Avg. – Ipswich River – Northeastern MA



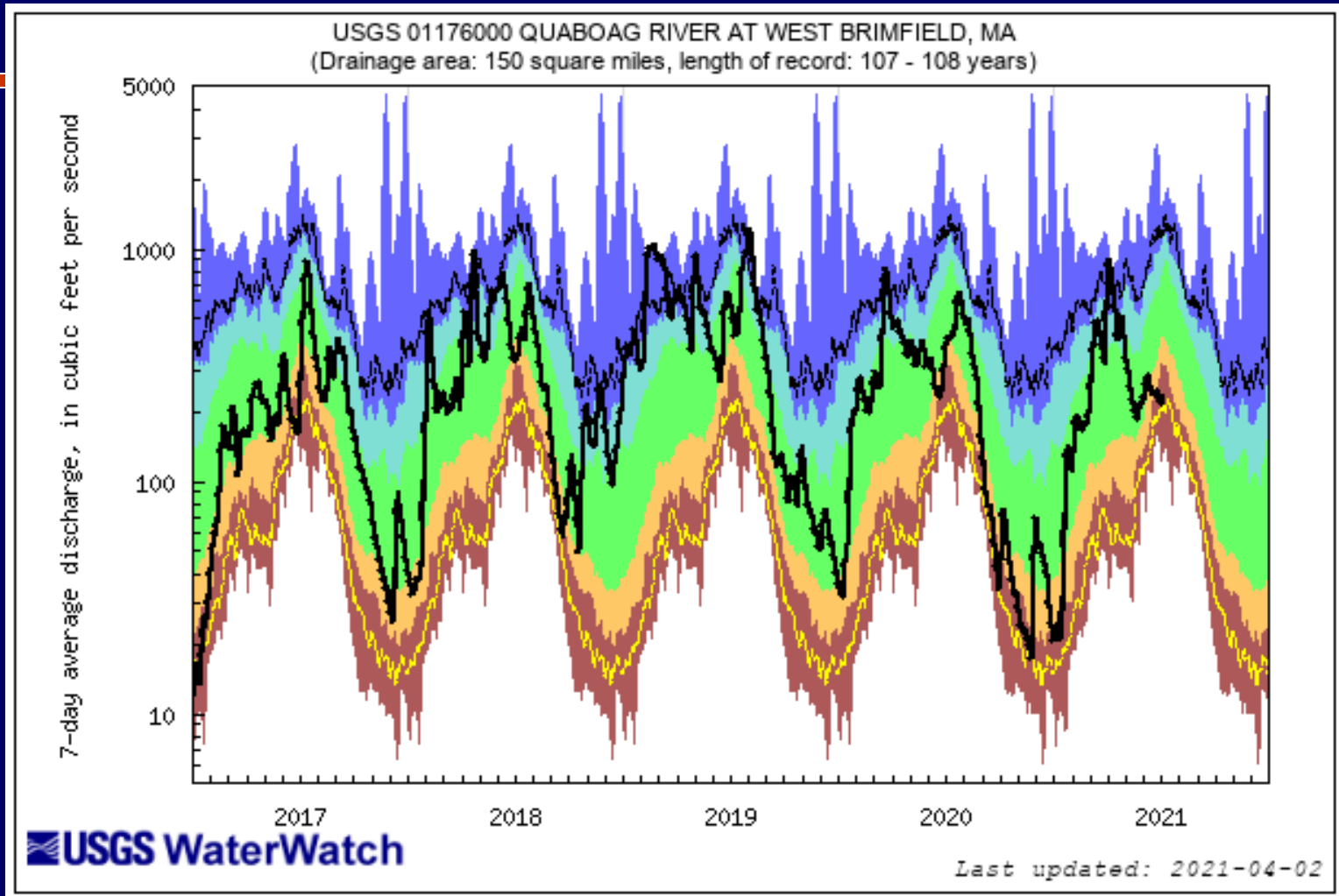
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

7-Day Avg. – Taunton River – Southeastern MA



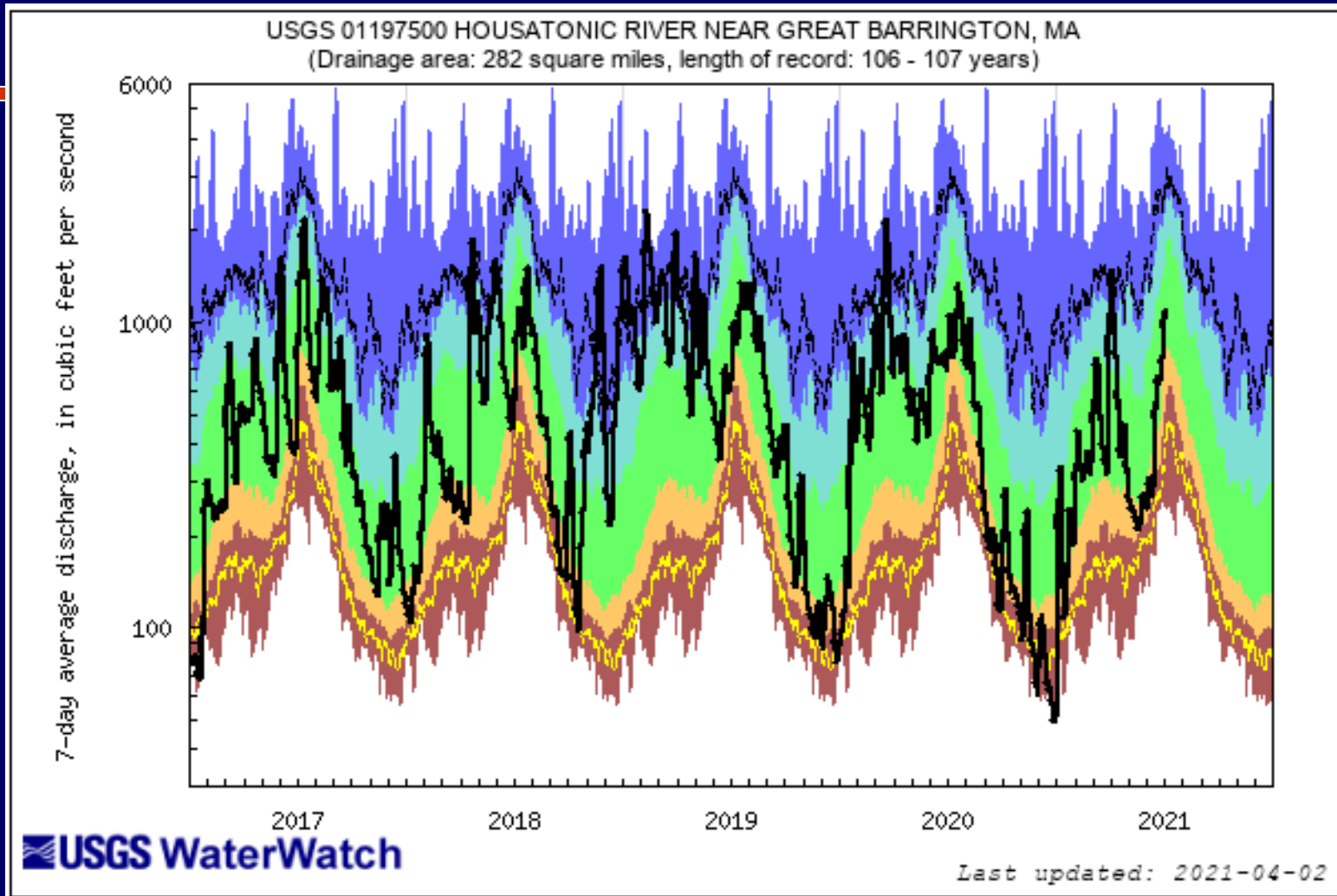
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

7-Day Avg. – Quaboag River – Central MA



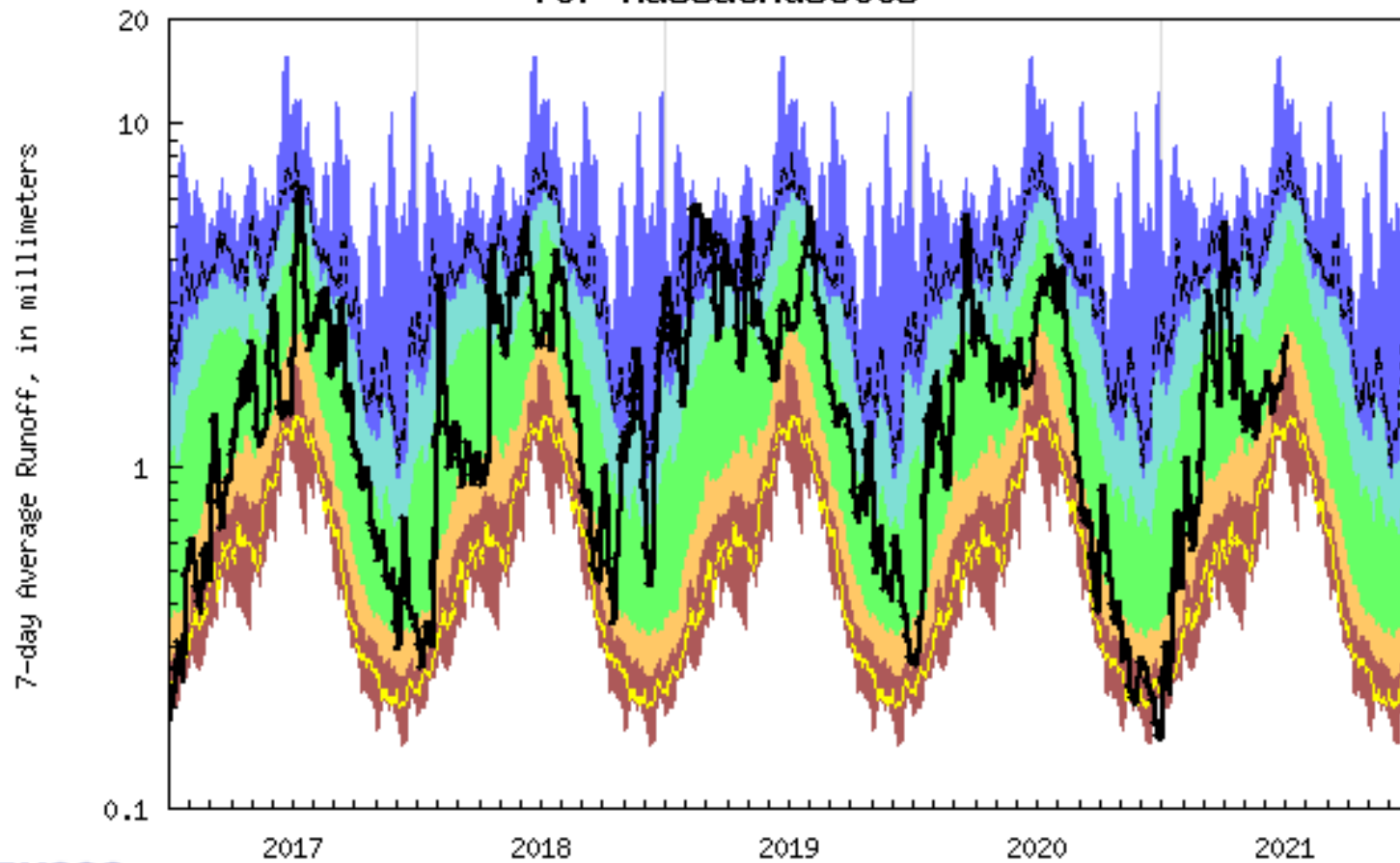
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

7-Day Avg. – Housatonic River – Western MA



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

Duration hydrograph of 7-day average runoff for Massachusetts



USGS WaterWatch

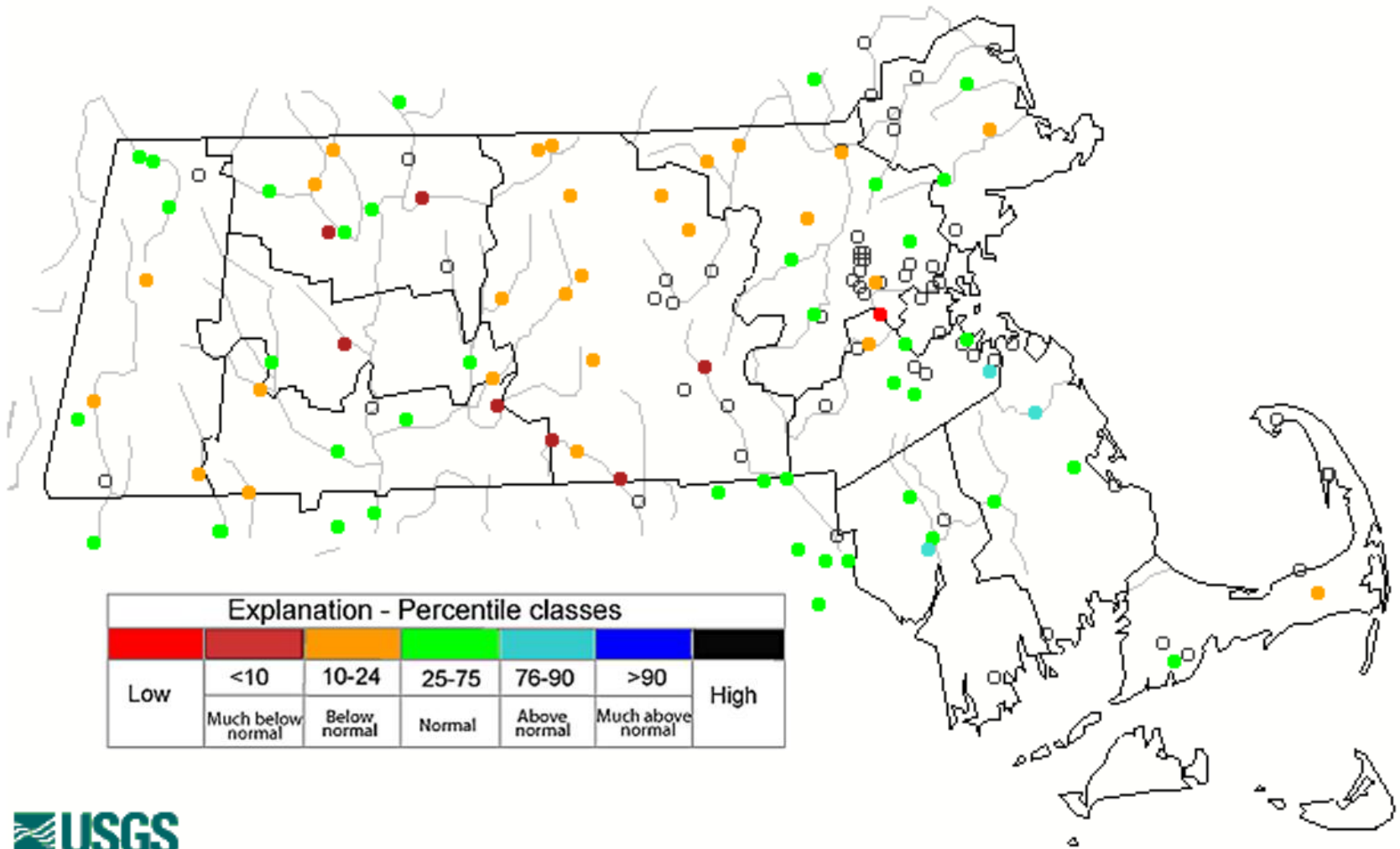
Last updated: 2021-04-02

Explanation - Percentile classes

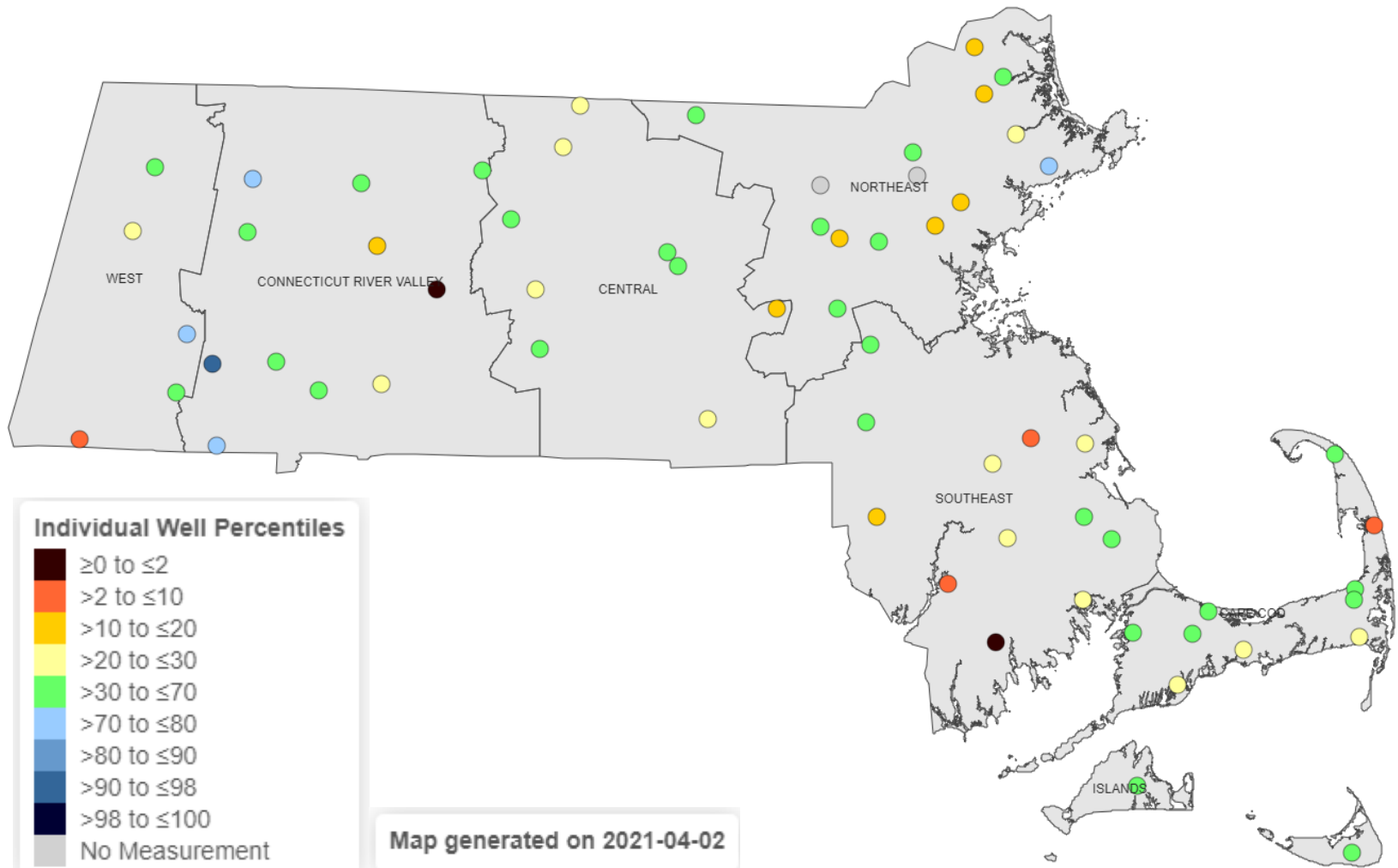
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile - highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

Streamflow Conditions – April 2, 2021

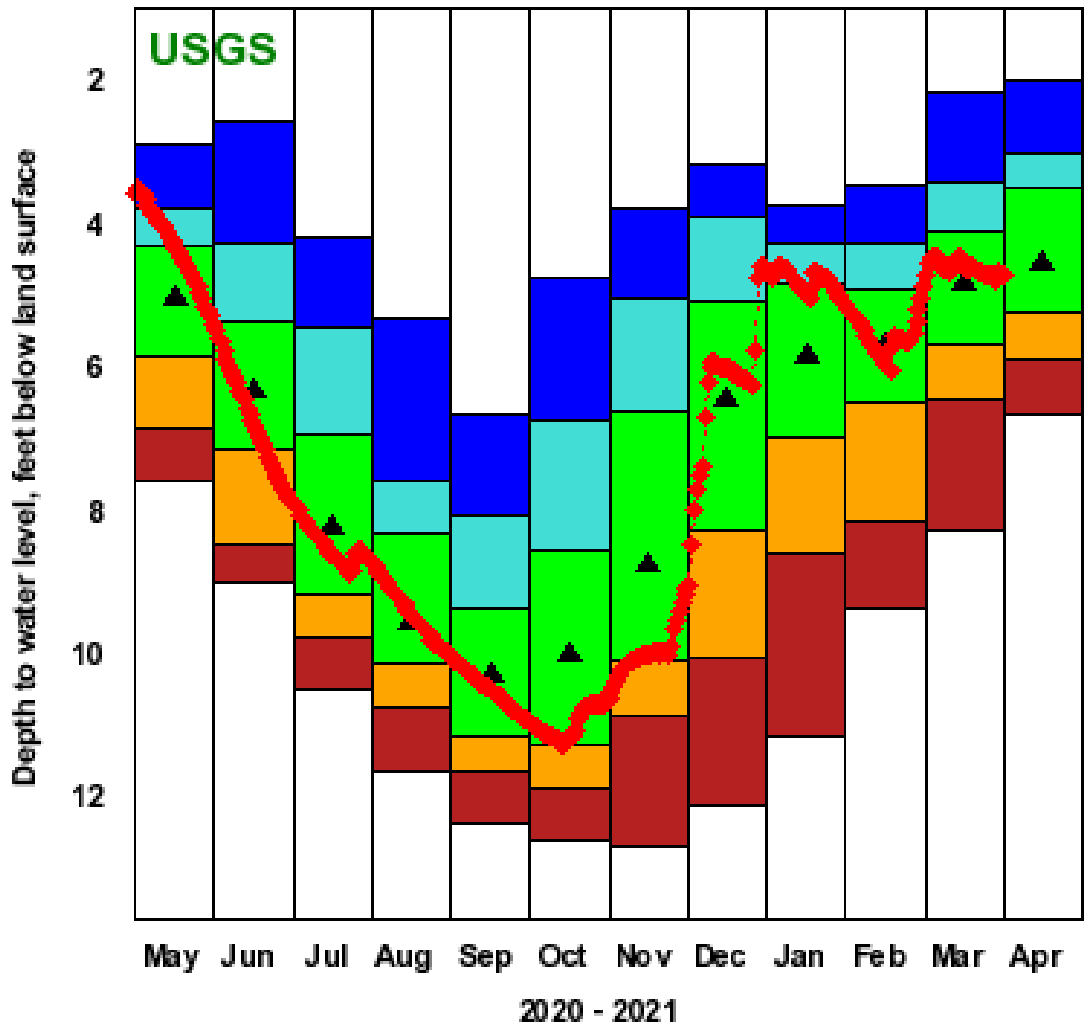
Friday, April 02, 2021 09:30ET



Current Groundwater Conditions



424520070562401 - MA-NIW 27 NEWBURY, MA



Explanation - Percentile Classes

◆ Data Point

● <10
● 10-24
● 25-75
● 76-90
● >90

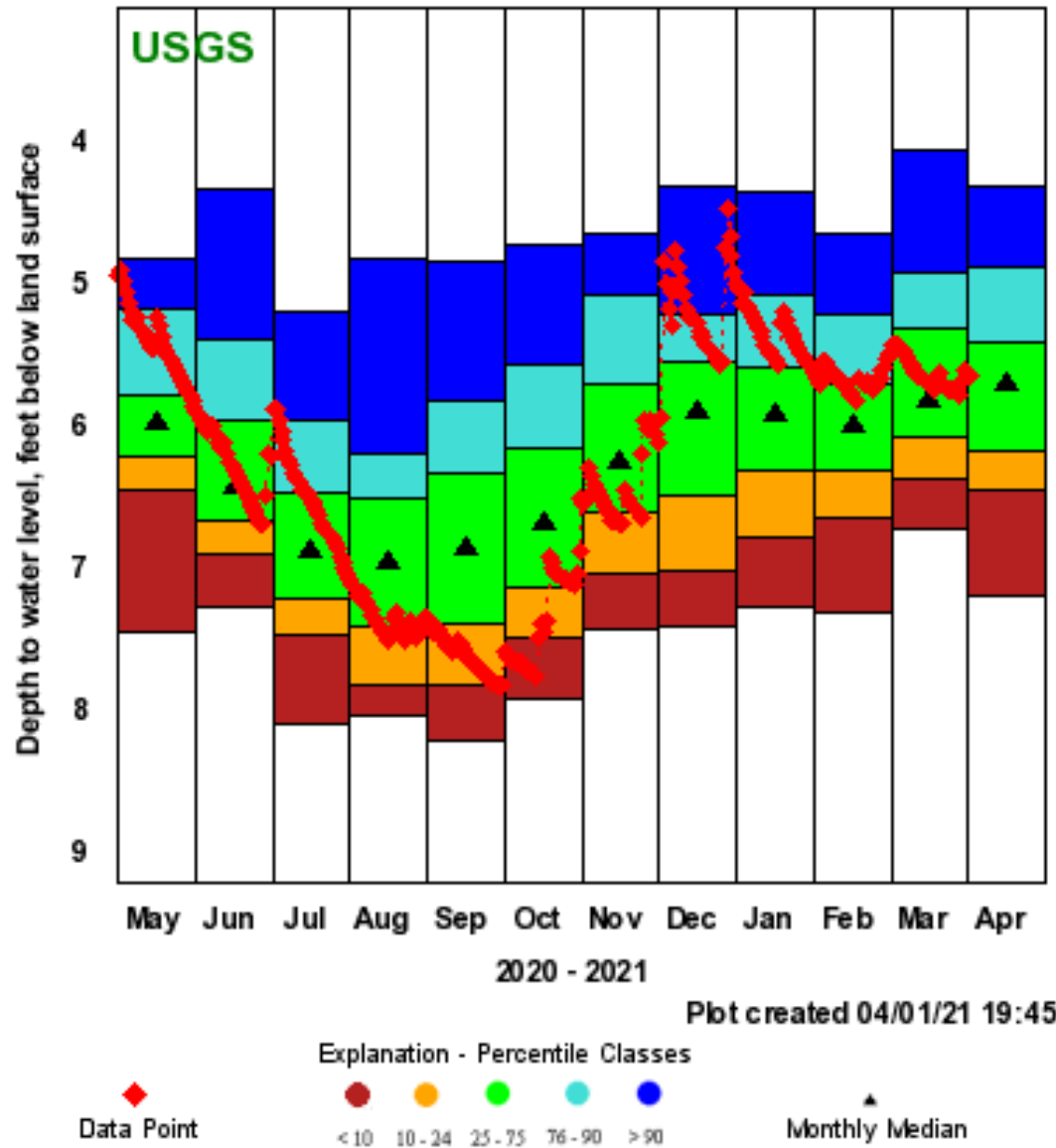
▲ Monthly Median

Period of Record

All data
July 1959 – present

Continuous data
Oct. 1984 - present

420544071173701 - MA-NNW 27R NORFOLK, MA

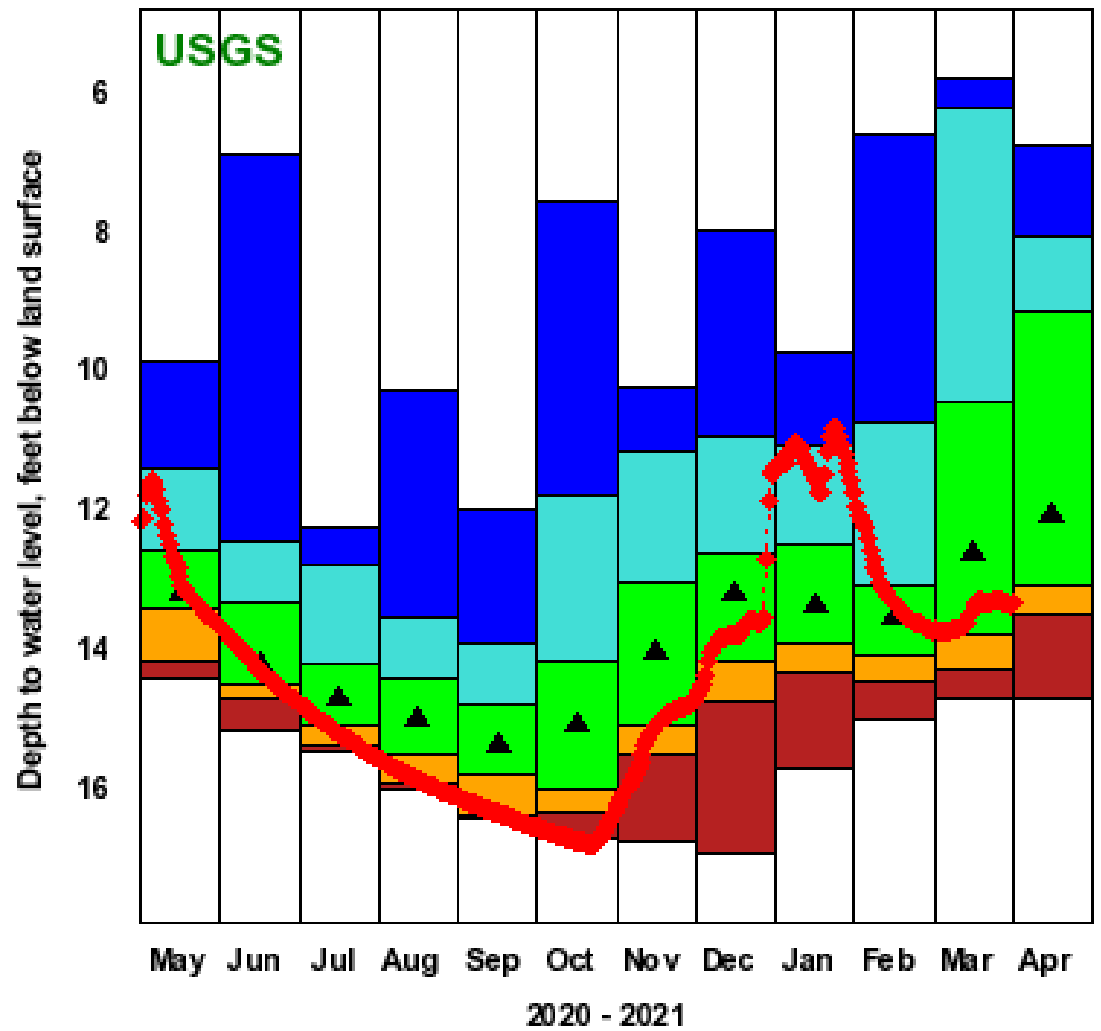


Period of Record

All data
Dec. 1964 – present

Continuous data
Aug. 2001 - present

422906072124301 - MA-PHW 16 PETERSHAM, MA

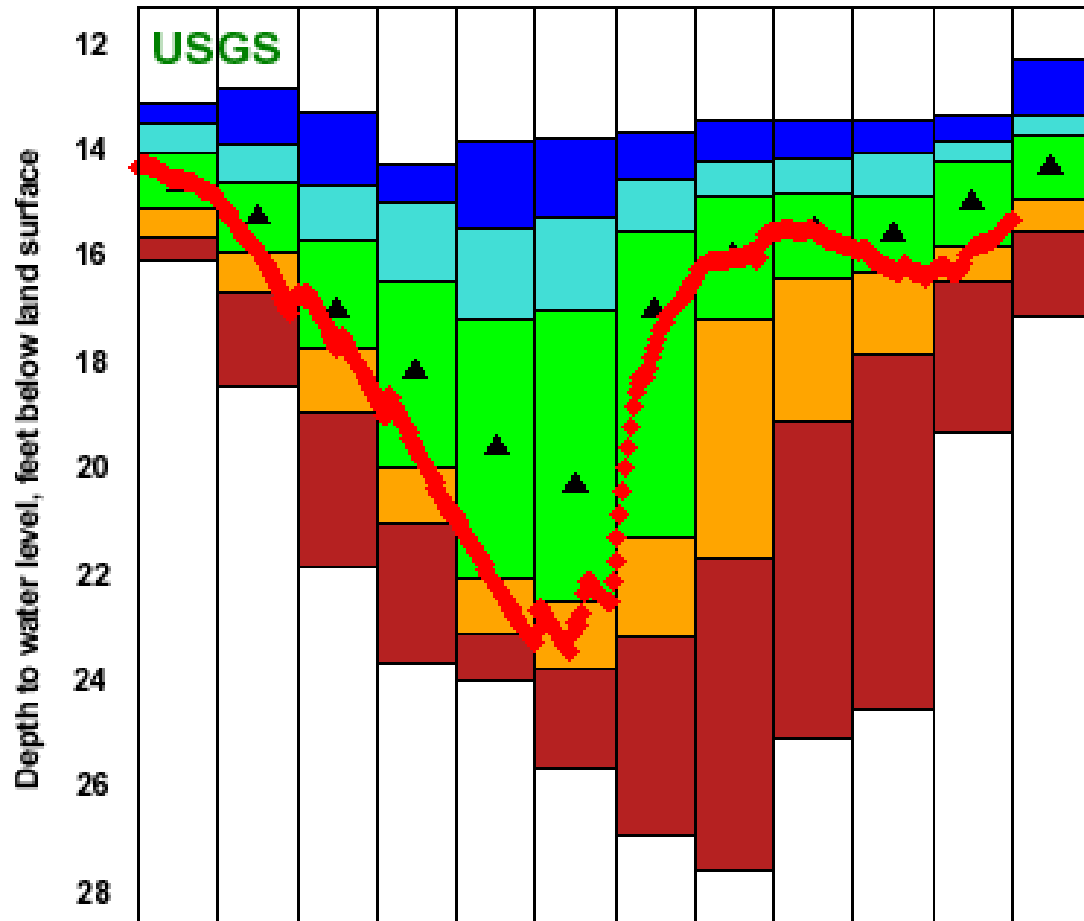


Period of Record

All data
Jan. 1984 – present

Continuous data
May 2012 - present

422745073112001 - MA-PTW 51 PITTSFIELD, MA



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

2020 - 2021

Plot created 04/01/21 19:45

Explanation - Percentile Classes



Period of Record

All data

Aug. 1963 – present

Continuous data

Oct. 1984 - present

Questions



Aug. 19, 2020



Sept. 23, 2020



Oct. 21, 2020

Feb. 12, 2021



Segreganset River at North Dighton, MA (01109070)