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# Streamflow and Groundwater Conditions in Massachusetts

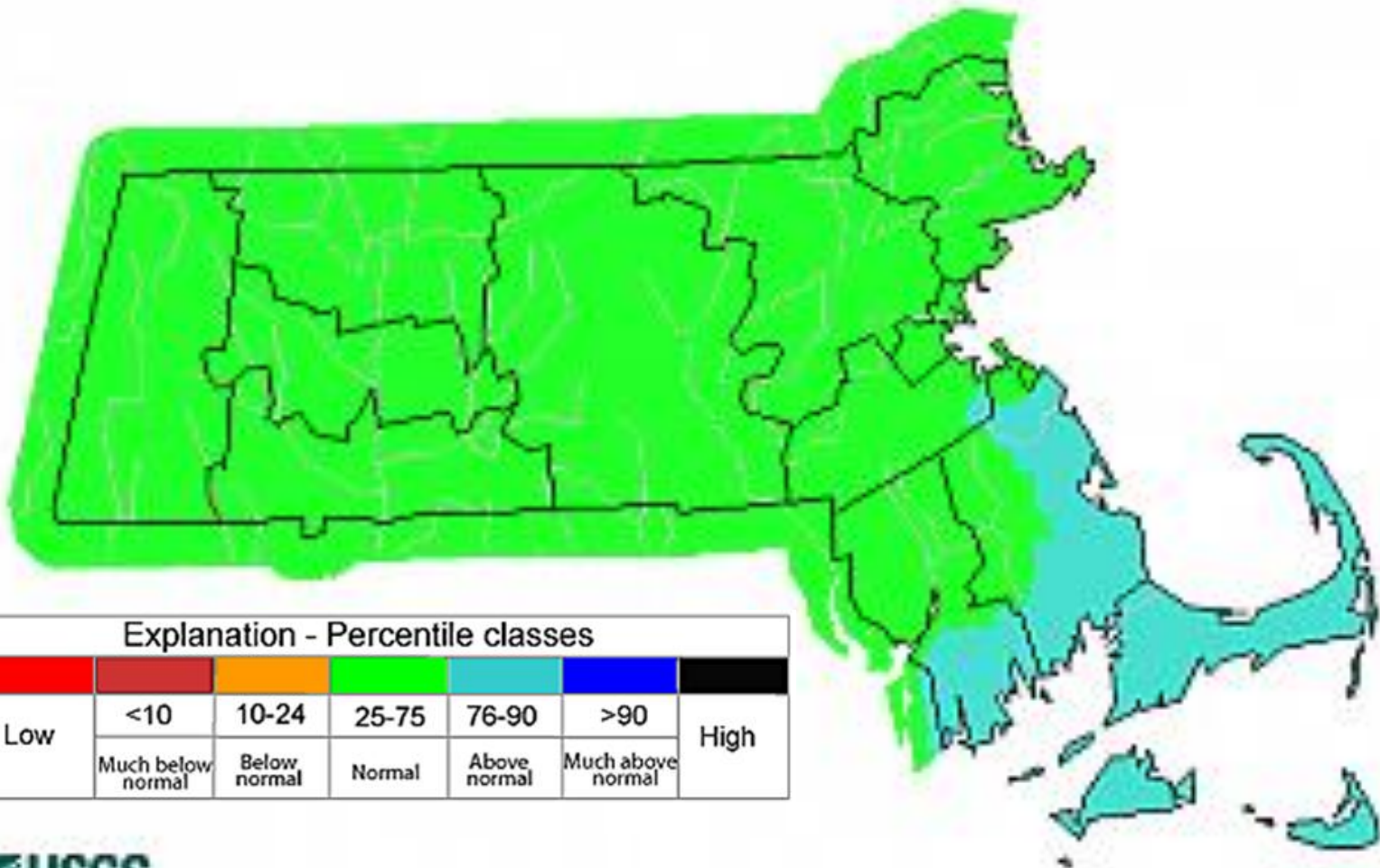
June 24, 2020

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



# Average Streamflow Conditions – April 2020

April 2020

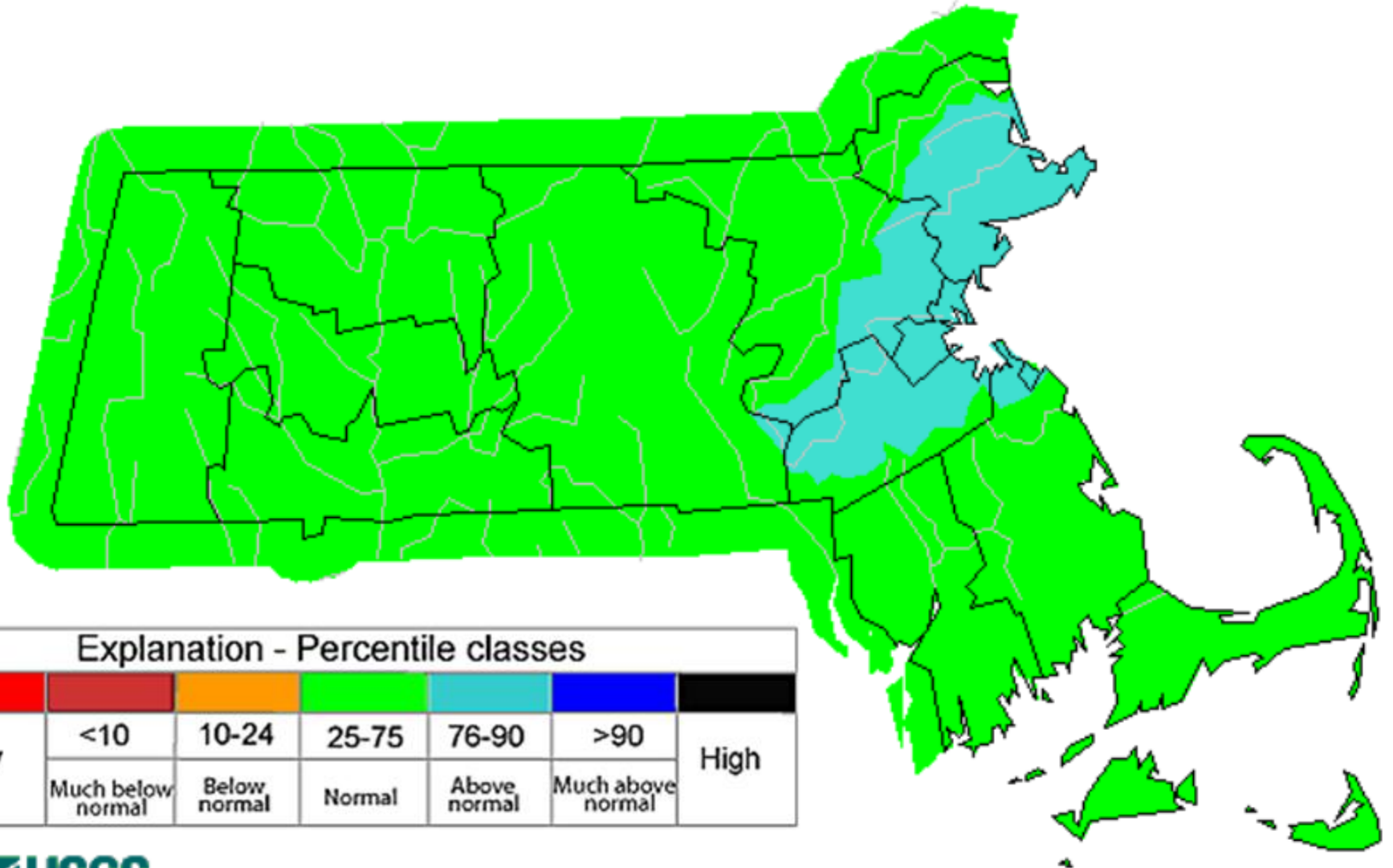


Explanation - Percentile classes

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

# Average Streamflow Conditions – May 2020

May 2020

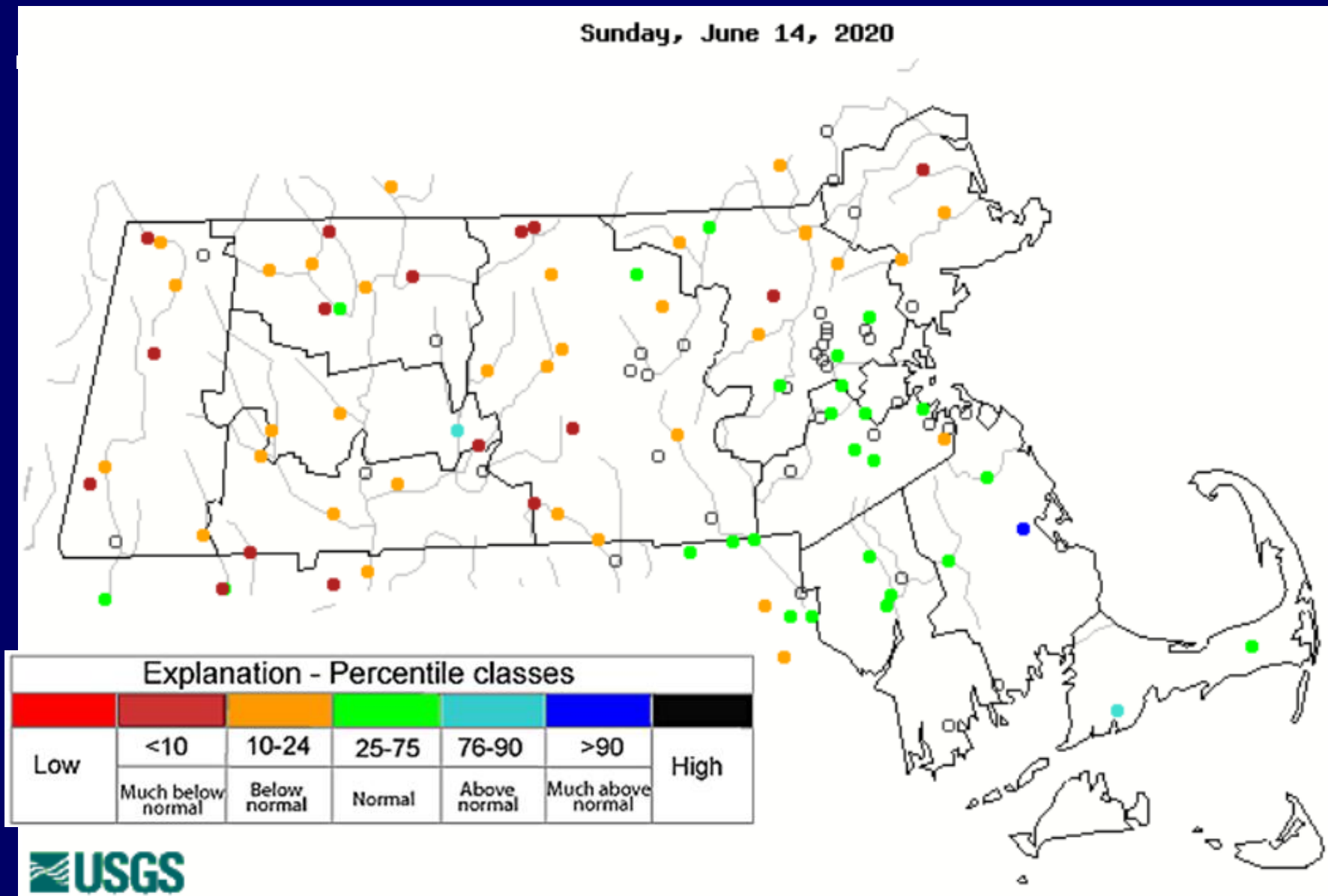


Explanation - Percentile classes

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

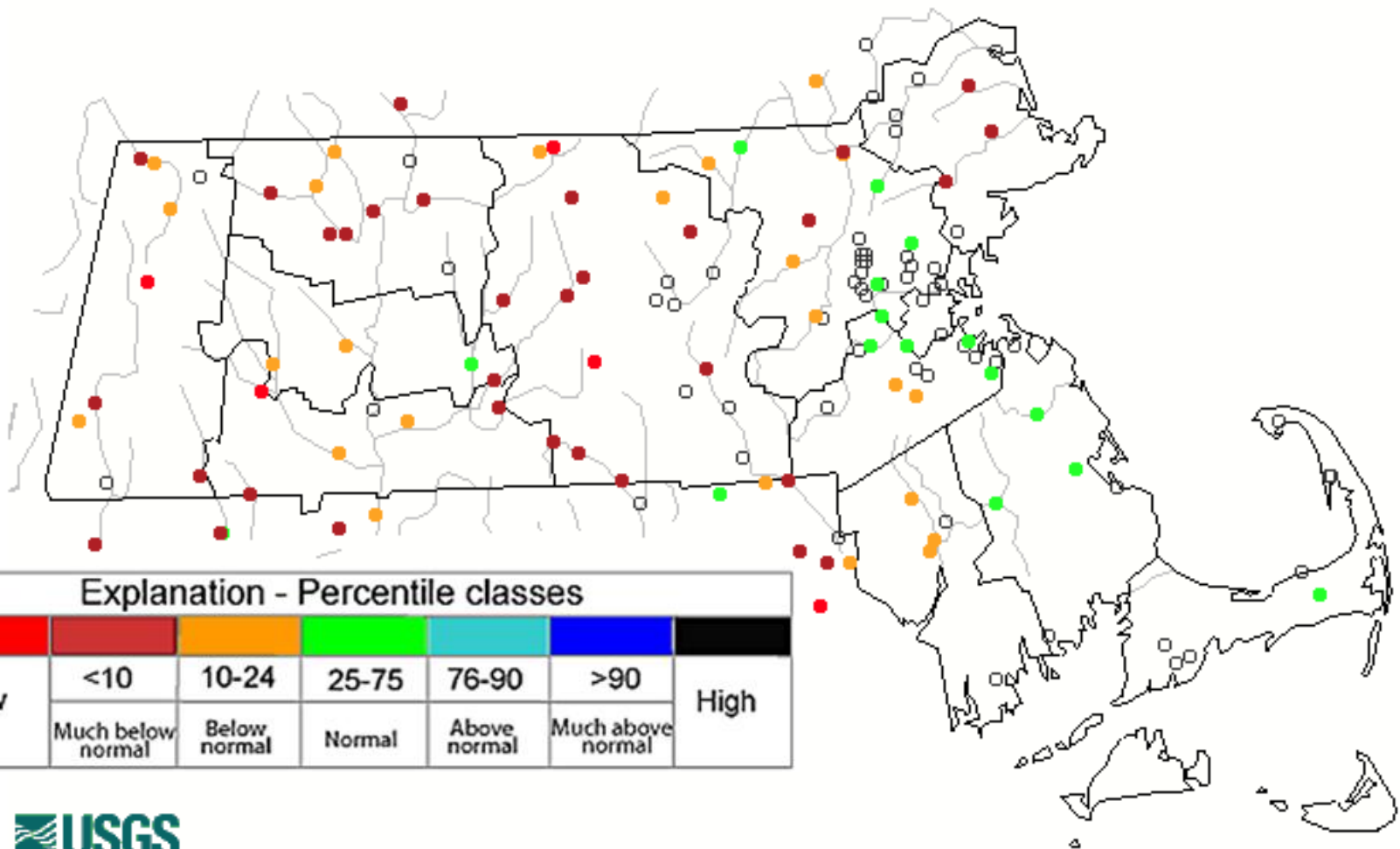
# Current Streamflow Conditions – June 14, 2020

Sunday, June 14, 2020



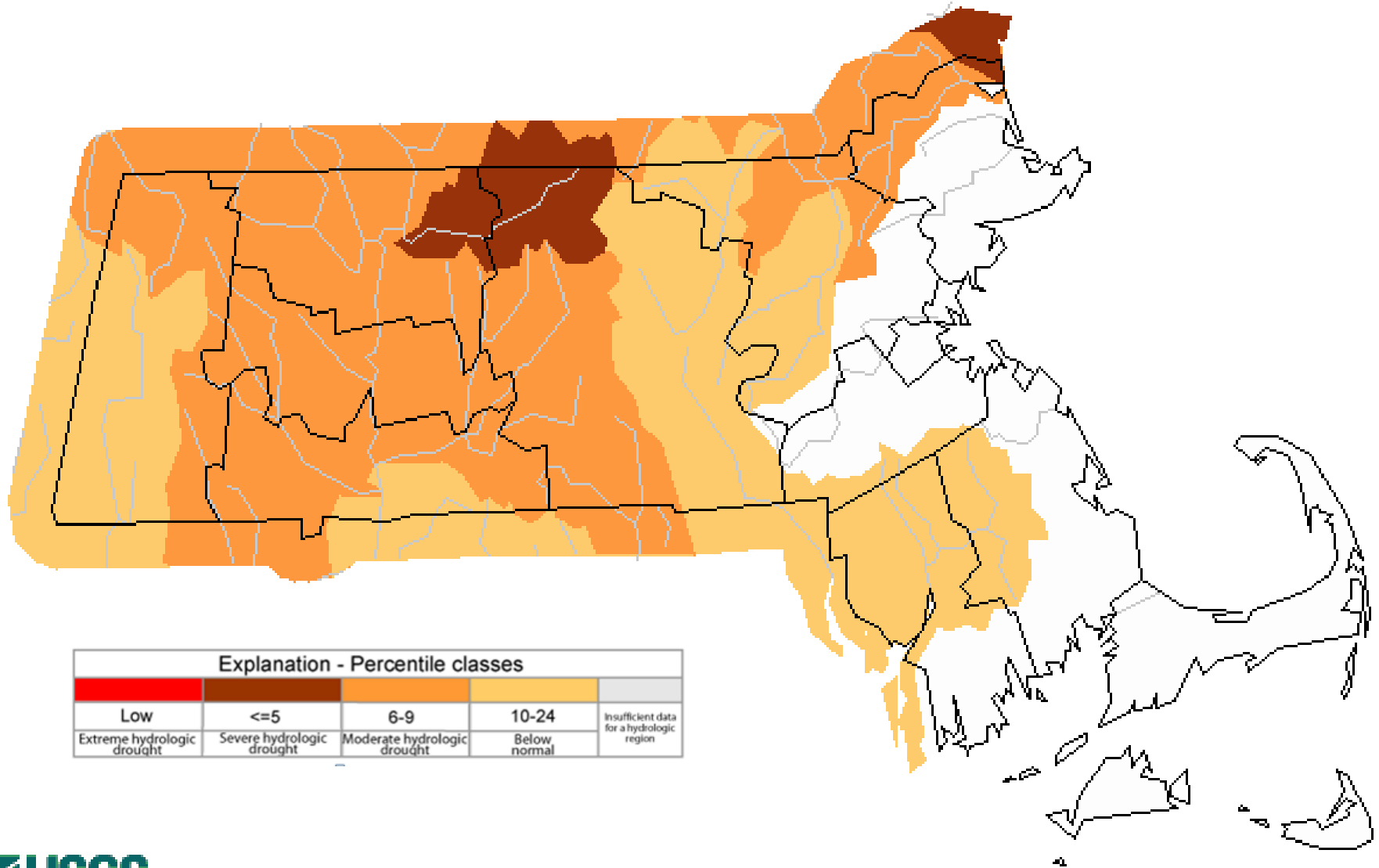
# Current Streamflow Conditions – June 23, 2020

Tuesday, June 23, 2020 06:30ET



# Below normal 28-day average streamflow – June 21, 2020

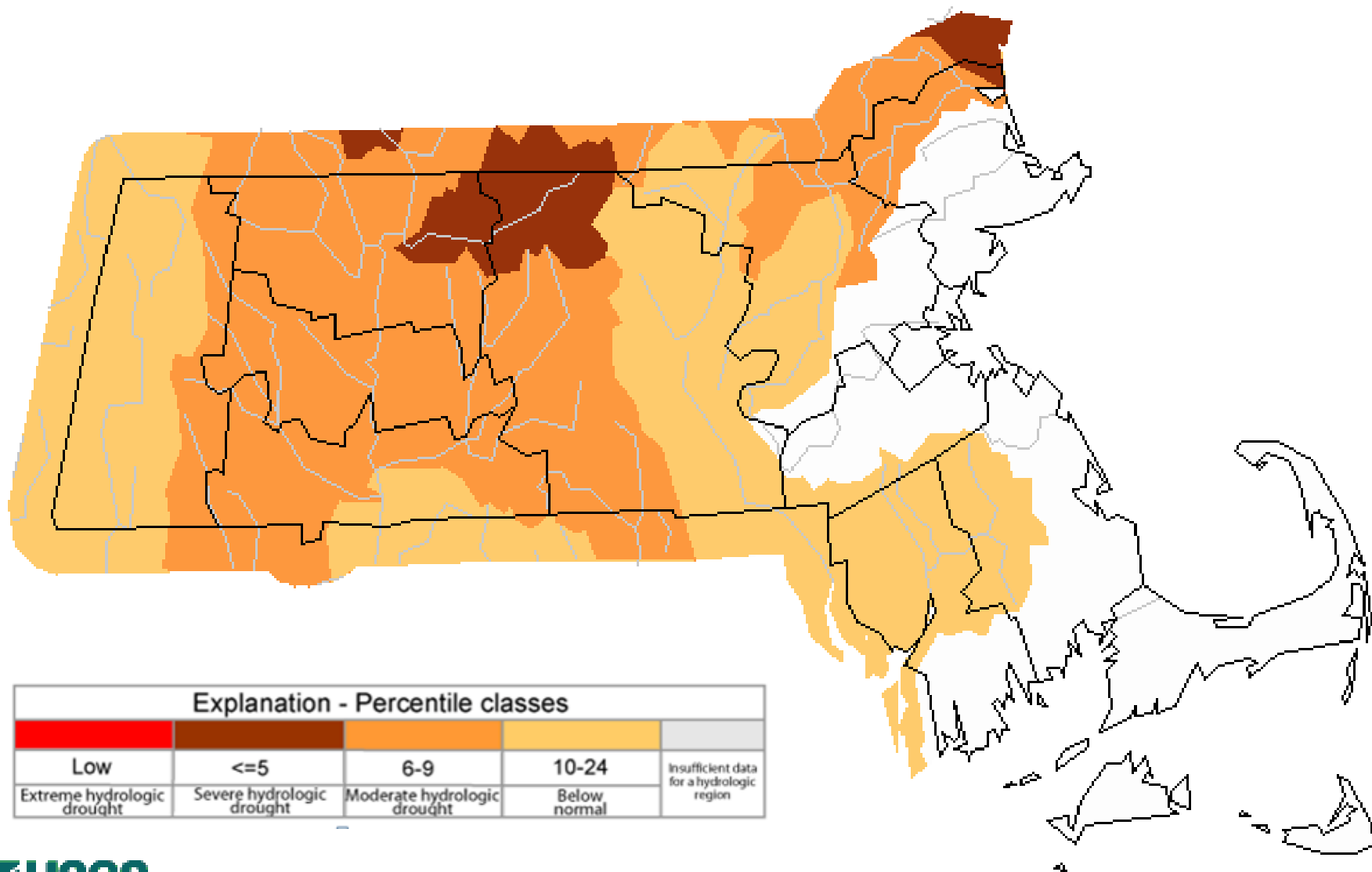
Sunday, June 21, 2020



Explanation - Percentile classes				
Low	<=5	6-9	10-24	Insufficient data for a hydrologic region
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	

# Below normal 14-day average streamflow – June 21, 2020

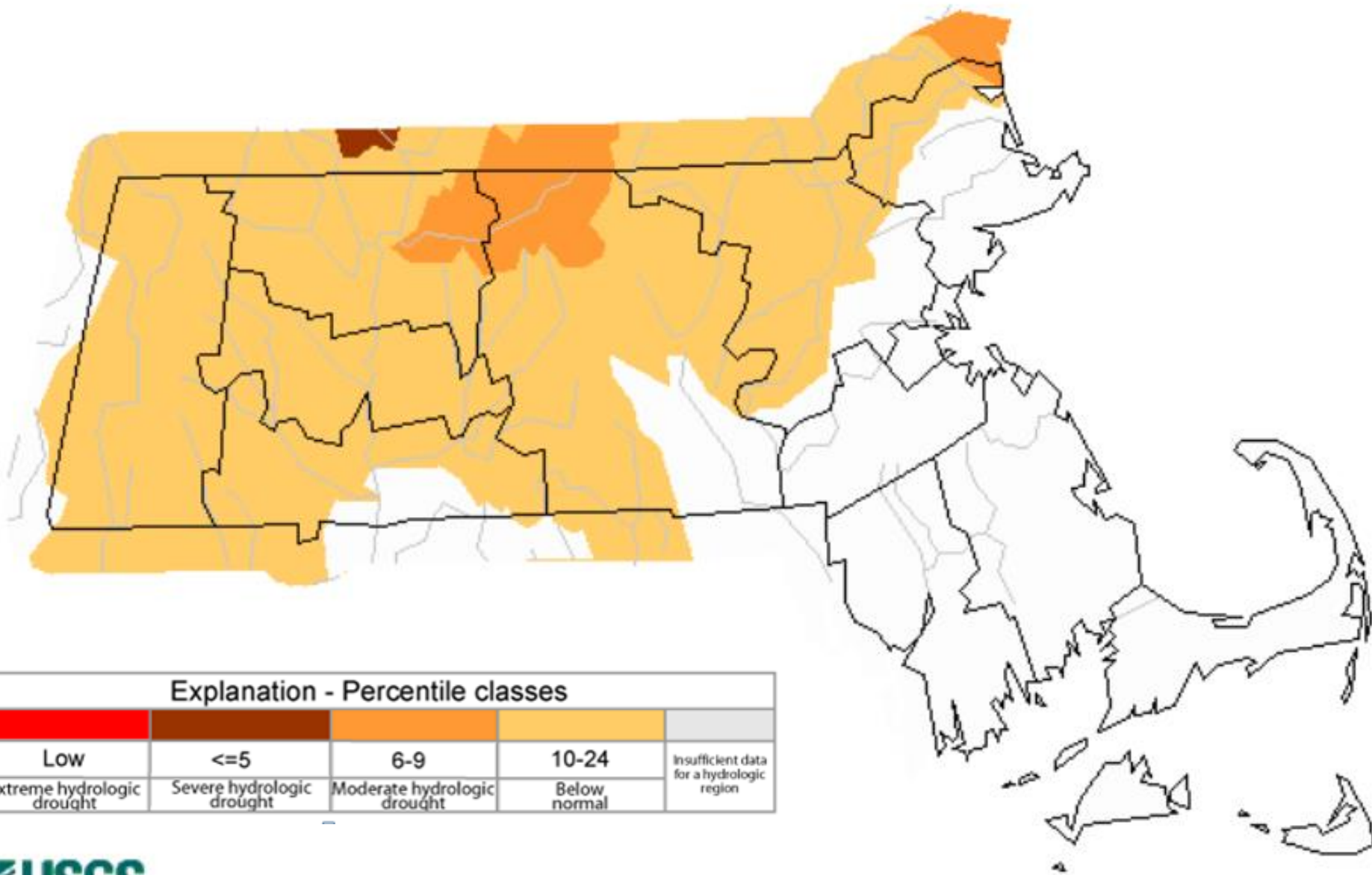
Sunday, June 21, 2020





# Below normal 7-day average streamflow – June 14, 2020

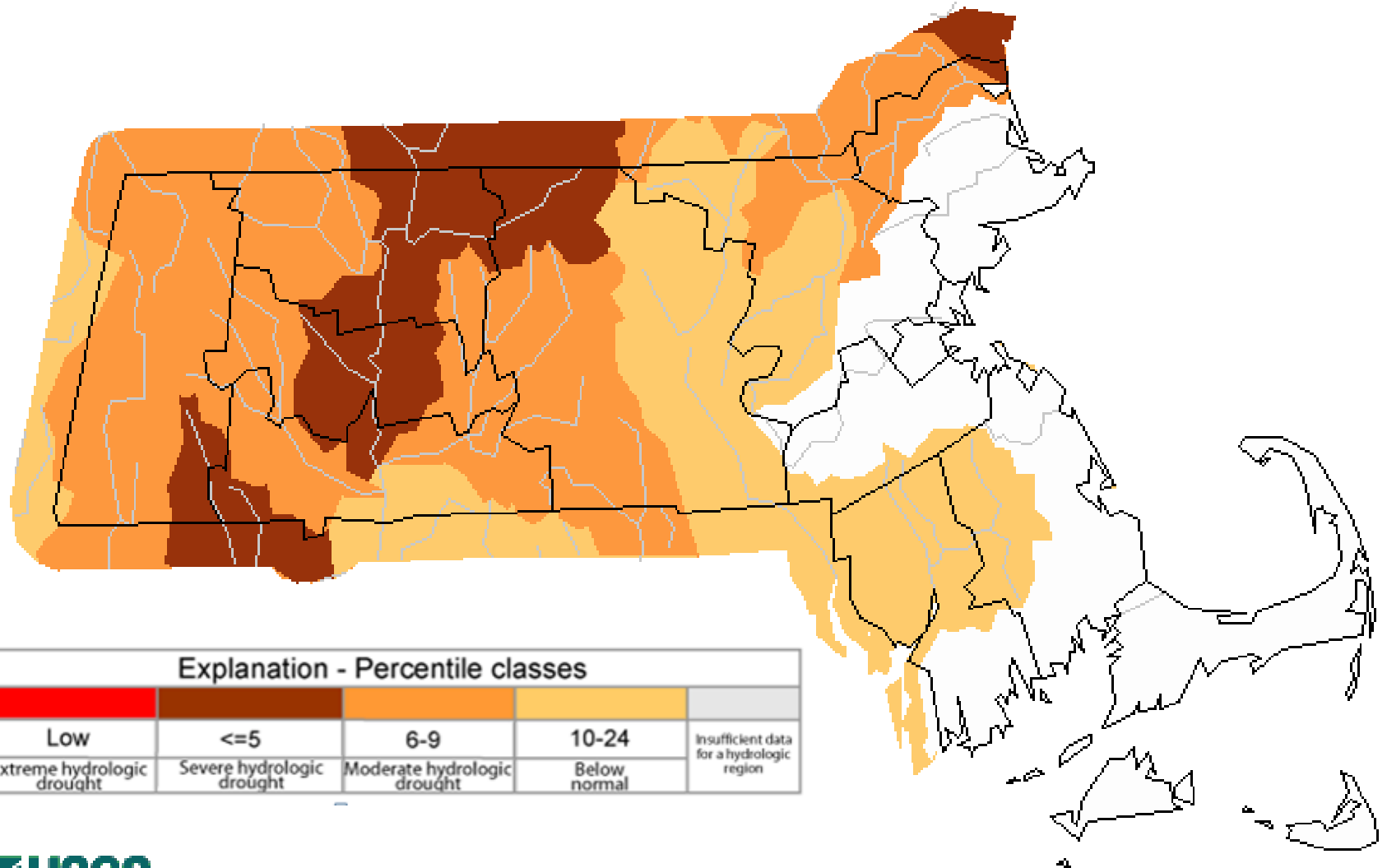
Sunday, June 14, 2020





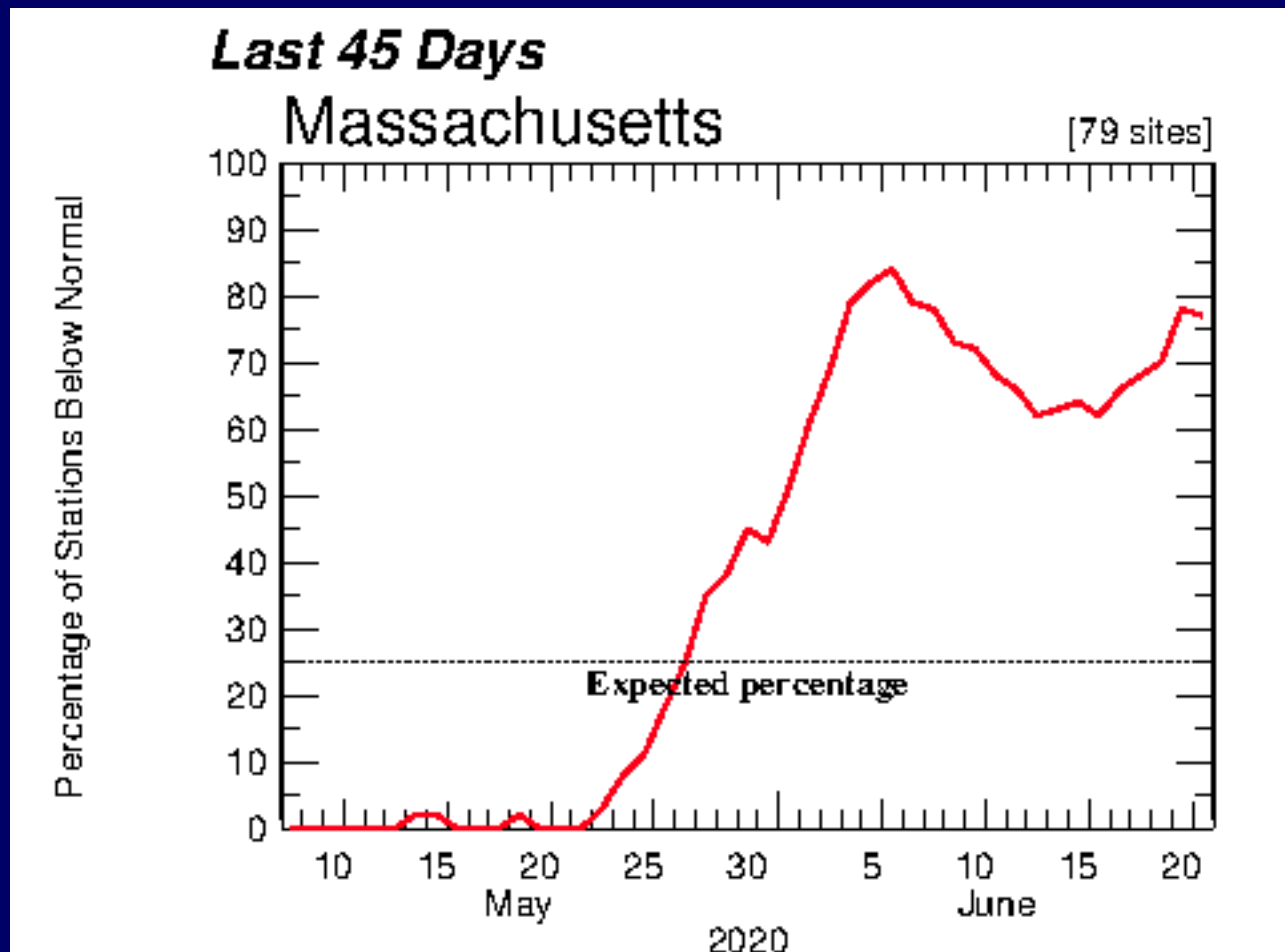
# Below normal 7-day average streamflow – June 21, 2020

Sunday, June 21, 2020

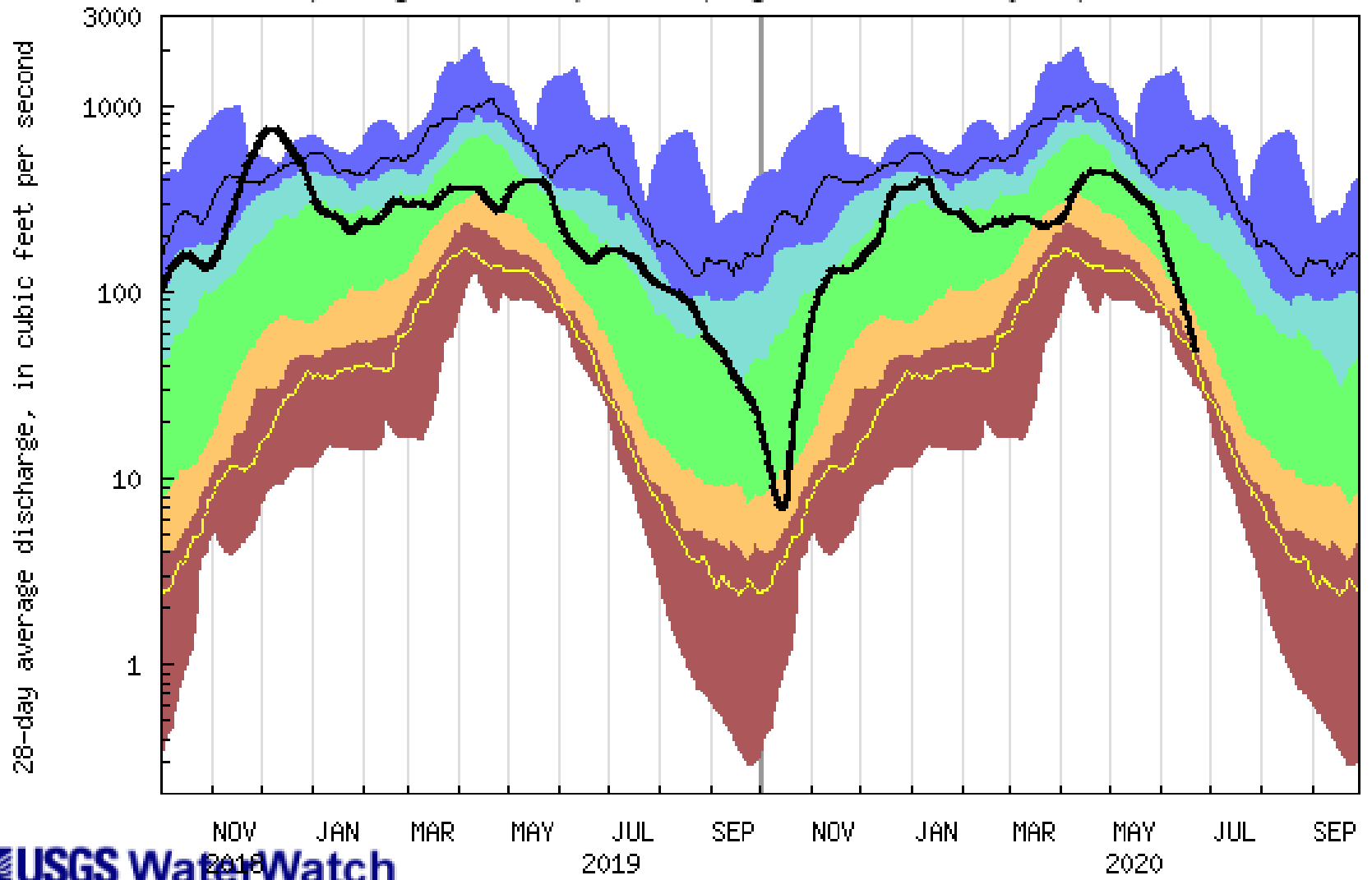


Explanation - Percentile classes				
Low	<=5	6-9	10-24	Insufficient data for a hydrologic region
Extreme hydrologic drought	Severe hydrologic drought	Moderate hydrologic drought	Below normal	

# Percent of sites below normal



USGS 01102000 IPSWICH RIVER NEAR IPSWICH, MA  
 (Drainage area: 125 square miles, length of record: 88 - 89 years)

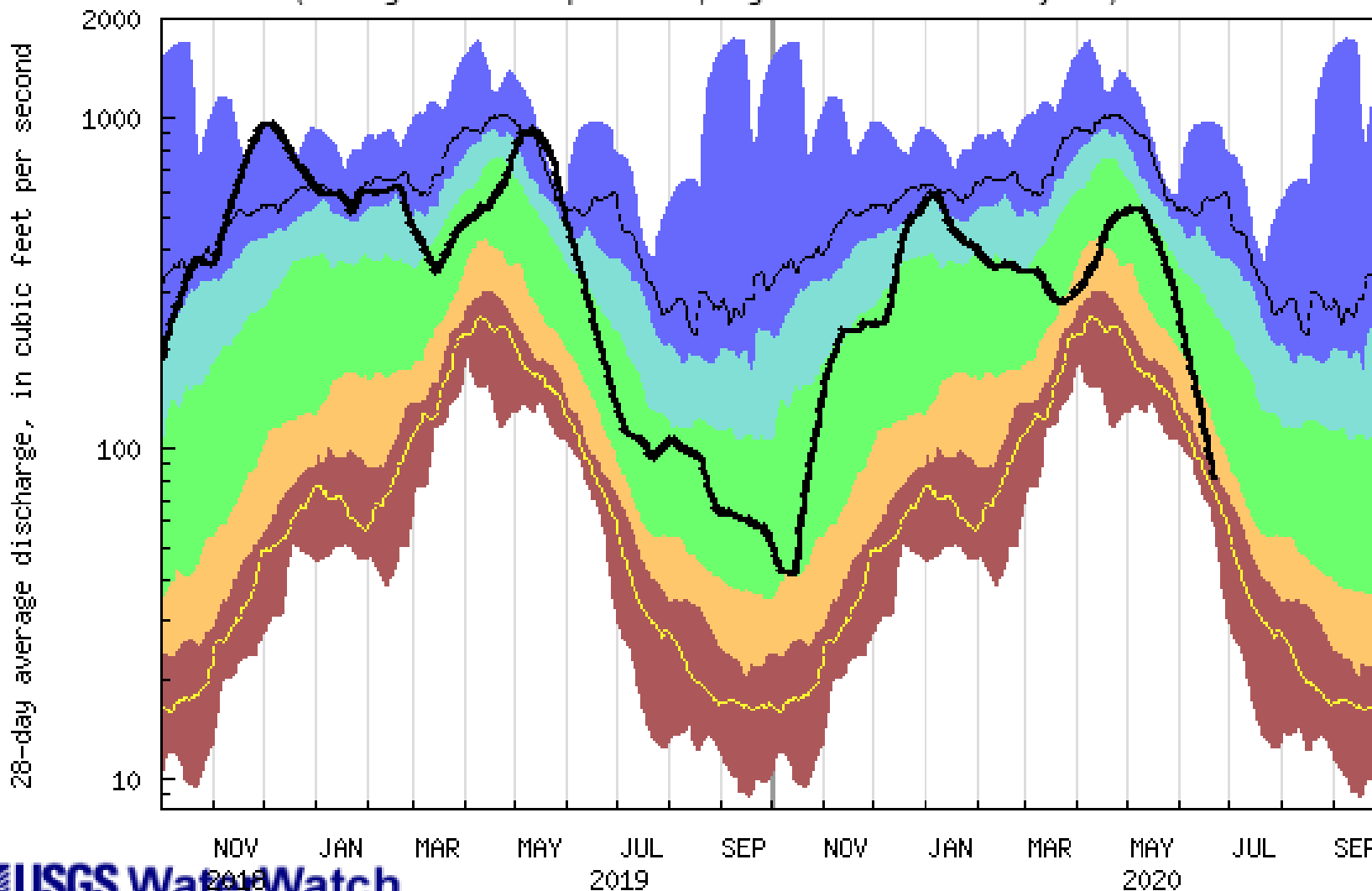


**USGS WaterWatch**

Last updated: 2020-06-23

lowest-5th percentile	6-9	10-24	25-75	76-90	91-94	95th percentile-highest	Flow
Severe hydrologic drought	Moderate hydrologic drought	Below normal	Normal	Above normal	Much above normal		

USGS 01176000 QUABOAG RIVER AT WEST BRIMFIELD, MA  
 (Drainage area: 150 square miles, length of record: 106 - 107 years)

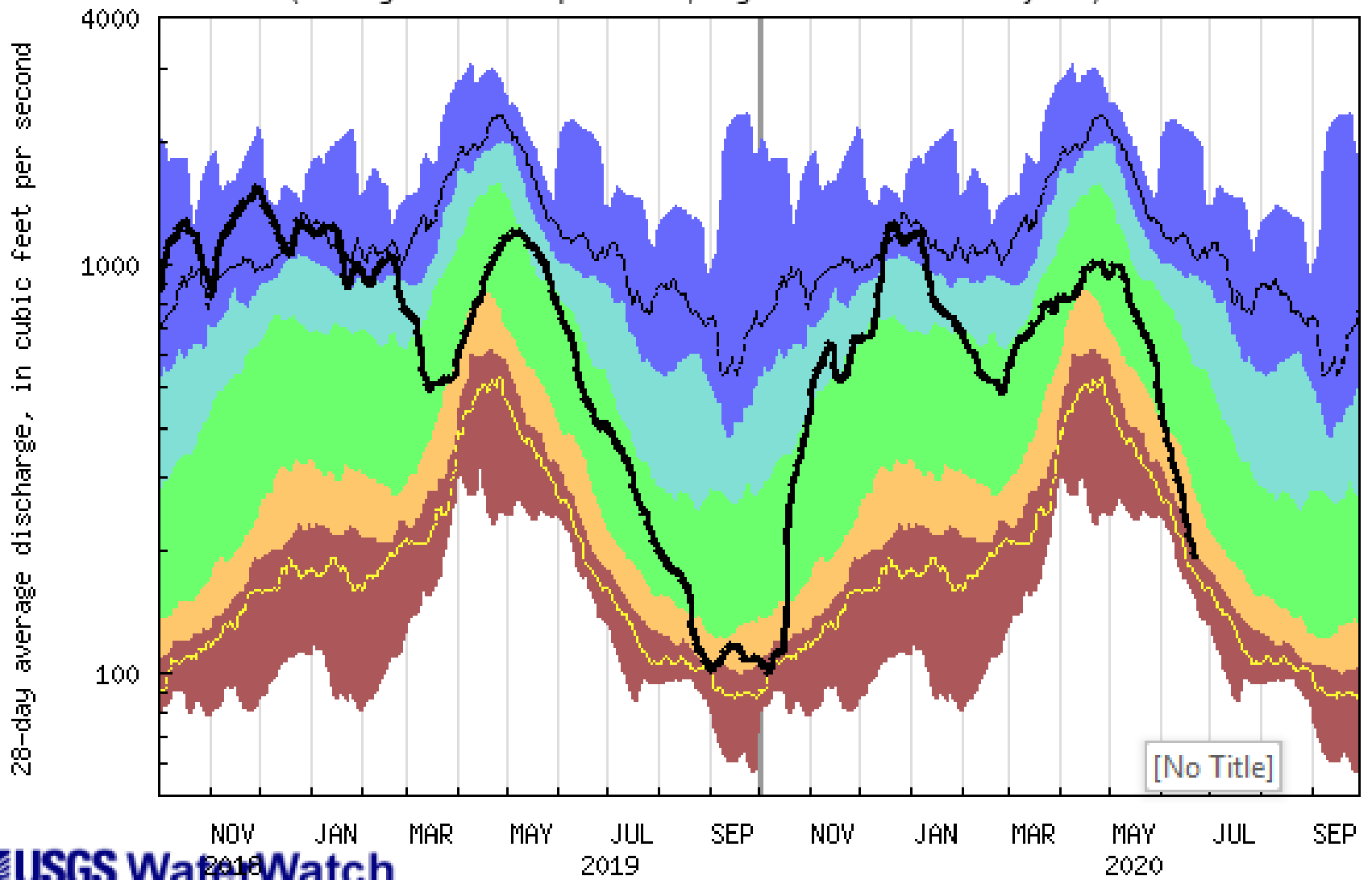


**USGS WaterWatch**

*Last updated: 2020-06-23*

lowest-5th percentile	6-9	10-24	25-75	76-90	91-94	95th percentile - highest	Flow
Severe hydrologic drought	Moderate hydrologic drought	Below normal	Normal	Above normal	Much above normal		

USGS 01197500 HOUSATONIC RIVER NEAR GREAT BARRINGTON, MA  
 (Drainage area: 282 square miles, length of record: 104 - 105 years)



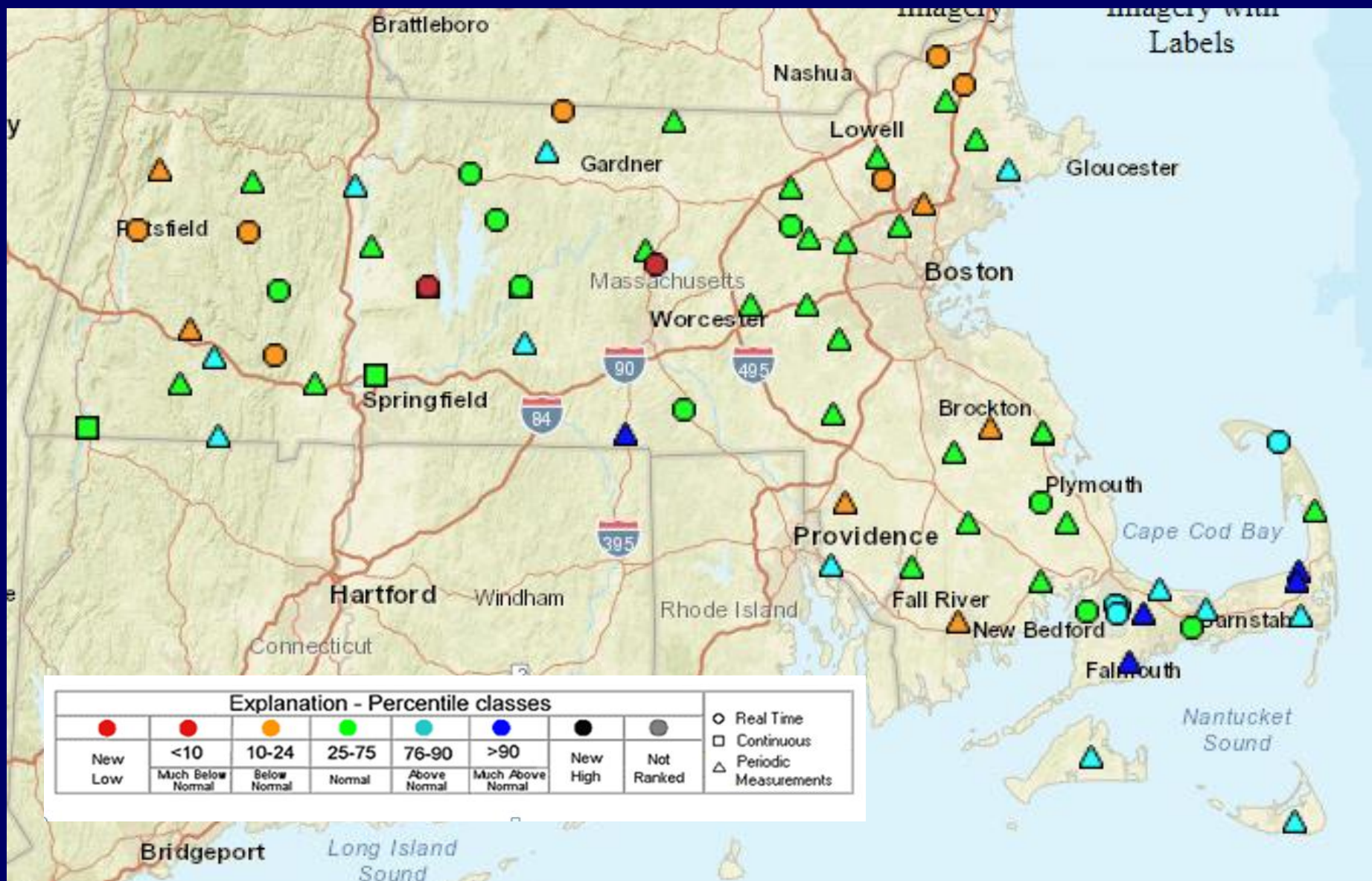
**USGS WaterWatch**

Last updated: 2020-06-23

lowest-5th percentile	6-9	10-24	25-75	76-90	91-94	95th percentile-highest	Flow
Severe hydrologic drought	Moderate hydrologic drought	Below normal	Normal	Above normal	Much above normal		



# GW Conditions late May and June 22, 2020





# Real-time GW Conditions – June 22, 2020



Labels

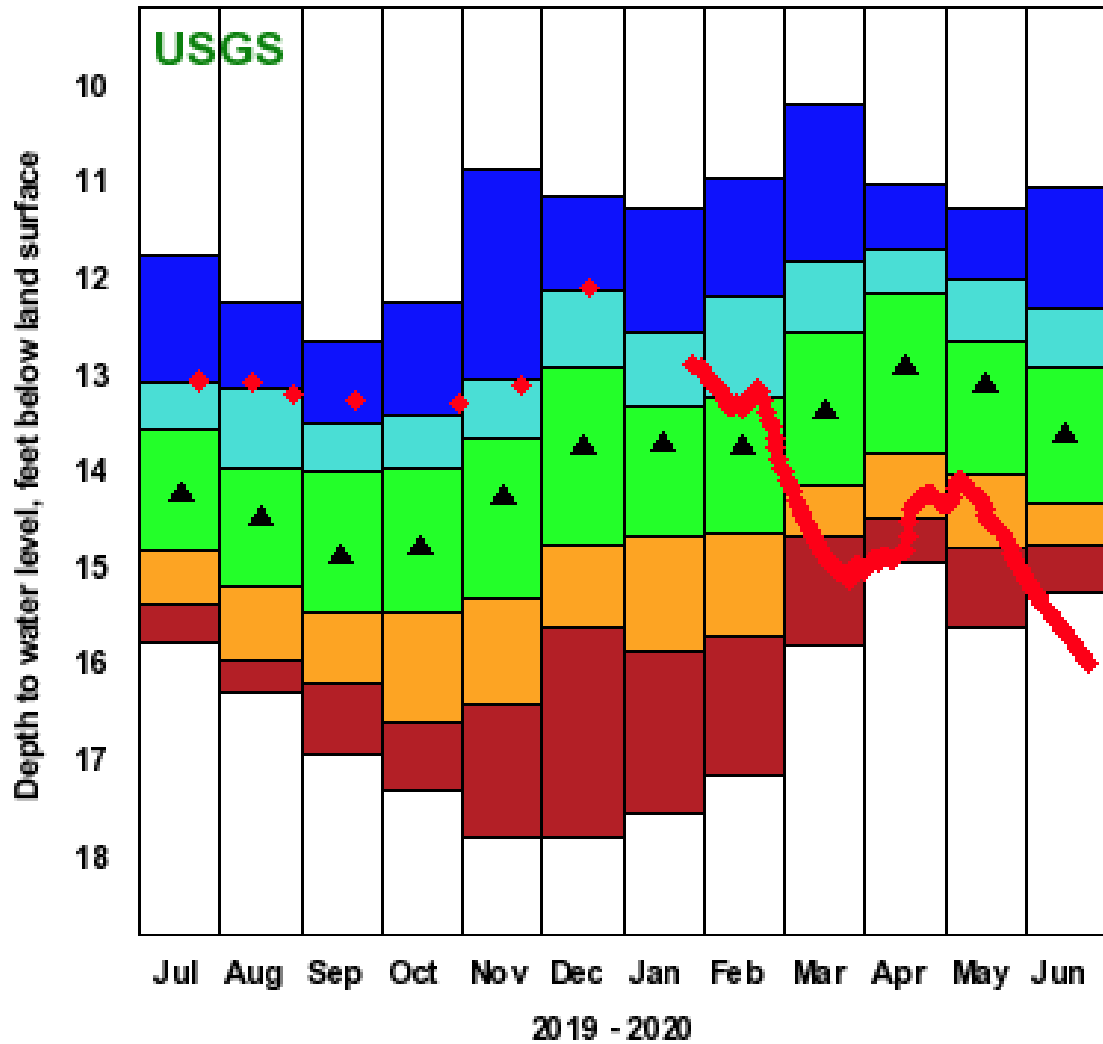
Explanation - Percentile classes							
●	●	●	●	●	●	●	●
New Low	<10	10-24	25-75	76-90	>90	New High	Not Ranked
	Much Below Normal	Below Normal	Normal	Above Normal	Much Above Normal		

○	Real Time
□	Continuous
△	Periodic Measurements



420313071514201 - MA-WLW 1R WEBSTER, MA

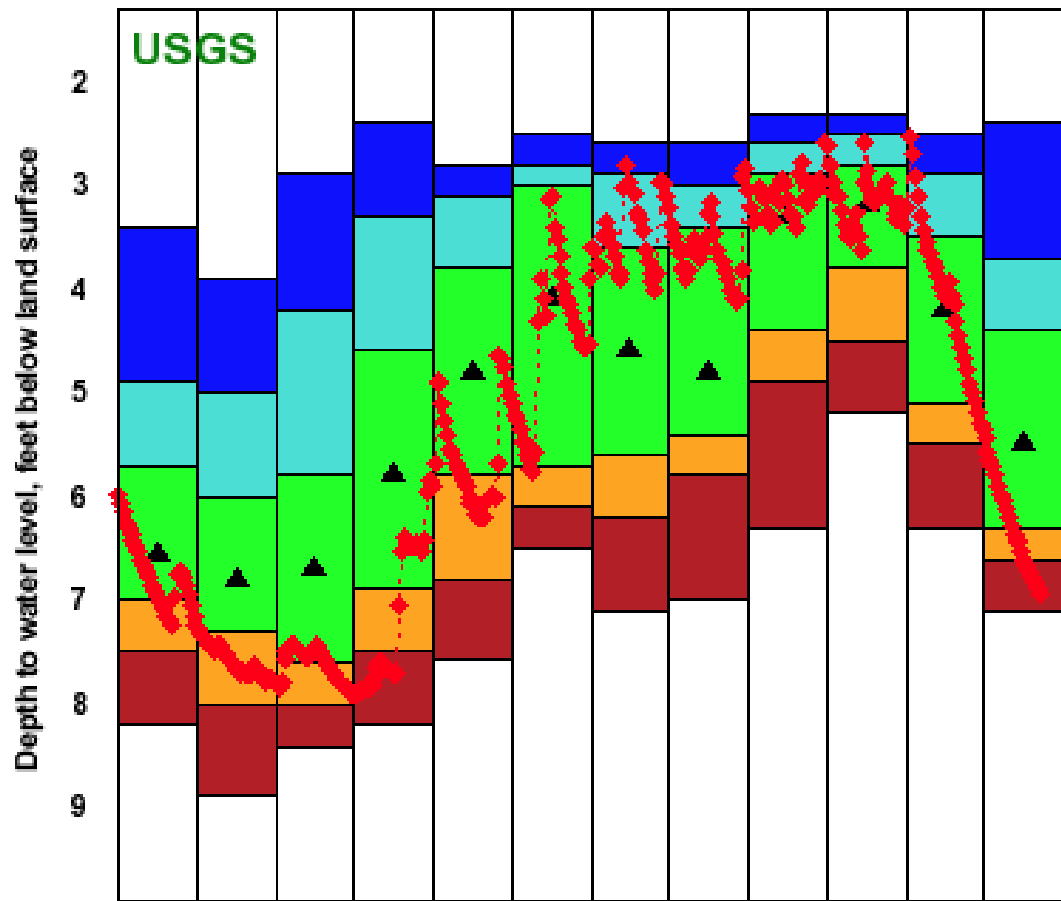


Pbt created 06/22/20 19:11

Explanation - Percentile Classes



420305072581401 - MA-GLW 6R GRANVILLE, MA



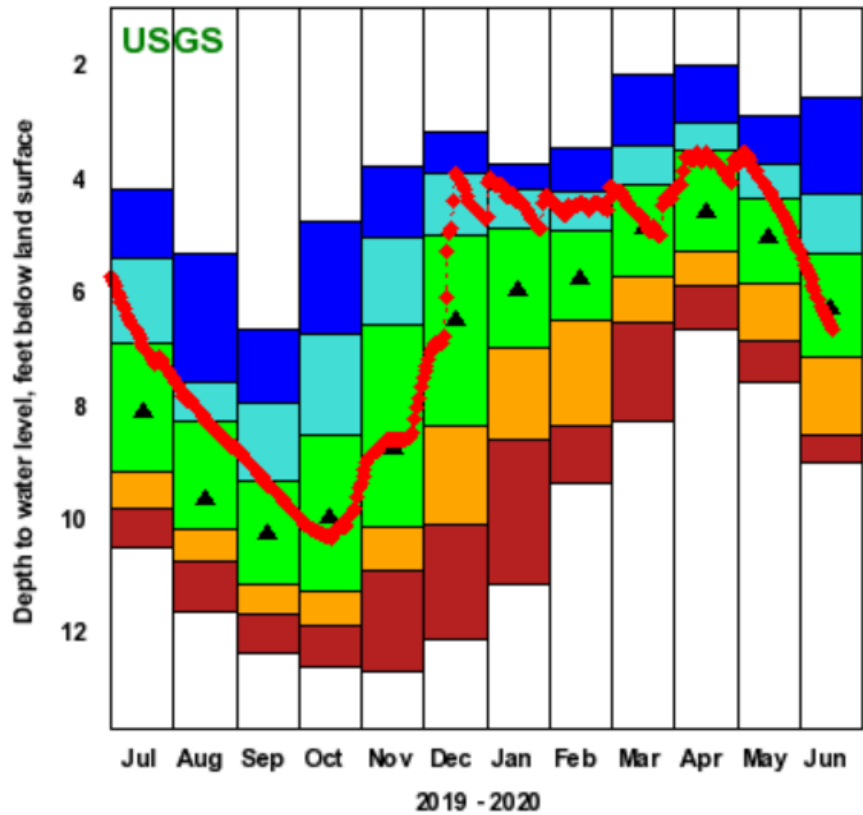
2019 - 2020

Plot created 06/22/20 19:11

Explanation - Percentile Classes

- ◆ Data Point
- <10
- 10-24
- 25-75
- 76-90
- >90
- ▲ Monthly Median

4245 20070562401 - MA-NIW 27 NEWBURY, MA



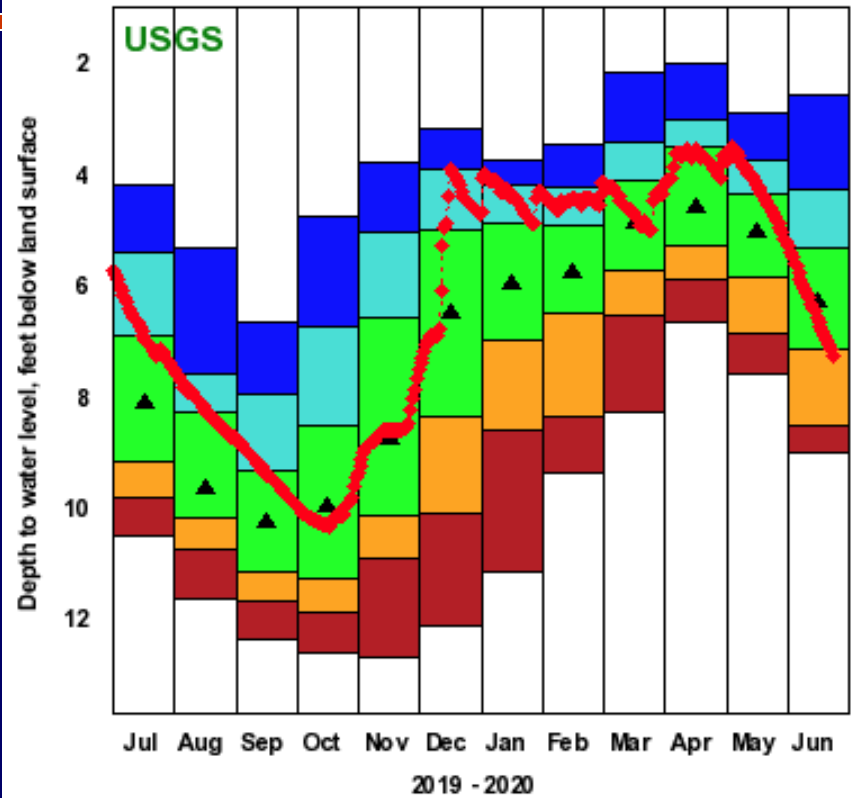
Explanation - Percentile Classes

◆ Data Point

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

▲ Monthly Median

4245 20070562401 - MA-NIW 27 NEWBURY, MA



Explanation - Percentile Classes

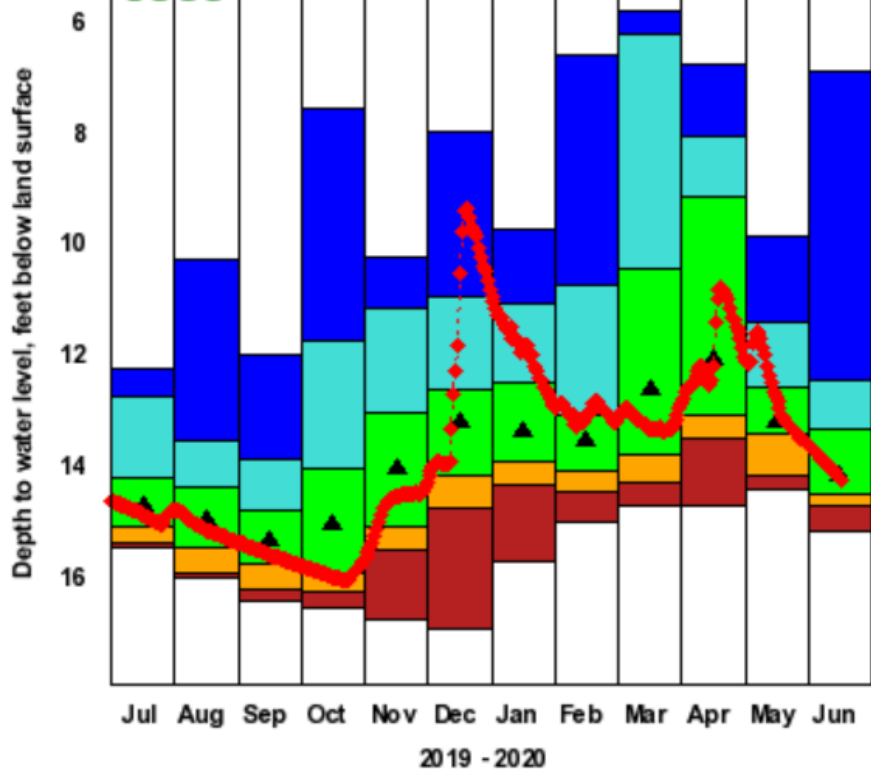
◆ Data Point

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

▲ Monthly Median

422906072124301 - MA-PHW 16 PETERSHAM, MA

Monthly statistics plot for 422906072124301

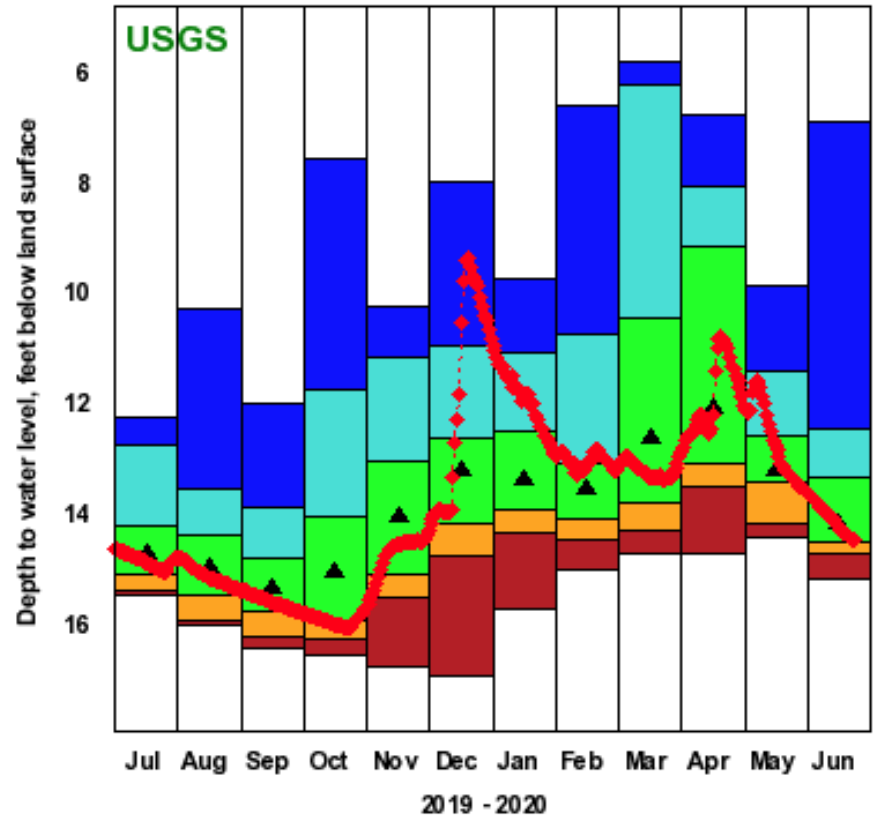


Plot created 06/15/20 19:27

Explanation - Percentile Classes



422906072124301 - MA-PHW 16 PETERSHAM, MA

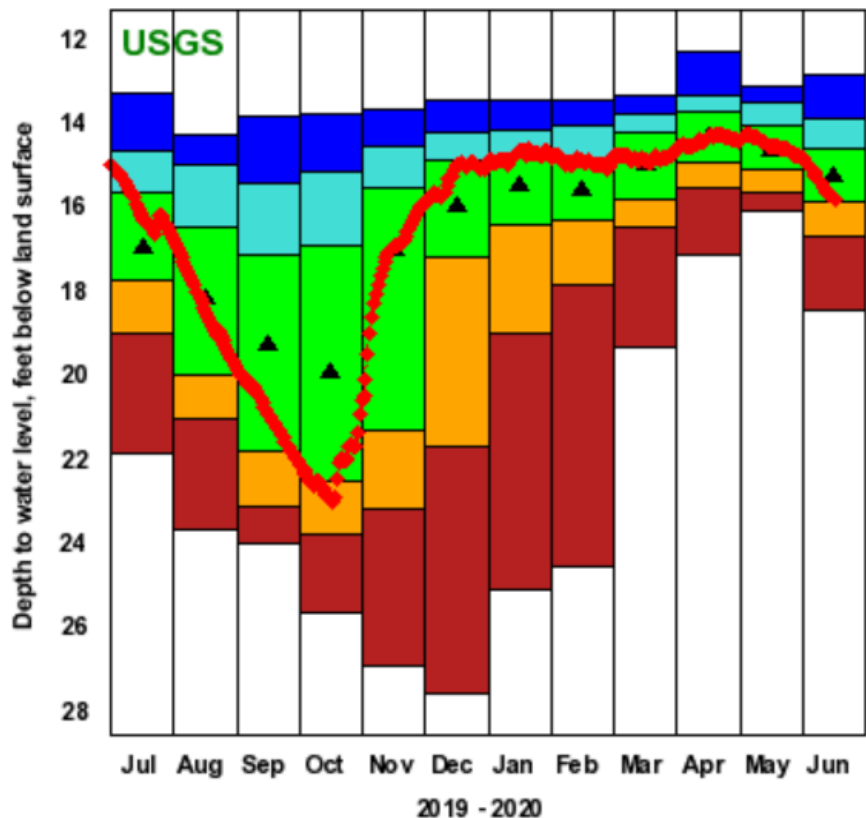


Plot created 06/22/20 19:11

Explanation - Percentile Classes



42274507 3112001 - MA-PTW 51 PITTSFIELD, MA



42274507 3112001 - MA-PTW 51 PITTSFIELD, MA

