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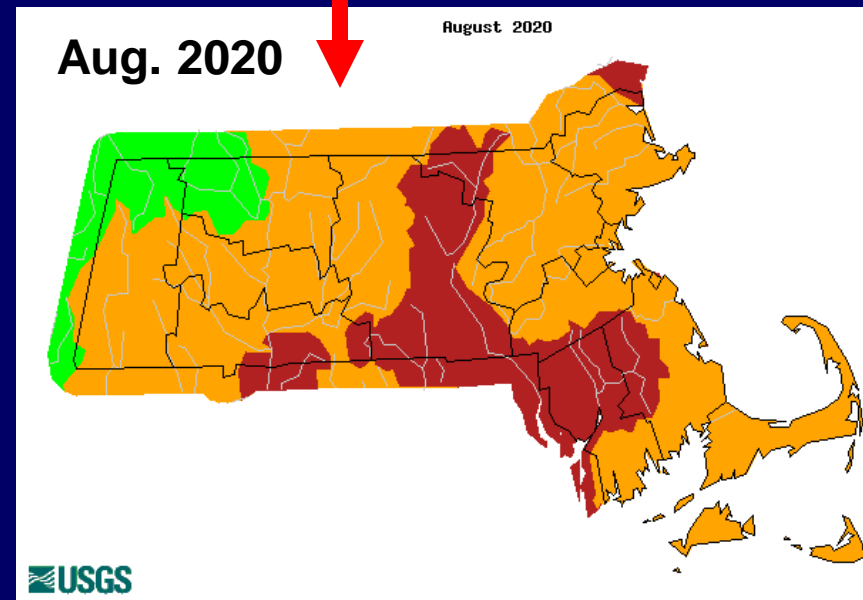
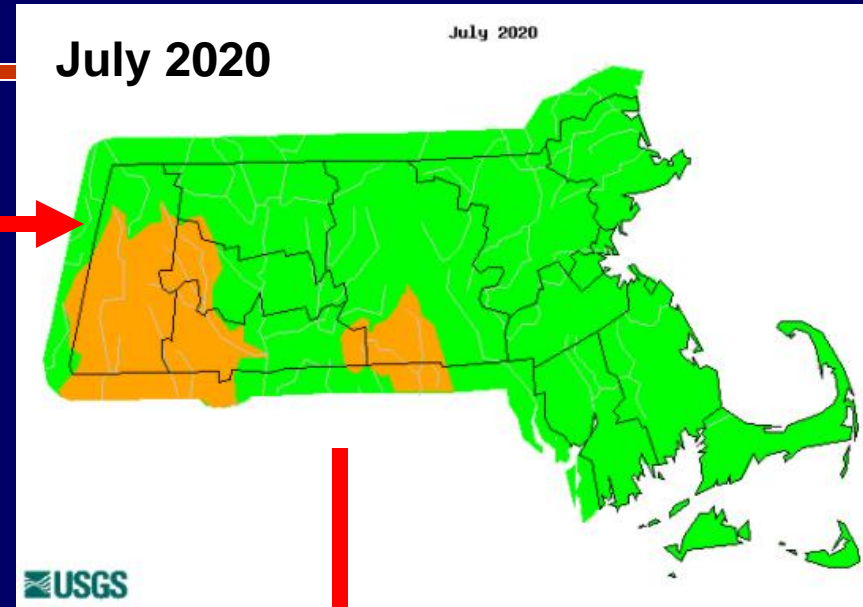
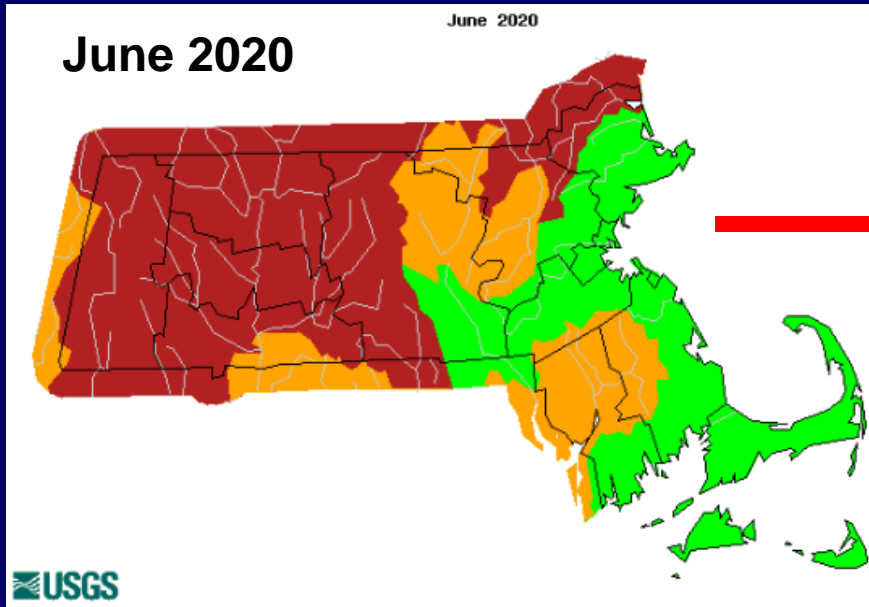
# Streamflow and Groundwater Conditions in Massachusetts

May 6, 2021

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



# Average Streamflow Conditions – June-Aug. 2020



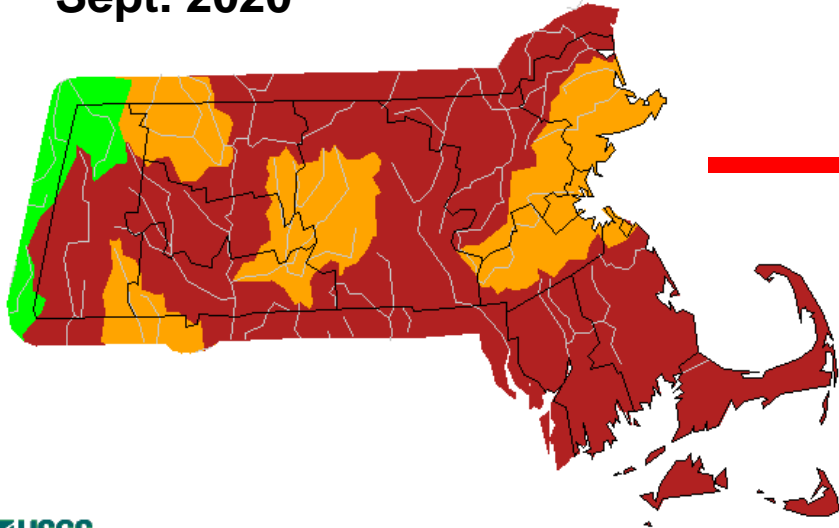
Explanation - Percentile classes

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

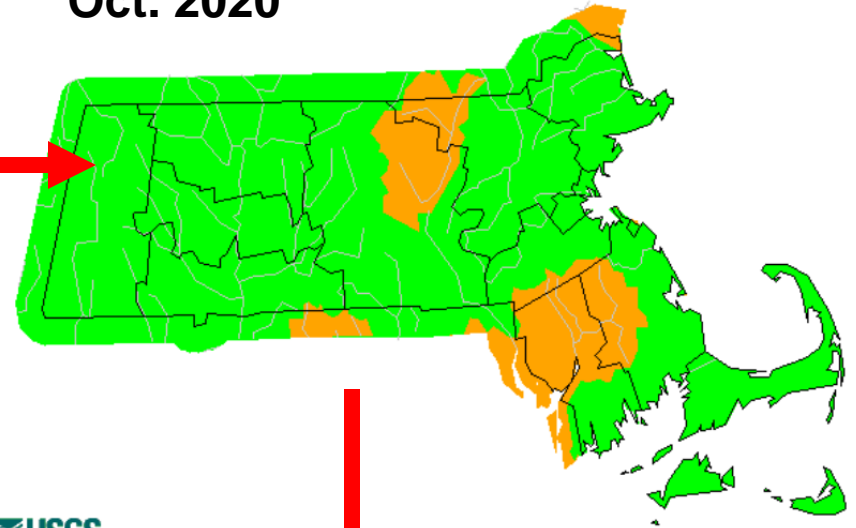
September 2020



USGS

Oct. 2020

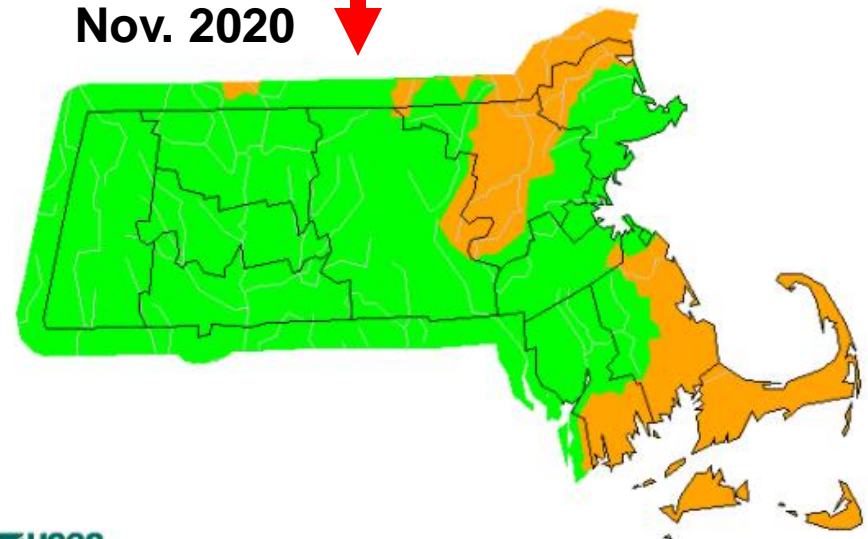
October 2020



USGS

Nov. 2020

November 2020

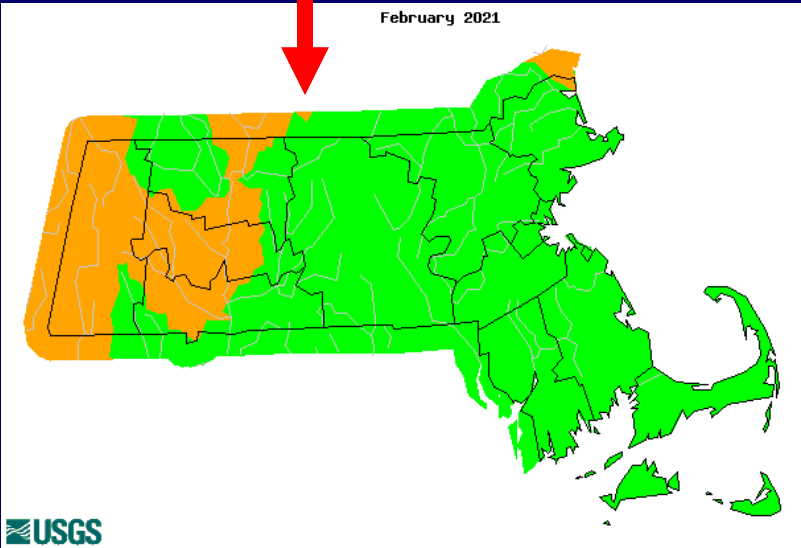
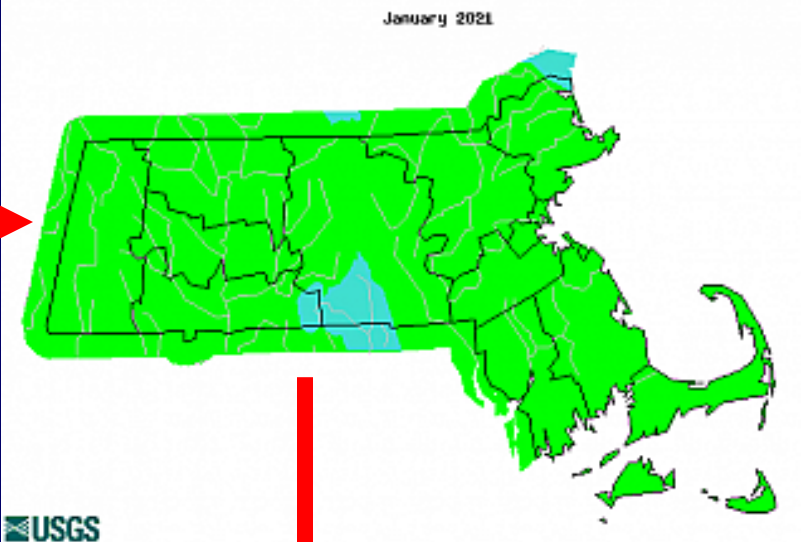
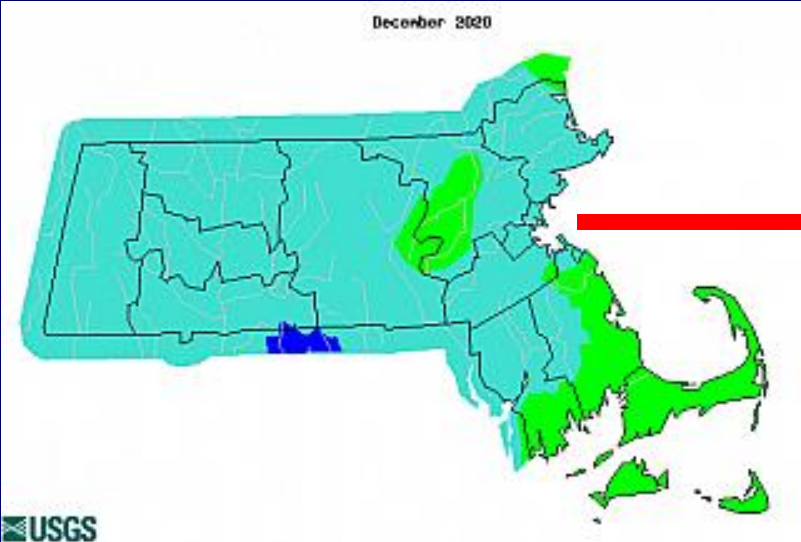


USGS

Explanation - Percentile classes

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

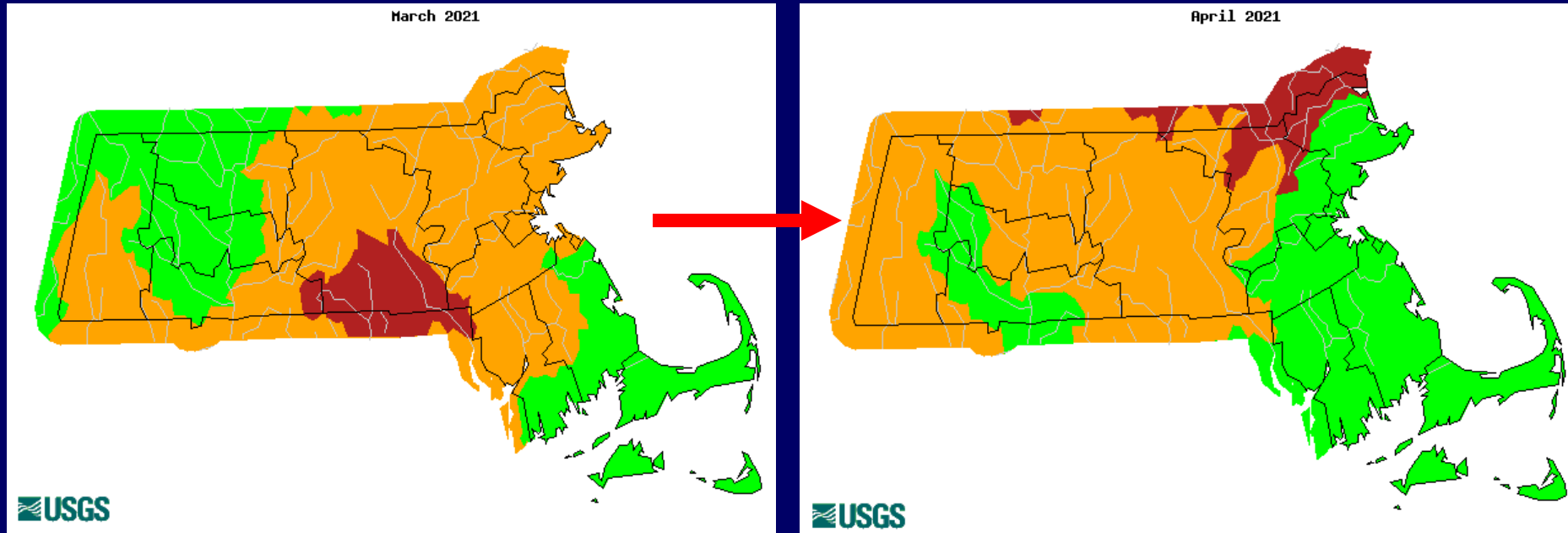
# Average Streamflow Conditions – Dec. 2020 - Feb. 2021



Explanation - Percentile classes

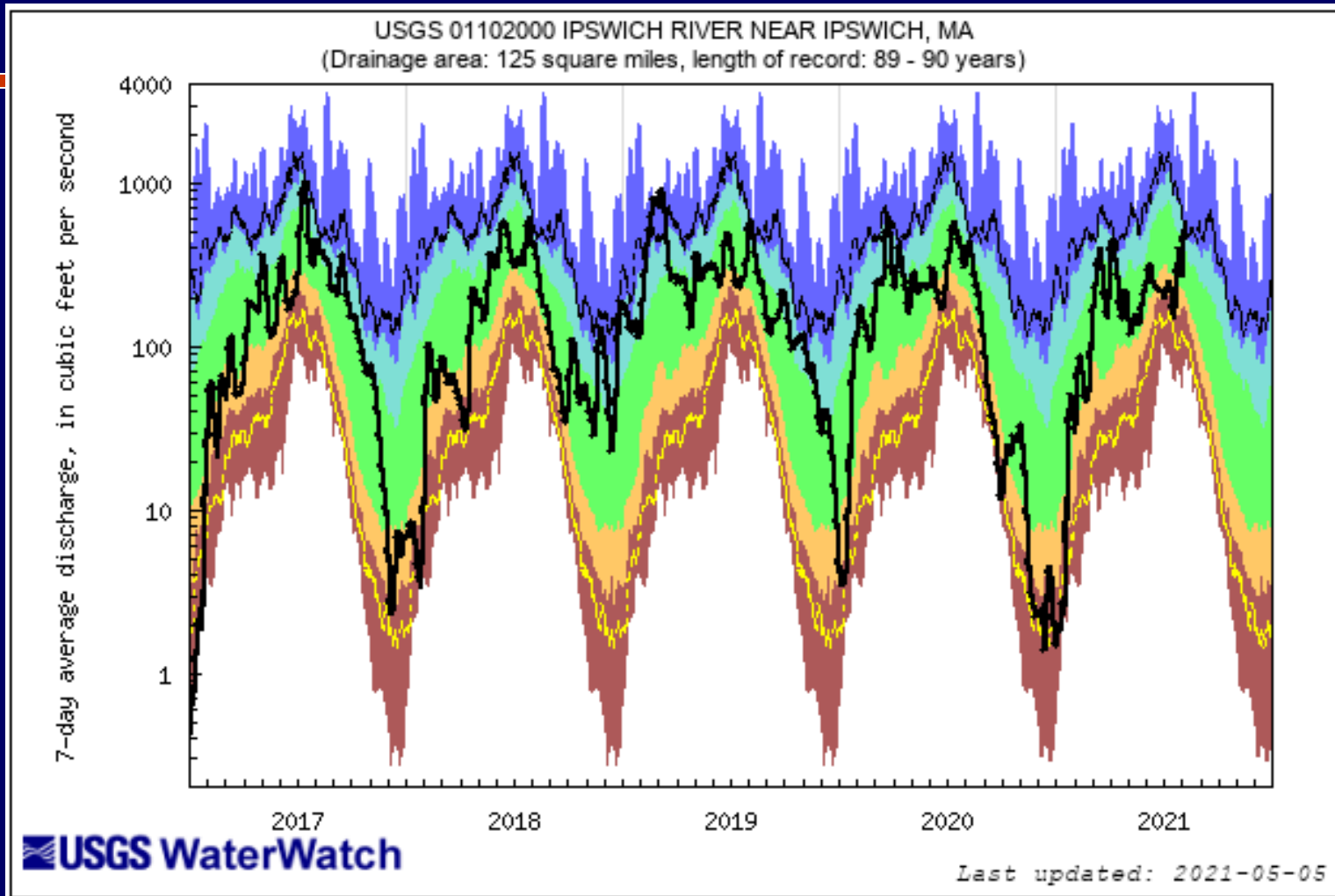
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

# Average Streamflow Conditions – March-April 2021



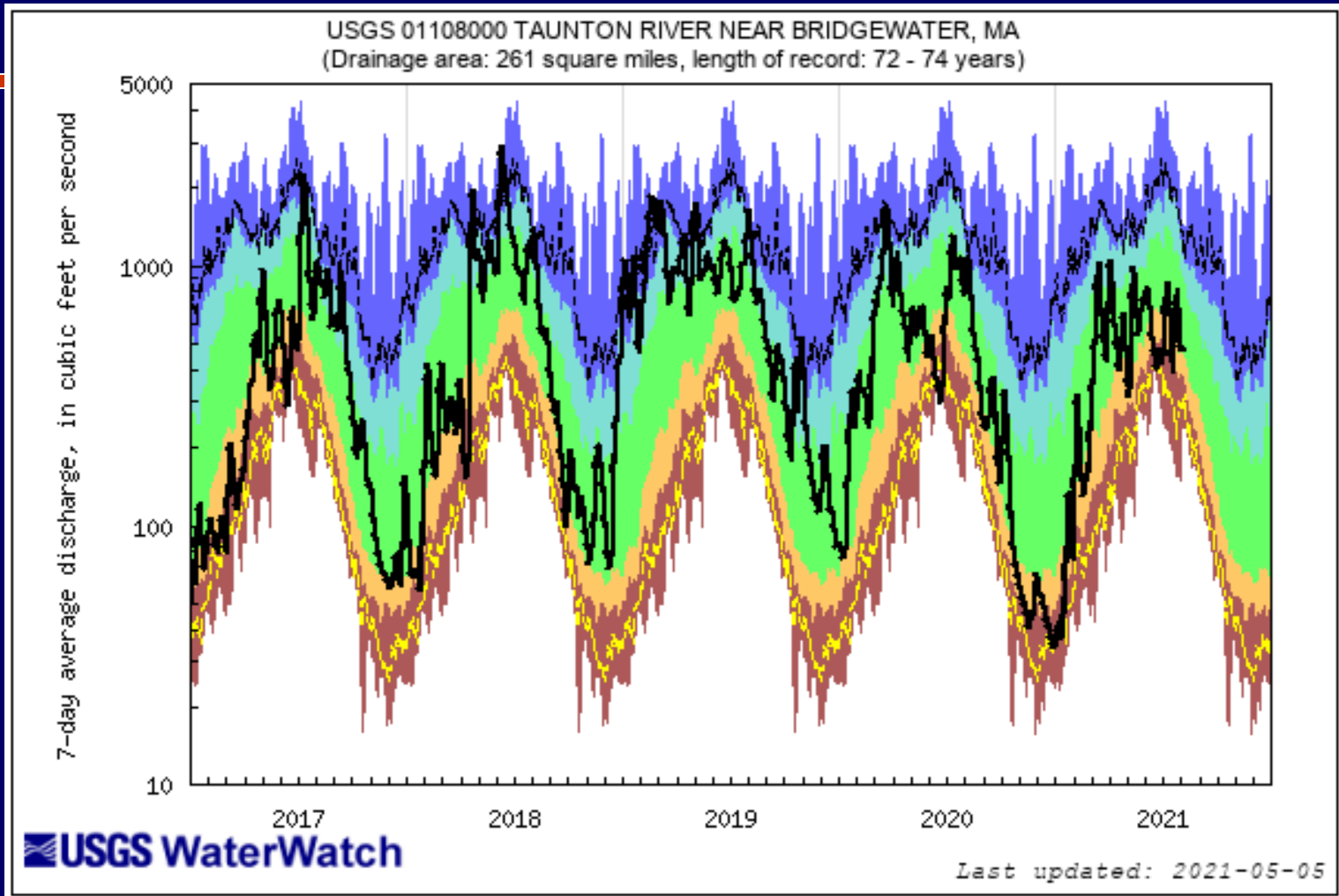
Explanation - Percentile classes							
Low	<10	10-24	25-75	76-90	>90	High	
	Much below normal	Below normal	Normal	Above normal	Much above normal		

# 7-Day Avg. – Ipswich River – Northeastern MA



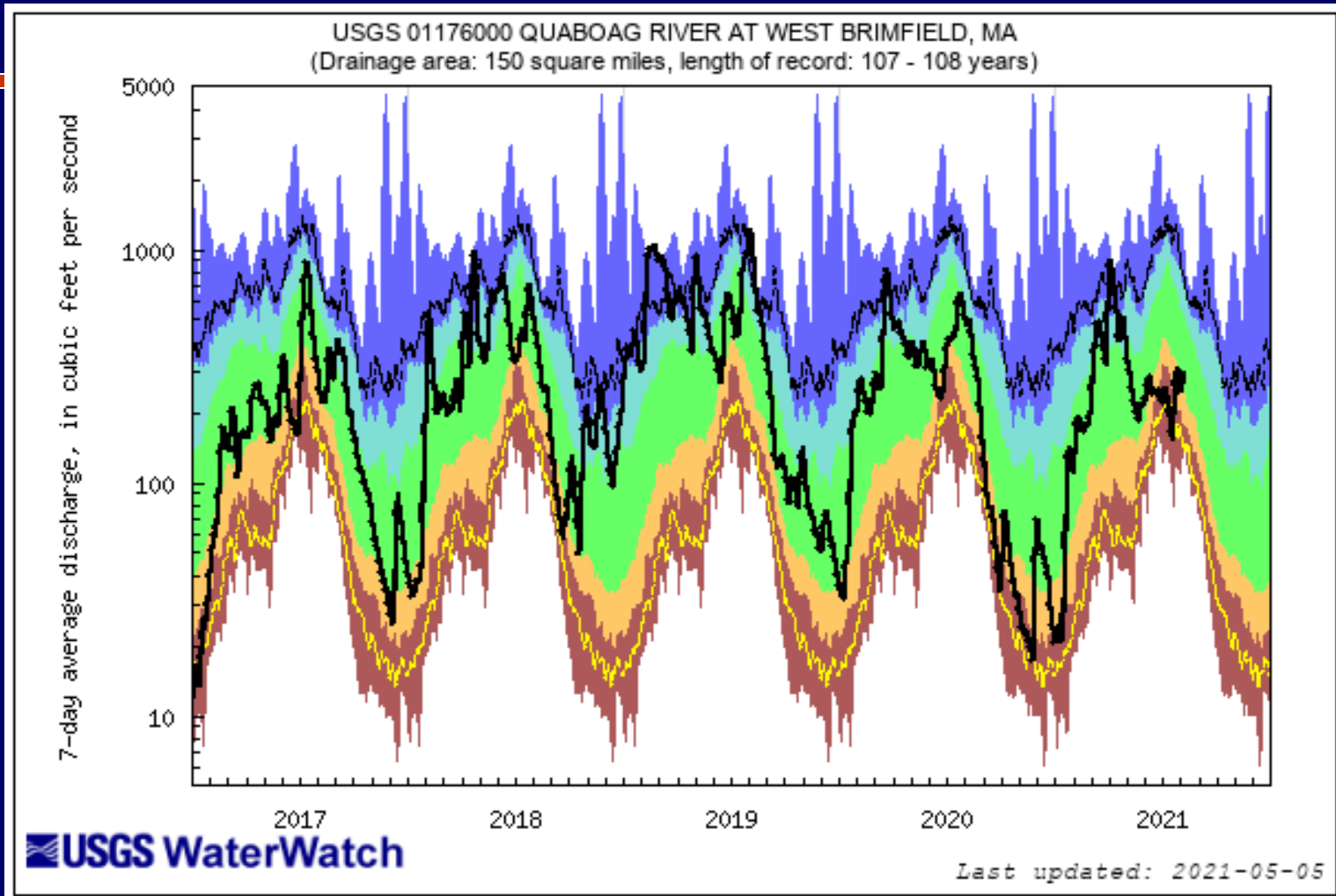
Explanation - Percentile classes						
lowest-10th percentile	5	10-24	25-75	76-90	95	90th percentile -highest
Much below Normal	Below normal	Normal	Above normal	Much above normal		Flow

# 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

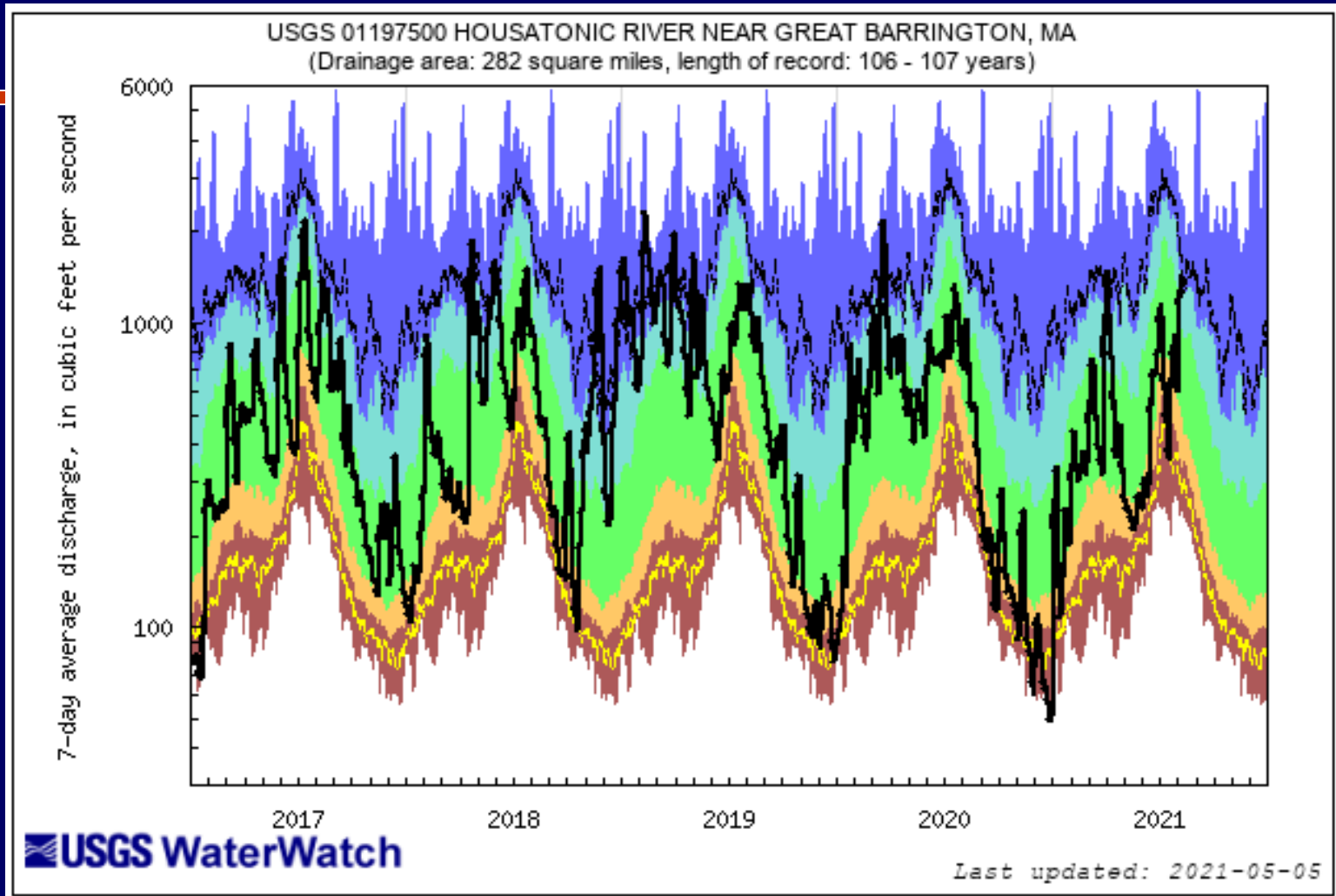
# 7-Day Avg. – Quaboag River – Central MA



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

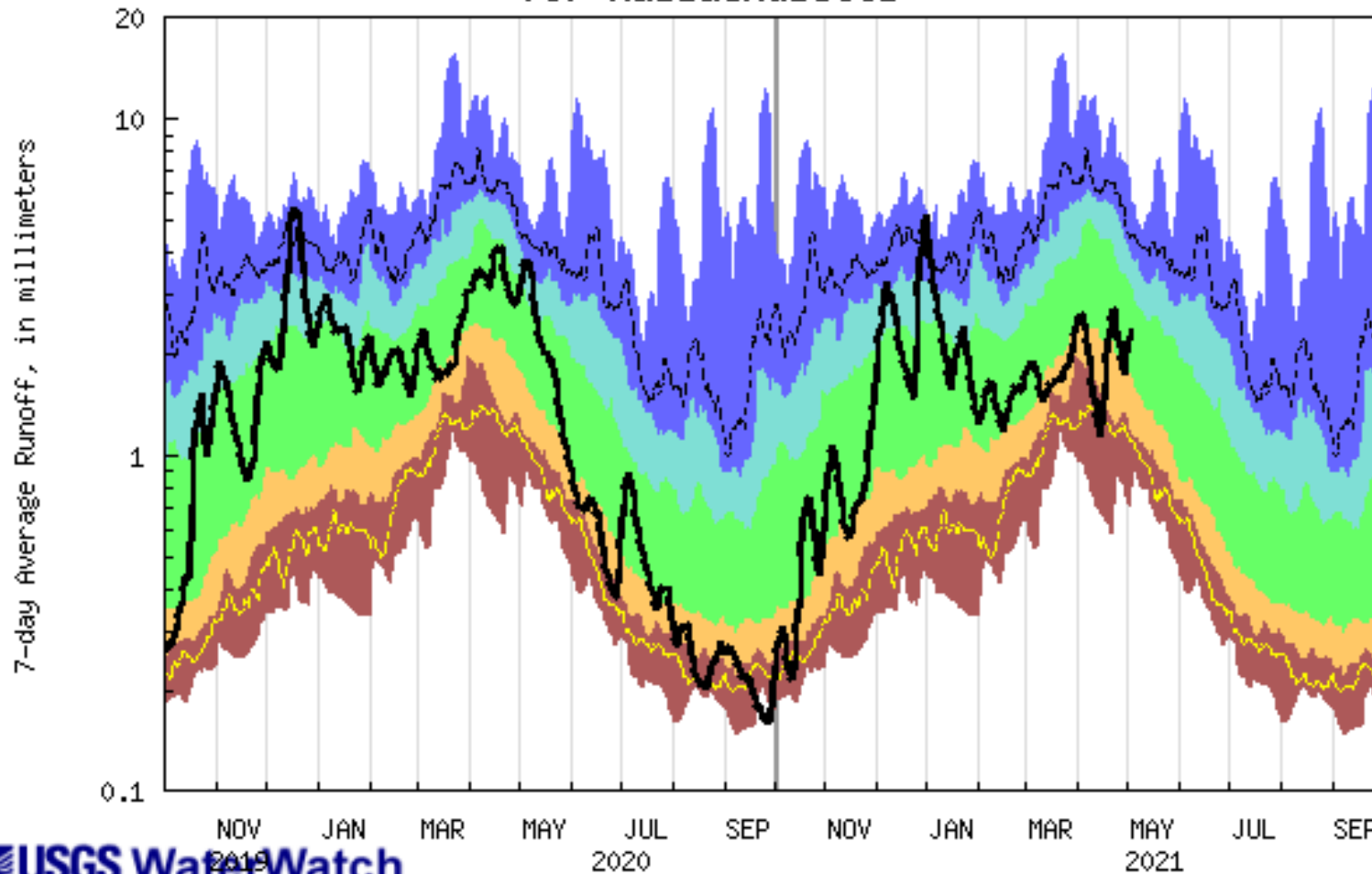


# 7-Day Avg. – Housatonic River – Western MA



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

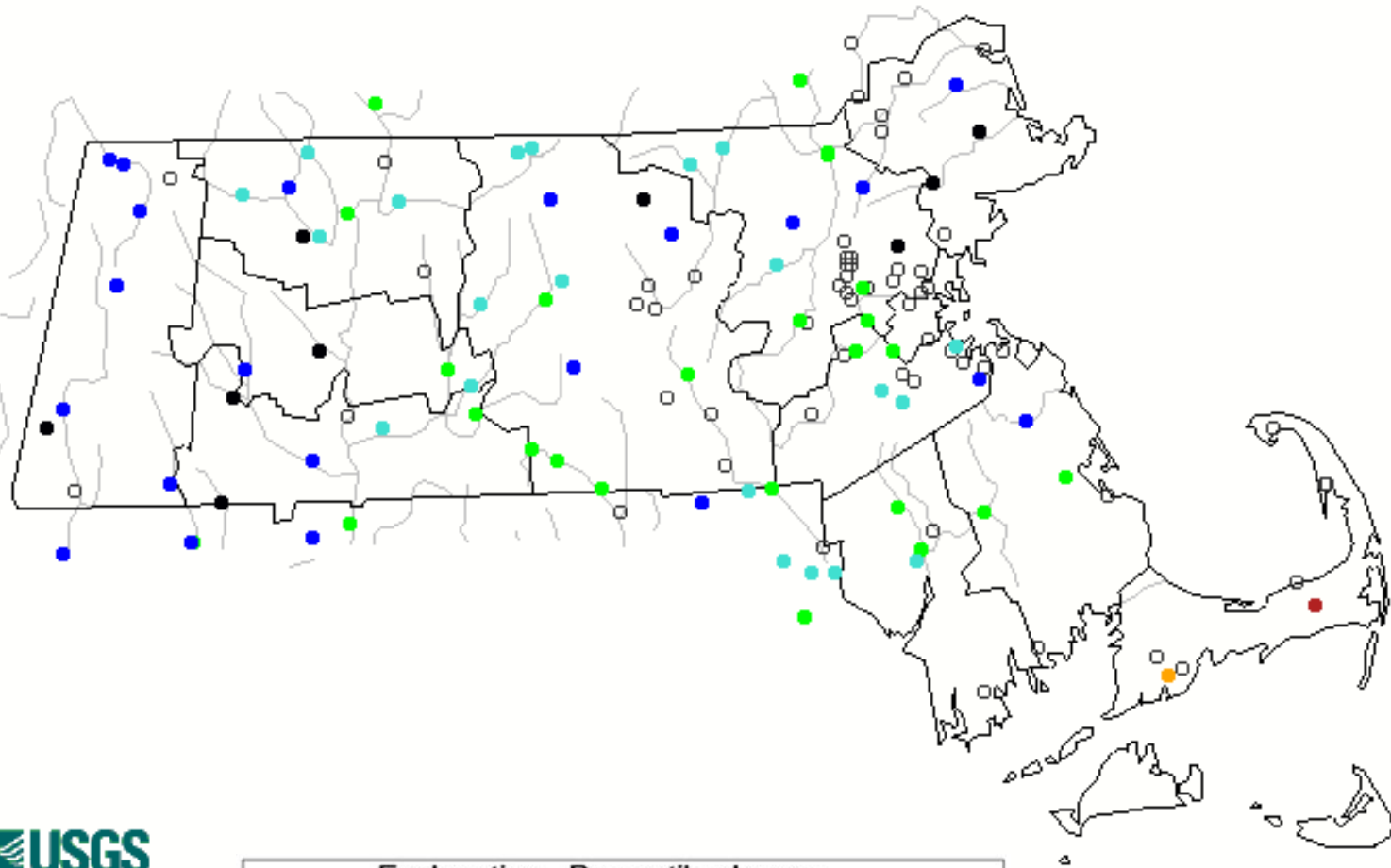


### Explanation - Percentile classes

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

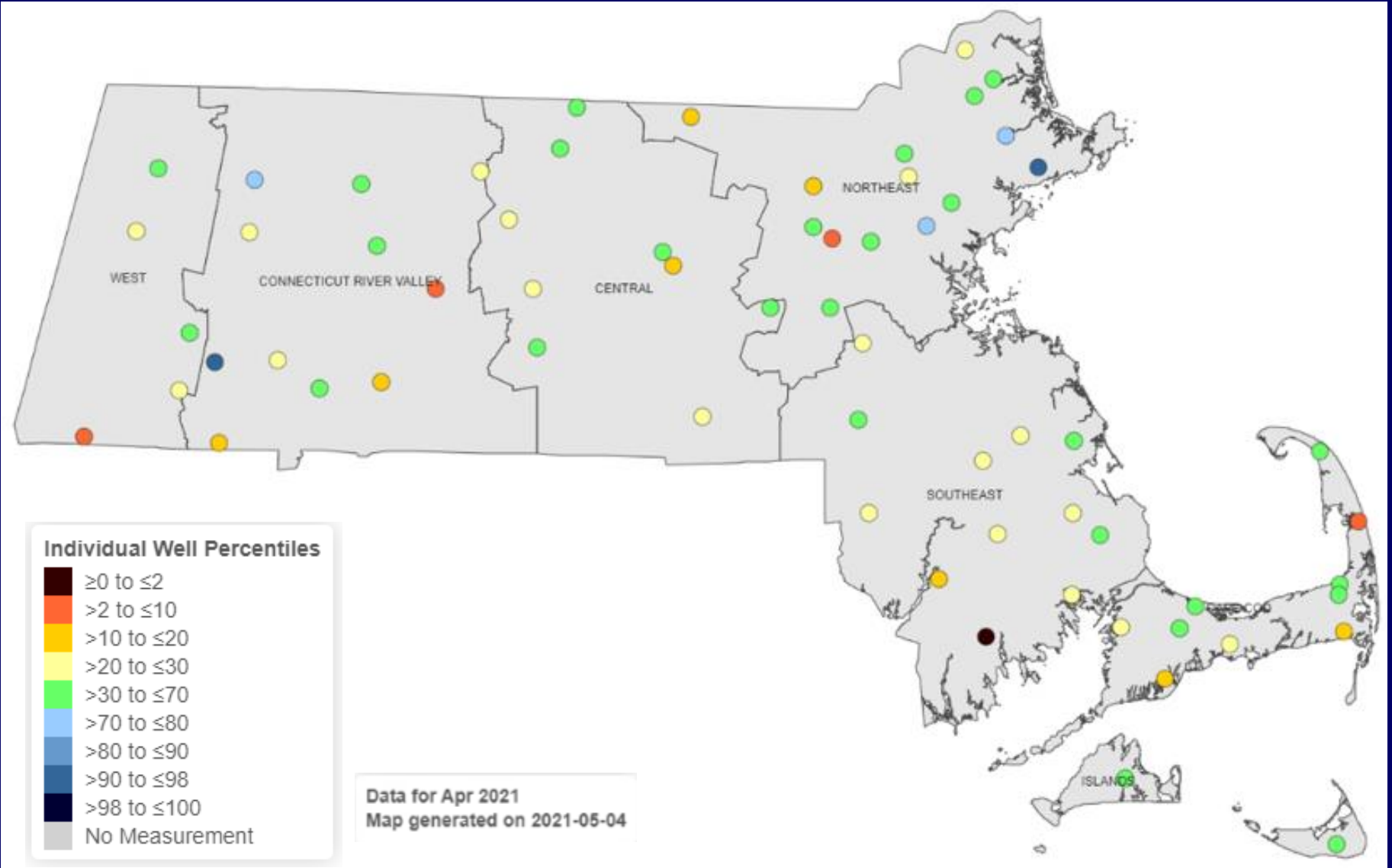
# Streamflow Conditions – May 5, 2021

Wednesday, May 05, 2021 06:30ET

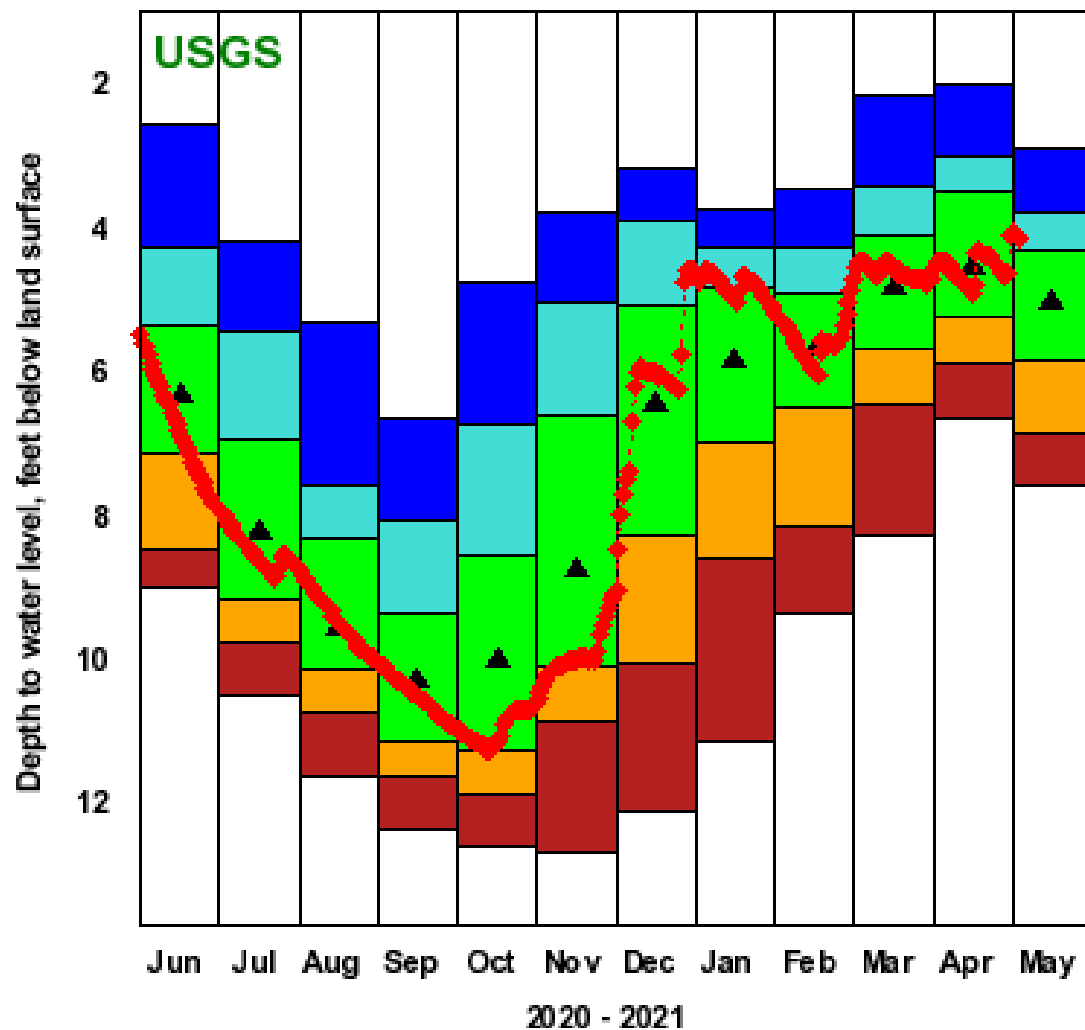


Explanation - Percentile classes						
Low	<10	10-24	25-75	76-90	>90	High
	Much below normal	Below normal	Normal	Above normal	Much above normal	

# Current Groundwater Conditions



4245 20070562401 - MA-NIW 27 NEWBURY, MA



## Period of Record

All data  
July 1959 – present

Continuous data  
Oct. 1984 - present

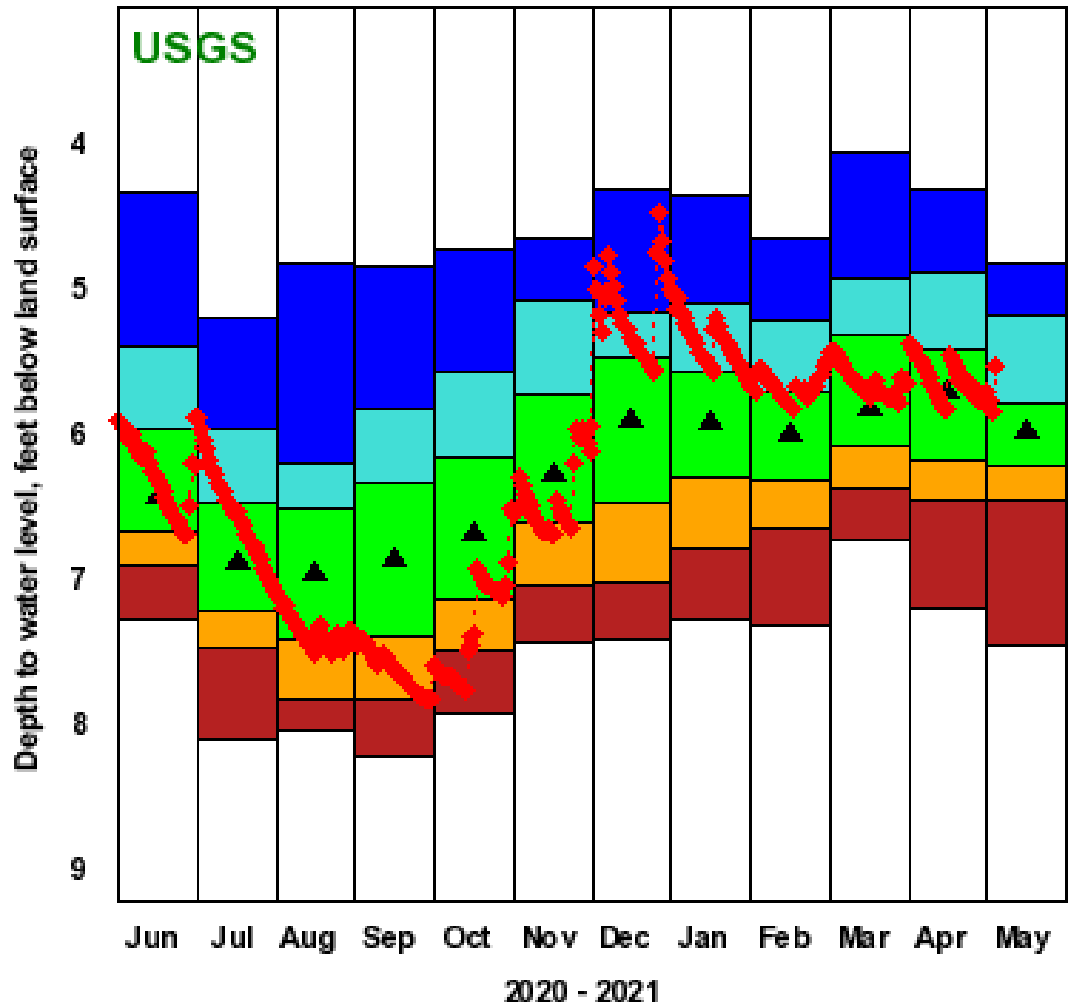
Explanation - Percentile Classes

◆ Data Point

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

▲ Monthly Median

420544071173701 - MA-NNW 27R NORFOLK, MA



## Period of Record

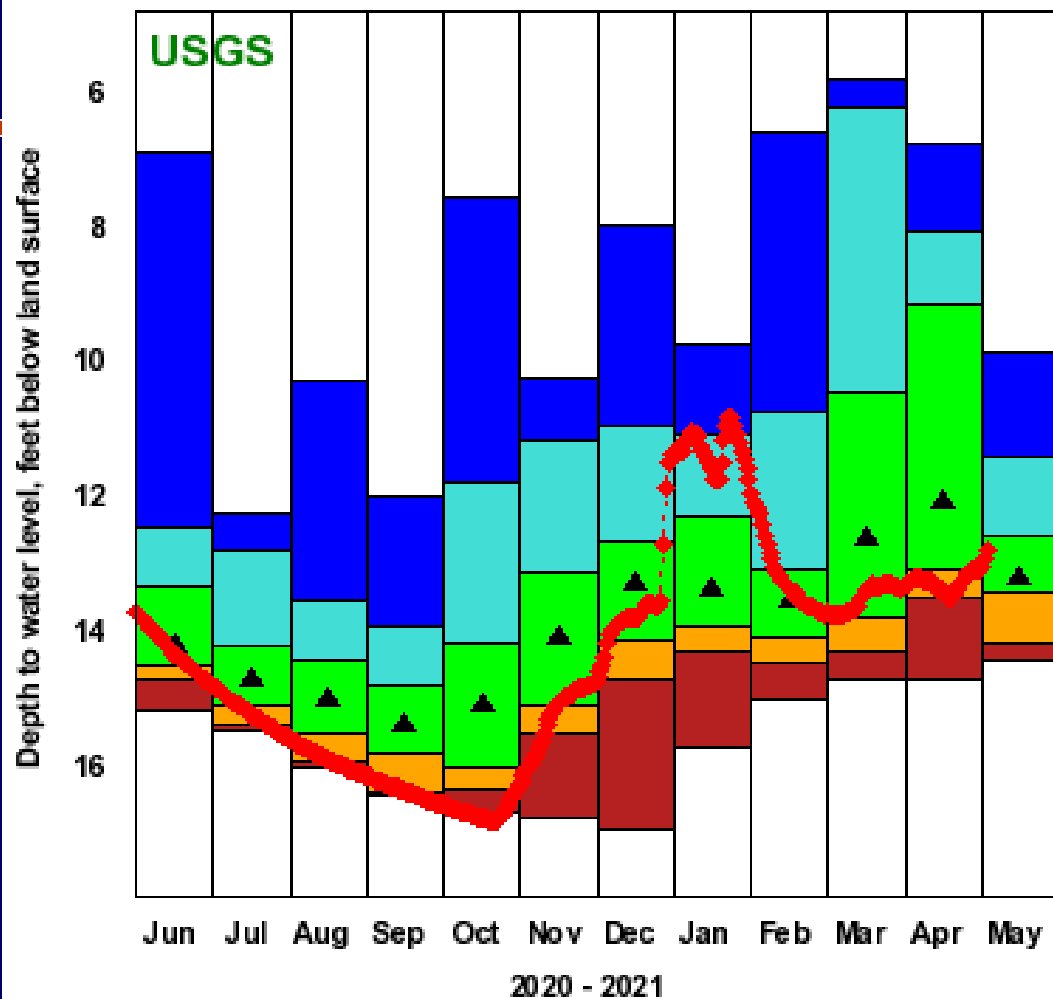
All data  
Dec. 1964 – present

Continuous data  
Aug. 2001 - present

Explanation - Percentile Classes



422906072124301 - MA-PHW 16 PETERSHAM, MA



Explanation - Percentile Classes

◆ Data Point

● <10 ● 10-24 ● 25-75 ● 76-90 ● >90

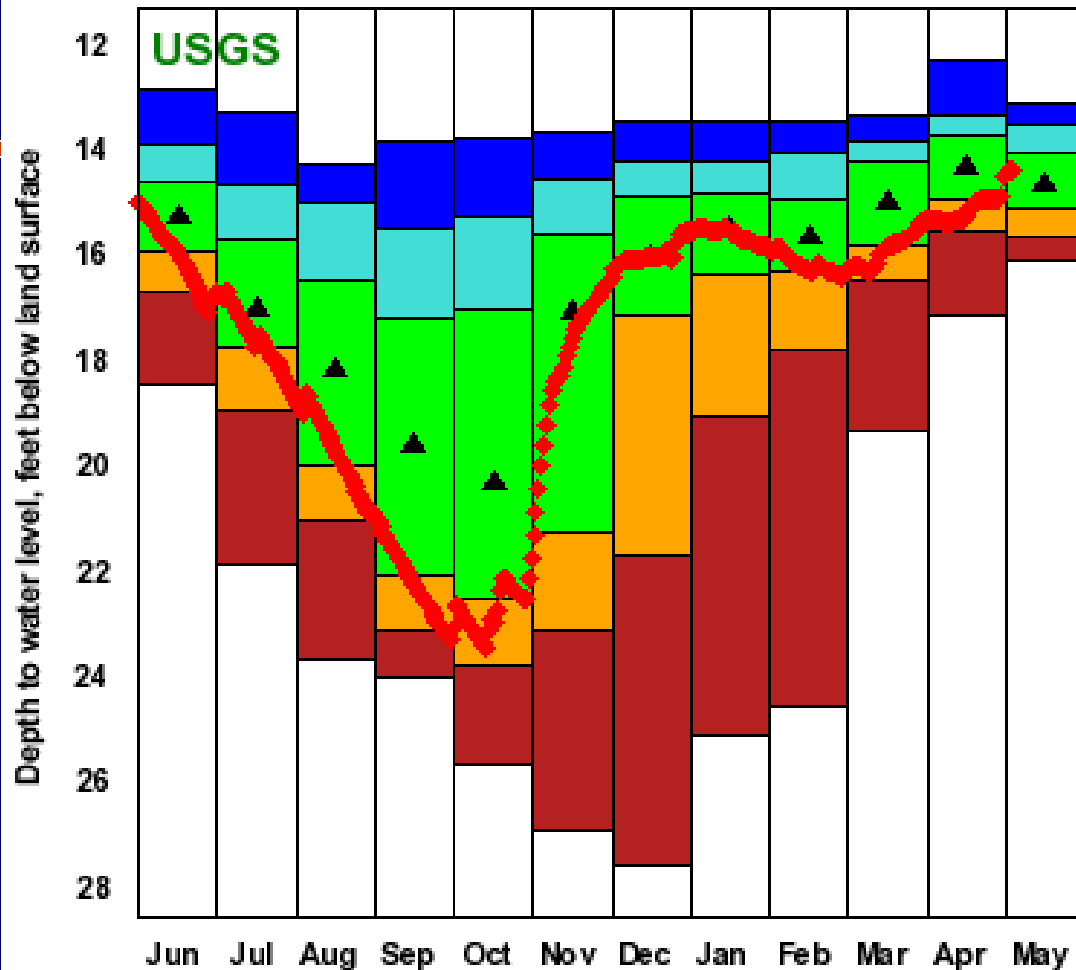
▲ Monthly Median

## Period of Record

All data  
Jan. 1984 – present

Continuous data  
May 2012 - present

42274507 3112001 - MA-PTW 51 PITTSFIELD, MA



2020 - 2021

Plot created 05/05/21 08:17

Explanation - Percentile Classes

◆ Data Point

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

▲ Monthly Median

## Period of Record

All data

Aug. 1963 – present

Continuous data

Oct. 1984 - present



# Questions

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